



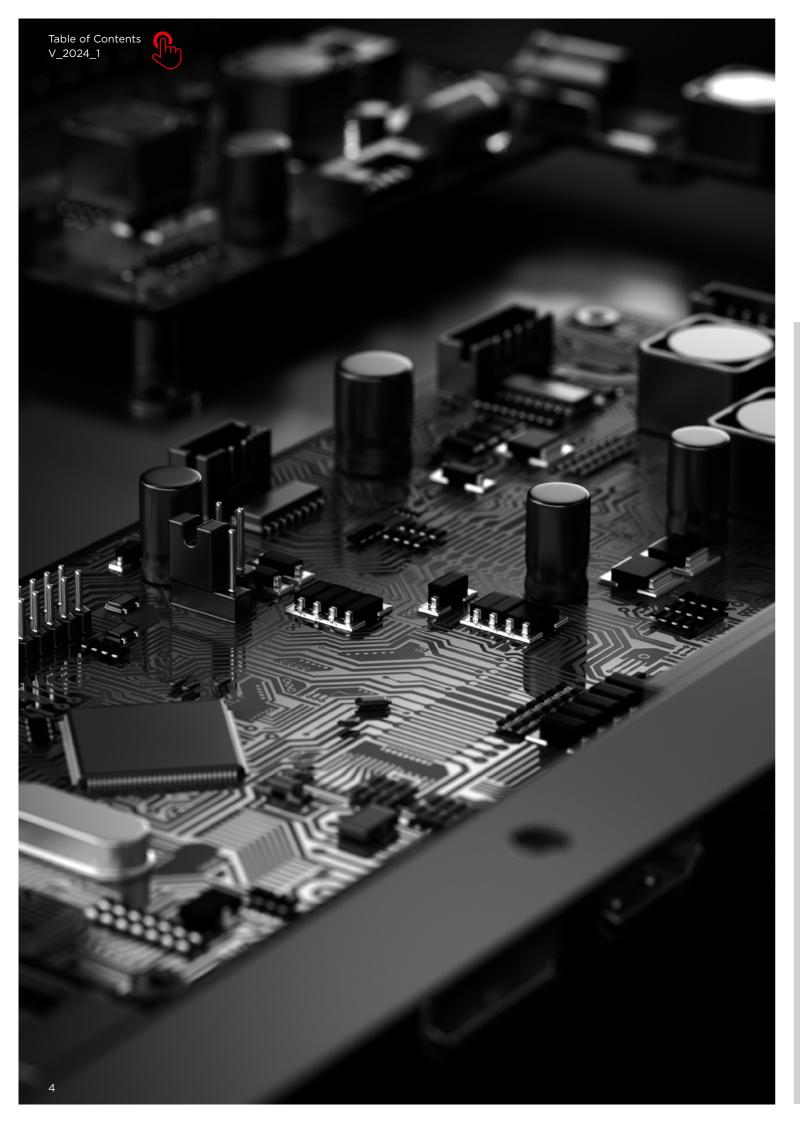
# THE MONITOR, THAT FITS.



— We are an Austrian company that designs, assembles and distributes premium open frame monitors in Upper Austria that can be supplied at short notice.

This enables us to combine know-how with innovation and consistent quality.

Take advantage of simple ordering processes, short delivery times, an on-site replacement service in the event of warranty claims and free demo installations. We will be happy to advise you individually and professionally.



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This table of contents and the overview pages of the monitors are interlinked.

Chapter navigation is also available at the top left, and clicking on MIKKA at the bottom right takes you back to this page.

# EXPERTISE & CREATIVITY, THAT FIT.

standards of others. Rather, I passionately pursue my own vision and always implement my creative ideas with the utmost precision."

\_\_ "I am not guided by the

# Individual customer solutions

MIKKA does more than just monitors. Exceeding customer expectations is the true goal.

For complex requirements, we achieve this goal with creative solutions, individually developed for the project..

### Qualified business partner

The MIKKA support team assists you with expertise and extensive experience.

From inquiry to delivery and after-sales, we support you in solving technical challenges.

# Valuable know-how

With years of experience and close collaboration with our partners, we are already familiar with many of the requirements of our customers.

This expertise is embedded in all MIKKA products and solutions.

### **Demo Devices**

A MIKKA monitor speaks for itself. See for yourself with a free demonstration.

Of course, we are happy to help you choose the right model for your project.

# Contact form

### Perfect Fit

MIKKA monitors adapt perfectly to all common constructions.

The four different design lines of MIKKA monitor enclosures guarantee a precise integration in various situations.

### Strong partner network

To ensure high quality, we collaborate with internationally renowned partners such as 3M Touch Systems UK Ltd and AU Optronics Corporation.

Only the best components are assembled into a MIKKA monitor.

### Innovative & Creative

Being innovative and finding creative solutions is what drives us.

Together with you, we will find a solution that meets your wishes and needs.

the first MIKKA monitor. Since then, in the design and functionality of our products, we have always kept one thing in mind: the focus on the customer who integrates the product.

I am deeply committed to listening to our customers because together, we create innovative solutions that go beyond conventional standards.

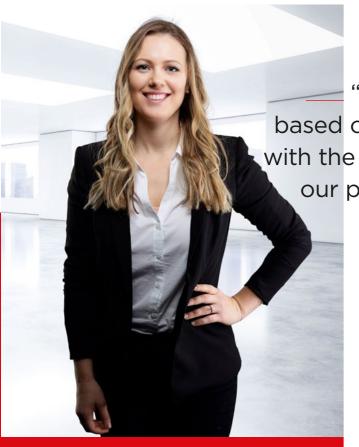
Exceeding these expectations is what inspires me.

Michael P. Matzner Founder and CEO of MIKKA GmbH





In 2013, motivated by my own needs, I developed



Many of our customers choose MIKKA because they can't find comparable products anywhere else.

Most of our customers stay with MIKKA because there is no more reliable partner in this field.

Once we are involved in a project, our team commits fully every day to ensure its success.

### Stefanie Matzner M.A.

Head of Marketing, HR, Accounting & Integrated Management System

"Our business relationships are based on trust and honesty. Together with the consistent premium quality of our products, this qualifies us as an absolutely reliable partner."

### Sustainable Quality Management

Want to ensure quality sustainably? MIKKA is certified not only to ISO 9001:2015 but also to ISO 14001:2018 and 50001:2018.

This confirms high quality in our internal processes and demonstrates our strong commitment to improving environmental and energy performance.

You are working with a company where processes and customer focus are successfully managed.

# Manufacturer from Austria

Each MIKKA monitor is carefully designed and assembled by our team in Ansfelden, Upper

The focus is on reliability and consistently high

### 3-year warranty

We believe in the quality of our open frame monitors: Our components are carefully selected and tested.

That's why we offer a three-year warranty with free replacement service.

### Post-Purchase Guarantee

Need replenishment for your big project?

We guarantee that you can still order the exact same MIKKA open frame monitor from us for 5 years.

# Short delivery times

RELIABILITY AND

SUSTAINABILITY,

THAT FITS.

With our warehouse in Upper Austria, we can promptly respond to your needs.

This allows us to handle even urgent orders with fast delivery times.

### Reliable partnership

We emphasize building long-term, trustworthy relationships.

Our sales team is pleased to meet you in person at your location throughout every stage of the project.

### Bring-In Service

If there are defects within the manufacturer's warranty period, your MIKKA monitor will be repaired or replaced as part of the Bring-In Service at our facility in Austria.

You will then receive the device back from us.

Request replacement.









# **MONITORS**



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# FEATURES, THAT FIT.

With a luminance of up to 1,500 cd/ m2, MIKKA High Bright Monitors excite even in extreme brightness, such as intense sunlight.

HIGH BRILLIANCE

### XVA VIEWING ANGLE

The extended viewing angle The colours and contrasts also remain stable and strong from

with 178° / 178° ensures a view angle-independent display. different perspectives.

Anti-glare/anti-reflective technology provides the best visibility, even in very bright environments or direct sunlight. It minimises glare effects from a wide range of angles and protects the eye even during prolonged use.

### ANTI-GLARE DISPLAY

BREAK-PROOF The break-proof ESG safety glass with a thickness of up to 4 mm protects your monitor even under intense stress. The exact adjustment of the glass pane also extends the service life of the monitor.

INTEGRATED MEDIA PLAYER

Easily view images or videos with the MIKKA Public Display: simply plug in a USB stick and the integrated media player will deliver your message directly to the display.

# TOUCH THROUGH GLASS

Some MIKKA monitors can even be operated behind a glass pane. The touchscreen sensor is tuned to the cover glass used by a special firmware.

# HIGH TOUCH PRECISION

Our capacitive touchscreens are highly accurate and offer excellent user comfort. Singletouch with one finger or Multitouch with up to 10 fingers.

# FEATURES, THAT FIT.

### TEMPERATURE-RESISTANT

Regardless of the application, MIKKA monitors work reliably. Depending on the model, at temperatures from -30°C to +80°C (outdoor line) and humidity between 20% and 90%.

### 24/7 CONTINUOUS OPERATION

MIKKA monitors are designed for 24/7 continuous operation, making them ideal for industrial environments.

### LOW NOISE

Every MIKKA monitor runs extremely quietly even in continuous operation, thus ensuring a quiet environment.

### FLUSH MOUNT

With four different design options, the MIKKA monitor fits perfectly into almost any existing design. Flush mounting has never been easier!

# VARIOUS CONNECTIONS

All MIKKA models (except Public Displays) come with HDMI port, display port, DVI port and VGA connection as standard.

# LOW HEAT GENERATION

The MIKKA monitor is usually part of a bigger picture. So during the planning phase, we made low heat generation a priority. This keeps its environment within the normal temperature range.

### SUSTAINABLE

Each MIKKA monitor is carefully built by our team in Austria for a long service life. If the function is limited one day, it can be repaired easily. Instead of disposable items, we design sustainable products.

# CUSTOM-BUILT SOLUTIONS

### INDIVIDUAL CONSTRUCTION

For your large-scale project, we will design your own customised MIKKA monitor.

# SPECIAL REQUIREMENTS?

Are you facing complex mounting conditions? We know that some cases require individual solutions.

We are happy to use our experience and expertise to develop the right monitor for your application.

Axess AG also faced a challenging situation. When building a ski ticket machine, a monitor had to fit into a predefined mounting frame: tight space and precise dimensions.

After an initial analysis and discussion, the individual challenges were clear. A 27-inch outdoor open frame monitor was needed. Precise touch functions and good recognition in sunlight from all angles were required.



# **SMART SOLUTIONS**

In addition to the desired equipment, the monitor had to be adapted to the mounting conditions. We designed a monitor to fit the individual dimensions of the installation frame and the prefabricated profiles.

This solution can now be securely bolted on. This significantly increases the service life of the monitor compared to the previous adhesive installation.

Within only 6 weeks, we developed the prototypes of the appropriate monitor in coordination with the customer and delivered them for testing at short notice.

After fine tuning and successful release, MIKKA sent the first shipment to the customer for series production only 11 weeks after the first meeting.

Together with our business partners, we create products that are innovative and tailored to meet specific needs like no other product on the market.

FOR INDIVIDUAL REQUESTS, PLEASE CONTACT US!







# SOFTWARE

Remotely check monitor settings? With innovative software solutions, a MIKKA monitor can do even more. For example, remotely control the OSD menu with MIKKA REMOTE.

This increases the service life and reduces electricity and maintenance costs!

# MIKKA REMOTE

Centralised remote control

MIKKA REMOTE helps you remotely control your monitor. Particularly if you support a large number of monitors in different locations, you will benefit from the centralised remote control.

Set all points from the OSD menu, such as contrast or brightness, conveniently from your central computer.

# Optimal adaptation

From our experience, we know that the brightness of a display panel, viewed over its entire useful life, is reduced.

You can counteract this by setting the monitor to a lower brightness at the beginning and adjusting it to your needs during use.

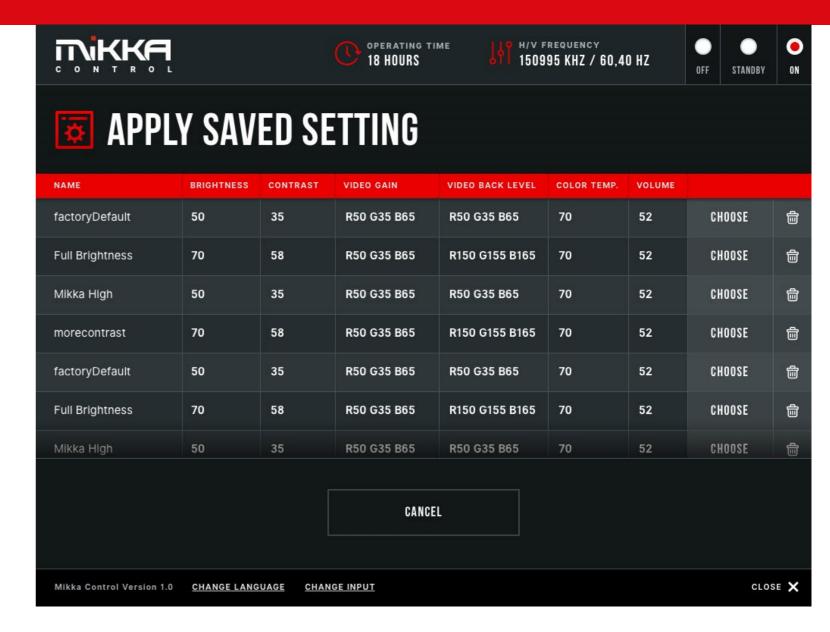
### Increase service life

With MIKKA REMOTE, you can significantly increase the service life of your screen. In addition, the brightness control allows you to adapt your monitor optimally to the environment.



# Reduction of ongoing electricity costs

If you operate your monitor 24/7 in a shop window, you can adjust the brightness of your device to suit the time of day and the season and thus significantly reduce the electricity costs.



# SOFTWARE

More power and protection for your monitor? MIKKA software solutions make this possible. MIKKA Only offers you unique third-party protection. And MIKKA Smart uses artificial intelligence (AI) to optimize the settings of the monitor and thus benefit both service life and power requirements.



# MIKKA ONLY

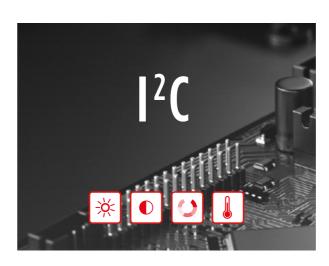
Third-party protection

For our customers who distribute a total package of hardware and software, we have developed MIKKA ONLY to ensure it remains connected as a whole.

You are familiar with this challenge and find your hardware too valuable to share? Bind it exclusively to a specific software with MIKKA ONLY via the monitor. As a result, you protect your hardware investment against use by third parties.

It works very simply for you: You implement an algorithm provided by us in your software. It exchanges a key with your MIKKA monitor and the monitor functions as usual. However, if a third-party software appears on it, the OSD menu will obscure parts of the screen.

Take advantage of this innovative solution from MIKKA: to protect your investment.



# MIKKA SMART

Artificial intelligence to automatically adapt and integrate into your desired environment.

MIKKA smart enables automatic control of temperature, brightness and many other settings via sensors (int-i2c connector) that are installed in the hardware. This enables an automatic display adapted to your preferences and needs without regular intervention.

In addition to guaranteeing a consistent appearance, automatic control also has commercial benefits such as lower power consumption and a longer service life of your monitor.

See for yourself! Request a demo from our support team: Contact form

# DESIGN LINES

How does the perfect installation work? With the right monitor. No matter how your housing is designed, a MIKKA monitor always adapts to the mounting conditions. The four different design concepts made of premium aluminium with VESA holes differ by the way they are integrated into your design.

### SELECTION OF THE DESIGN CONCEPT

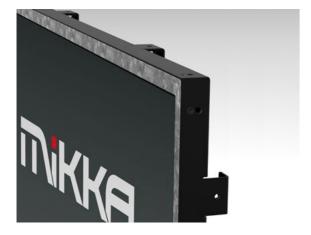
Together with our MIKKA team, you will find the design line that best adapts to your construction.

# **B-LINE**

The standard installation monitor

The focus of the B-Line is on a cost-effective installation solution. The models are used for display only and therefore do not require a touch function.

The connection between the monitor and the construction is not completely flush with this design concept. The monitor is slightly behind the housing after installation.

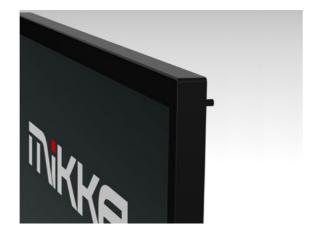


# L-LINE

The flexibly integrated monitor

L-Line monitors feature an elegant aluminium housing. When installed from the front, it stands out slightly from the installation design and remains visible. This creates an elegant frame for the display. The desktop version of this design concept can be easily mounted to the wall or set up with a desktop stand.

Monitors in this line can be supplied in different housing colours based on a larger order quantity.



# **S-LINE**

The flush-mounted monitor

The S-Line meets the highest requirements in terms of fit. It is particularly well suited to flush-mounted installation. Optionally, the monitors of the S-Line are assembled with touch or glass pane.

An All In One (PC included) or a Public Display (integrated media player) solution is also possible from 17" onwards.



# **O-LINE**

The weather-resistant monitor

Designed for outdoor areas, the O-Line offers outstanding outdoor performance. The advantages of the O-Line are not only the high temperature resistance from -30°C to + 80°C and the weather resistance (especially foiled against UV radiation, resistant to condensation). The particularly high values in terms of brightness and contrast are also fundamental.

After installation, a protective, elegant aluminium frame remains visible.



# MOUNTING TIPS

The mounting and installation of the monitors is generally carried out via bolt fitting, mounting bracket or VESA bracket. The design concept determines the type of mounting. Depending on the design, a construction cut-out or holes based on a template are then required.

We are here for you whenever you need us!



# TECHNICAL DRAWINGS We are happy to send you the technical drawings with all dimensions upon request.

# **B-LINE**

The standard installation monitor

Mounting brackets attach B-Line monitors from the rear to the housing. The edge is not flush with this design concept, but the monitor is still slightly behind the housing after installation.



# L-LINE

The monitor that's easy to integrate

The display panel and touchscreen (or optional glass pane) are installed together in the L-Line aluminium housing. The monitor is inserted from the front during mounting and is not quite flush. This means it can also be adapted to different sizes of housing cutouts. On the back, it offers enough room for securing. This makes it ideal for surface-mounted installations.



# **S-LINE**

The flush-mounted monitor

The S-Line can be installed from the rear or from the front, each using a mounting bracket or VESA hole. An accurate housing cutout is always necessary because the S-Line monitor is flush with the housing. The monitor together with the construction thus forms a continuous flat surface that is visually appealing.



The weather-resistant monitor

To ensure smooth use in outdoor areas, the O-Line Monitor is installed from the front. Mounting bolts on the back of the aluminium housing enable easy and secure attachment.





# **B-LINE** The standard installation monitor

Inch Size	17"		19" 1		19" wide		21.5"	
		Glass		Glass		Frame Lip		Glass
		Frame Lip		Frame Lip	-= <b>\</b>	Singletouch		Frame Lip
	-= <b>\</b>	Singletouch	-= <b>\</b>	Singletouch	The state of the s	Multitouch	= 1	Singletouch
		Public Display	178'	Xtended Viewing Angle			775	Xtended Viewing Angle
				Public Display				Public Display

# L-LINE The monitor that's easy to integrate

Inch Size	13.3"		15.6"	15.6"		17"		17.3"	
		Glass		Glass		Glass		Glass	
		Multitouch		Multitouch		Multitouch		Multitouch	
	178'	Xtended Viewing Angle	178'	Xtended Viewing Angle		Anti Glare	188	Xtended Viewing Angle	
		Anti Glare	* *	Anti Glare		Desktop Monitor	· 💠	Anti Glare	
		Desktop Monitor	1000	High Bright				Desktop Monitor	
				Desktop Monitor					

# **S-LINE** The flush-mounted monitor

Inch Size	13.3"		17"		19"		21.5"	
		Glass		Glass		Glass		Glass
	w w	Multitouch	<b>W</b>	Multitouch		Multitouch		Multitouch
	178	Xtended Viewing Angle	· •	Anti Glare	178	Xtended Viewing Angle	MM	Mirror
	*	Anti Glare		Public Display		Anti Glare	175	Xtended Viewing Angle
		Public Display				Public Display	· 🌣	Anti Glare
							1000	High Bright
								Public Display
							OIA	AIO

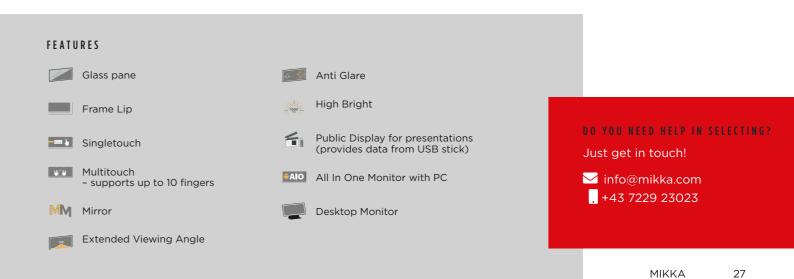
# **0-LINE** The Weather-Resistant Monitor

Inch Size	15.6"	
		Glass
	THE THE PERSON NAMED IN COLUMN 1	Multitouch
	178	Xtended Viewing Angle
		Anti Glare
	1000	High Bright

22"	23.8"	24"	27"	
Glass	Glass	Glass	Glass	
Frame Lip	Frame Lip	Frame Lip	Frame Lip	
Singletouch	Xtended Viewing Angle	Singletouch	Singletouch	
Public Display	Public Display	Xtended Viewing Angle	Xtended Viewing Ar	ngle
		Public Display	Public Display	

19"	21.5"	23.8"	24"
Glass	Glass	Glass	Glass
Multitouch	Multitouch	Multitouch	Multitouch
Xtended Viewing Angle	MM Mirror	MM Mirror	Xtended Viewing Angle
Anti Glare	Xtended Viewing Angle	Xtended Viewing Angle	Anti Glare
Desktop Monitor	Anti Glare	Anti Glare	Desktop Monitor
	High Bright	High Bright	
	Desktop Monitor	Desktop Monitor	

23.8"	27"	31.5"
Glass	Glass	Glass
Multitouch	Multitouch	Multitouch
M Mirror	Xtended Viewing Angle	Xtended Viewing Angle
Xtended Viewing Angle	Public Display	Anti Glare
Anti Glare	AIO AIO	High Bright
High Bright		AIO AIO
Public Display		
AIO AIO		



# FEATURES

The various features can be optionally selected according to the modular principle. This will enhance the monitor with the exact features you need for your mounting conditions.



OUR TIP

Analyse the mounting conditions in detail, as this determines the capabilities of the monitor!

# EXTENDED VIEWING ANGLE

XVA

The extended viewing angle provides an ideal presentation from any viewing angle and gives you very powerful and realistic colour reproduction. The viewing angle is extended to 178° horizontally and 178° vertically.

Changes in contrast and colour, as may be the case with traditional monitors, depending on the change in viewpoint, are a thing of the past.

# 178°

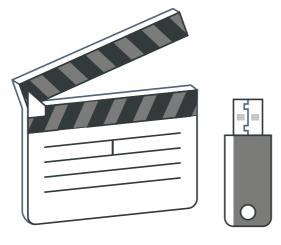
# PUBLIC DISPLAY

USB stick on - Action!

The MIKKA Public Display basically works like a digital picture frame.

You simply plug in a USB stick and the content you want will play. Whether it is a slideshow, presentation or movie, the built-in media player can play a wide range of content.

When the optional aluminium enclosure is ordered, the MIKKA Public Display becomes a stand-alone device.



# HIGH BRIGHT

Particularly bright up to 1500 nits

With up to 1000 cd/m2 (1000 nits), the High Bright monitors from our standard product range are particularly bright and ideal for bright indoor and outdoor areas.

This allows us to guarantee you an easy-toread display despite high ambient brightness and strong sunlight.

On request, we can provide light intensities of up to 1500 nits for you.

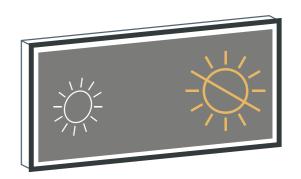
# **ANTI GLARE**

Anti Glare Surface

An anti-glare coating disperses the incident light in such a way that the glare is greatly reduced. An anti-glare screen ensures a smooth and comfortable viewing experience. Even in bright environments such as direct sunlight.

Anti-glare monitors can display content with better colour reproduction and a more natural look. They are suitable in high-traffic environments such as airports or train stations, as the display can be easily detected from a distance.





1000 nits MIKKA 29

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# FEATURES

Find the options that work for you and we'll tell you which monitor from our range meets your needs.



OUR TIP

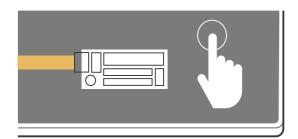
The product name indicates the respective equipment features!

# **SINGLETOUCH**

Simple touches for quick interaction

At MIKKA, we rely on capacitive touchscreens with very high response time. In the singletouch solution using surface capacitive touchscreens, electrodes are attached to the four corners of the monitor, which can detect a touch, e.g. by the finger, and thus recognise an input.

Even a slight touch is detected and immediately passed on as a data input. This technology is ideal for simple control inputs. Touchscreens are durable and less sensitive to scratches and heat.



# **MULTITOUCH**

Capacitive solutions with the highest precision

Our multitouch displays are realised in projected capacitive (PCT or PCAP) technology. Through two transparent electron layers applied in a pattern, multiple touches are detected and localised. You can enter complex finger gestures with up to 10 fingers, such as zooming or swiping.

Our monitors also allow the use of an additional glass pane for protection, such as against vandalism or extreme weather conditions. By coordinating the firmware (software of the touch controller) and the composition of the glass, a "touch through glass" application is secured.



# MIRROR TOUCH FUNCTION

Touchscreen behind mirror

A mirror can be added to the surface of your monitor. The additional touch function allows user input. It creates a digital, interactive mirror.

The display, mirror image and interaction blend together: modern applications now used for smart homes and museums can equally be implemented for businesses.

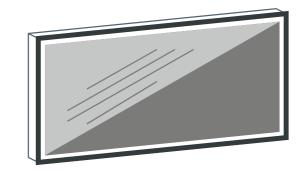
# GLASS

Safety glass for a long service life

Monitors with glass are particularly robust and shock-resistant. The ESG / VSG safety glass we use is precisely adapted to your monitor. It effectively protects your MIKKA monitor from scratches, dirt ingress and moisture.

This ensures the longevity of your monitor, even under intensive use.





# **FEATURES**

All features expand the capabilities of the monitor. They must also be properly balanced. Feel free to get our advice in finding the best combination for your application!



# OUR TIP Choose the specific features you really need. This reduces complexity and saves acquisition and maintenance costs!

# FRAME LIP

Perfect finish for the B-line models

The custom-fit frame lip, which is precisely aligned with your monitor, ensures an optimal finish.

The individually aligned lip not only offers an aesthetic overall appearance - it also serves as a permanent barrier against dust and dirt and meets high hygiene standards.

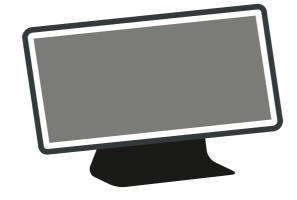
This guarantees a long service life for your monitor.

# **DESKTOP**

Desktop version of the L-Line models

MIKKA monitors are not only available as built-in devices, but also as a desktop variant. They are suitable as absolute high-end devices - for wall mounting or with the right desktop stand.

The design in a high-quality aluminium frame also offers a flexible choice of colours for your large-scale project. Choose a colour and tailor the monitor and desktop stand to your individual needs.



# AIO MONITOR

All In One solution with PC

With the All In One complete solution, you will enjoy the comfort of a space-saving PC installed directly inside the housing of your MIKKA monitor.

Choose between Odroid C4 or Raspberry board, the AIO runs completely independently with an Android operating system. This allows simple software applications to be run directly on the monitor, saving time and space.



### CURIOUS?

The equipment listed here has already proven itself in our standard range. It's in our nature to keep striving for perfection.

Therefore, feel free to enquire about other options if you haven't yet found the right equipment for your own project

### COMBINATIONS

All options for combining the equipment are listed in the standard range overview.

# NEED HELP?

Just get in touch!



# Editorial

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# HOW DO I FIND THE RIGHT MONITOR?

Best of all by talking to our team in person. Or by using this table with our product codes. This makes it easy for you to find the monitors with the desired features in the tables below.

# AIO 238 XMS C4

# **TYPE**

**MK** Monitor

**AIO** All In One Monitor with PC

# SIZE

**133 - 315** Size in inches

133 = 13.3"

156 = 15.6"

170 = 17"

173 = 17.3"

190 = 19"

190W = 19" Wide

215 = 21.5"

220 = 22"

238 = 23.8"

240 = 24"

270 = 27"

315 = 31.5"

# **FEATURES**

**X** Extended Viewing Angle

P Public Display

High Bright

Anti Glare

T Singletouch

**M** Multitouch

**M2** Mirror Multitouch

**G** Glass

**F** Frame Lip

D Desktop

B/L/S/O - Line

# AIO BOARD VARIANTS

**RB** Raspberry

C4 Odroid

# **B-LINE** The standard installation monitor

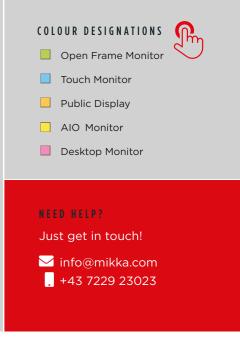
Inch Size	17"	19"	19" wide	21.5"	22"	23.8"	24"	27"
Resolution	SXGA 1280 x 1024	SXGA 1280 x 1024	SXGA 1280 x 1024	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080
Ratio	5:4	5:4	5:4	16:9	5:4	16:9	5:4	16:9
Art. No.	MK170	MK190X	MK190WM	MK215X	MK220	MK238X	MK240X	MK270X
	MK170F	MK190XF	MK190WMF	MK215XF	MK220F	MK238XF	MK240XF	MK270XF
	MK170G	MK190XG	MK190WT	MK215XG	MK220G	MK238XG	MK240XG	MK270XG
	MK170GF	MK190XGF	MK190WTF	MK215XGF	MK220GF	MK238XGF	MK240XGF	MK270XGF
	MK170T	MK190XT		MK215XT	MK220T	MK238XT	MK240XT	MK270XT
	MK170TF	MK190XTF		MK215XTF	MK220TF	MK238XTF	MK240XTF	MK270XTF
	MK170XHTF	MK190XP		MK215XP	MK220P	MK238XP	MK240XP	MK270XP
	MK170P	MK190XPG		MK215XPG	MK220PG	MK238XPG	MK240XPG	MK270XPG
	MK170PG	MK190XPF		MK215XPF	MK220PF	MK238XPF	MK240XPF	MK270XPF
	MK170PF	MK190XPGF		MK215XPGF	MK220PGF	MK238XPGF	MK240XPGF	MK270XPGF
	MK170PGF							



# **L-LINE** The monitor that's easy to integrate

Inch Size	13.3"	15.6"	17"	17.3"	19"	21.5"	23.8"	24"
Resolution	Full HD 1920 x 1080	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080	Full HD 1920 x 1080	WUXGA 1920 x 1200
Ratio	16:9	16:9	5:4	16:9	5:4	16:9	16:9	16:10
Art. No.	MK133XGL	MK156XGL	MK170GL	MK173XGL	MK190XGL	MK215XGL	MK238XGL	MK240XGL
	MK133XAGL	MK156XAGL	MK170AGL	MK173XAGL	MK190XAGL	MK215XAGL	MK238XAGL	MK240XAGL
	MK133XML	MK156XHGL	MK170ML	MK173XML	MK190XML	MK215XHGL	MK238XHGL	MK240XML
	MK133XAML	MK156XHAGL	MK170AML	MK173XAML	MK190XAML	MK215XHAGL	MK238XHAGL	MK240XAML
	MK133XGL-D	MK156XML	MK170GL-D	MK173XGL-D	MK190XGL-D	MK215XML	MK238XML	MK240XGL-D
	MK133XAGL-D	MK156XAML	MK170AGL-D	MK173XAGL-D	MK190XAGL-D	MK215XAML	MK238XAML	MK240XAGL-D
	MK133XML-D	MK156XHML	MK170ML-D	MK173XML-D	MK190XML-D	MK215XHML	MK238XHML	MK240XML-D
	MK133XAML-D	MK156XHAML	MK170AML-D	MK173XAML-D	MK190XAML-D	MK215XHAML	MK238XHAML	MK240XAML-D
		MK156XGL-D				MK215XGL-D	MK238XGL-D	
		MK156XAGL-D				MK215XAGL-D	MK238XAGL-D	
		MK156XHGL-D				MK215XHGL-D	MK238XHGL-D	
		MK156XHAGL-D				MK215XHAGL-D	MK238XHAGL-D	
		MK156XML-D				MK215XML-D	MK238XML-D	
		MK156XAML-D				MK215XAML-D	MK238XAML-D	
		MK156XHML-D				MK215XHML-D	MK238XHML-D	
		MK156XHAML-D				MK215XHAML-D	MK238XHAML-D	

# FEATURES X Extended Viewing Angle P Public Display H High Bright A Anti Glare T Singletouch M Multitouch M2 Mirror Multitouch G Glass F Frame Lip D Desktop



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# **S-LINE** The flush-mounted monitor

				,			
Inch Size	13.3"	17"	19"	21.5"	23.8"	27"	31.5"
Resolution	Full HD 1920 x 1080	SXGA 1280 x 1024	SXGA 1280 x 1024	Full HD 1920 x 1080			
Ratio	16:9	5:4	5:4	16:9	16:9	16:9	16:9
Art. No.	MK133XGS	MK170GS	MK190XGS	MK215XGS	MK238XGS	MK270XGS	MK315XGS
	MK133XAGS	MK170AGS	MK190XAGS	MK215XAGS	MK238XAGS	MK270XAGS	MK315XAGS
	MK133XMS	MK170MS	MK190XMS	MK215XHGS	MK238XHGS	MK270XMS	MK315XHGS
	MK133XAMS	MK170AMS	MK190XAMS	MK215XHAGS	MK238XHAGS	MK270XAMS	MK315XHAGS
	MK133XPGS	MK170PGS	MK190XPGS	MK215XMS	MK238XMS	MK270XPGS	MK315XMS
	MK133XPAGS	MK170PAGS	MK190XPAGS	MK215XAMS	MK238XAMS	MK270XPAGS	MK315XAMS
				MK215XHMS	MK238XHMS	AIO270XMS-C4-01	MK315XHMS
				MK215XHAMS	MK238XHAMS		MK315XHAMS
				MK215XHM2S	MK238XHM2S		MK315XPGS
				MK215XPGS	MK238XPGS		MK315XPAGS
				MK215XPAGS	MK238XPAGS		AIO315XMS-C4-01
				AIO215XGS-C4-01	AIO238XMS-C4-01		
				AIO215XMS-C4-01			
				AIO215XGS-RB-01			



# **0-LINE** The weather-resistant monitor

Inch Size	15.6"
Resolution	Full HD 1920 x 1080
Ratio	16:9
Art. No.	MK156XHAGO
	MK156XHAMO

# FEATURES COLOUR DESIGNATIONS Open Frame Monitor X Extended Viewing Angle Touch Monitor Public Display Public Display High Bright AIO Monitor Anti Glare Desktop Monitor Singletouch Multitouch M2 Mirror Multitouch NEED HELP? Glass Just get in touch! F Frame Lip ✓ info@mikka.com Desktop . +43 7229 23023



# OPEN FRAME MONITORS, THAT FIT.

How do you find the right open frame monitor? We understand your challenges because our monitors were created based on our own needs: designed and constructed with the idea of being easy and perfect for any mounting conditions.

As numerous as our customers are, so are the areas of application. Each installation situation is unique. MIKKA's response: a modular product design with four different design concepts and numerous optional features. This makes a standard product that is quickly available and suits most of our customers.

Together we can find the right monitor for you or gladly advise you on individual solutions.

# OPEN FRAME MONITORS



# **FEATURES**



24/7 Continuous Operation



Temperature-Resistant



Low Heat Generation



Low Noise



Break-Proof



Flush Mount



High Brilliance



3 Years Warranty



Repairable



Anti-Glare Display



Various Connections



Follow-Up Purchase Guarantee

# ELEGANT DESIGN AND EASY INTEGRATION, THAT FITS.

How does the monitor look visually?

In addition to easy installation, design plays a crucial role.

Ideally, the open frame monitor integrates seamlessly into its installation environment. We have developed various design lines that differ in the type of integration and the front edge finish of the monitors.

Whether installed from the front or rear, flushmounted or with a protective overhanging frame, our standard open frame monitors integrate effortlessly and perfectly into any setup.

For specialized applications with specific requirements, we are pleased to customize one of our standard products to fit your needs or create a build-to-order product tailored exactly to your preferences.

# **B-LINE** The standard installation monitor

Inch Size	17"	19"	21.5"	22"	23.8"	24"	27"
Resolution	SXGA 1280 x 1024	SXGA 1280 x 1024	Full HD 1920 x 1080	WSXGA+ 1650 x 1050	Full HD 1920 x 1080	WUXGA 1920 x 1200	Full HD 1920 x 1080
Ratio	5:4	5:4	16:9	16:10	16:9	16:10	16:9
Art. No.	MK170	MK190X	MK215X	MK220	MK238X	MK240X	MK270X
	MK170F	MK190XF	MK215XF	MK220F	MK238XF	MK240XF	MK270XF
	MK170G	MK190XG	MK215XG	MK220G	MK238XG	MK240XG	MK270XG
	MK170GF	MK190XGF	MK215XGF	MK220GF	MK238XGF	MK240XGF	MK270XGF



# **L-LINE** The monitor that's easy to integrate

Inch Size	13.3"	15.6"	17"	17.3"	19"	21.5"	23.8"	24"
Resolution	Full HD 1920 x 1080	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080	Full HD 1920 x 1080	1920 x 1200 (WUXGA)
Ratio	16:9	16:9	5:4	16:9	5:4	16:9	16:9	16:10
Art. No.	MK133XGL	MK156XGL	MK170GL	MK173XGL	MK190XGL	MK215XGL	MK238XGL	MK240XGL
	MK133XAGL	MK156XAGL	MK170AGL	MK173XAGL	MK190XAGL	MK215XAGL	MK238XAGL	MK240XAGL
		MK156XHGL				MK215XHGL	MK238XHGL	
		MK156XHAGL				MK215XHAGL	MK238XHAGL	

# **S-LINE** The Flush-Mounted Monitor

Inch Size	13.3"	17"	19"	21.5"	23.8"	27"	31.5"
Resolution	Full HD 1920 x 1080	SXGA 1280 x 1024	SXGA 1280 x 1024	Full HD 1920 x 1080			
Ratio	16:9	5:4	5:4	16:9	16:9	16:9	16:9
Art. No.	MK133XGS	MK170GS	MK190XGS	MK215XGS	MK238XGS	MK270XGS	MK315XGS
	MK133XAGS	MK170AGS	MK190XAGS	MK215XAGS	MK238XAGS	MK270XAGS	MK315XAGS
				MK215XHGS	MK238XHGS		MK315XHGS
				MK215XHAGS	MK238XHAGS		MK315XHAGS

# **0-LINE** The Weather-Resistant Monitor

Inch Size	15.6"		
Resolution	Full HD 1920 x 1080		
Ratio	16:9		
Art. No.	MK156XHAGO		

# COLOUR DESIGNATIONS FEATURES Open Frame Monitor X Extended Viewing Angle Touch Monitor Public Display Public Display High Bright AIO Monitor Anti Glare Desktop Monitor Singletouch Multitouch M2 Mirror Multitouch NEED HELP? Just get in touch! Frame Lip ✓ info@mikka.com Desktop . +43 7229 23023









MIKKA MK170

MIKKA MK170F

MIKKA MK170G

MIKKA MK170GF

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





# 3-YEAR WARRANTY

Type:	17"	17" Frame Lip	17" Glass	17" Glass, Frame Lip
Resolution:	1280 x 1024 (SXGA) 5:4			
Pixel distance:	0.264 (H) x 0.264 (V) mm			
Screen diagonal - area:	43.3 cm / (W x H): 337.92 x 27	0.34 mm		
Max. colour performance:	16.7 million			
Viewing angle:	H, V (CR ≥ 10): 178° / 178°			
Contrast (static):	1000:1			
Brightness:	250 cd/m2			
Response time:	5 ms			
Power supply:	12V DC (optional 24V) / extern	al power adapter		
Power consumption:	< 15W			
Operating environment:	±0 - +50 °C ; 20 - 90% humidit	у		
Storage:	-20 - +60°C ; 10 - 90% humidit	у		
Dimensions and weight:	361.0 x 299.0 x 45.0 mm; 2.2 kg	361.0 x 299.0 x 47.5 mm; 2.3 kg	361.0 x 299.0 x 45.0 mm; 3.1 kg	361.0 x 299.0 x 47.5 mm; 3.2 kg
INTERFACES				

Inputs/outputs:
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# FEATURES

DISPLAY PROPERTIES

Operating controls	On/Off switch, 4	On/Off switch, 4 button OSD, Auto button				
Functions:	· -	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source				
PRICE IN €	210	225	225	240		









MIKKA MK190X

MIKKA MK190XF

MIKKA MK190XG

MIKKA MK190XGF

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





# DISPLAY PROPERTIES

Type:	19"	19" Frame Lip	19" Glass	19" Glass, Frame Lip			
Resolution:	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4					
Pixel distance:	0.0976 (H) x 0.2928 (V) mm	0.0976 (H) x 0.2928 (V) mm					
Screen diagonal/ - area:	48 cm / (W x H): 374.8 x 299.8	3 mm					
Max. Colour depth:	16.7 million						
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	1000:1						
Brightness:	250 cd/m2						
Response time:	14 ms						
Power supply:	12V DC (optional 24V) / extern	nal power adapter					
Power consumption:	< 17W						
Operating environment:	±0 - +50°C ; 20 - 90% humidit	у					
Storage:	-20 - +60°C ; 10 - 90% humidit	у					
Dimensions and weight:	398.5 x 326.5 x 45.0 mm; 2.6 kg	398.5 x 326.5 x 47.5 mm; 2.7 kg	398.5 x 326.5 x 45.0 mm; 3.6 kg	398.5 x 326.5 x 47.5 mm; 3.7 kg			

# INTERFACES

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# FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button					
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source					
PRICE IN € 220 235 235 250						









MIKKA MK215X

MIKKA MK215XF

MIKKA MK215XG

MIKKA MK215XGF

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





# DISPLAY PROPERTIES

Pixel distance: 0.24  Screen diagonal/ - area: 54.4  Max. Colour depth: 16.7  Viewing angle: H, \( \)  Contrast (static): 300	.6 cm / (W x H): 476.1 x 267.8 mm	1					
Screen diagonal/ - area: 54.0  Max. Colour depth: 16.7  Viewing angle: H, \ Contrast (static): 300	.6 cm / (W x H): 476.1 x 267.8 mm	1					
Max. Colour depth: 16.7  Viewing angle: H, \ Contrast (static): 300		1	0.24795 (H) x 0.24795 (V) mm				
Viewing angle: H, \ Contrast (static): 300	7 million						
Contrast (static): 300	16.7 million						
	H, V (CR ≥ 10): 178° / 178°						
Brightness: 250	3000:1						
	0 cd/m2						
Response time: 8 m	ms						
Power supply: 12V	/ DC (optional 24V) / external po	wer adapter					
Power consumption: < 2	< 21W						
Operating environment: ±0	±0 - +50°C ; 20 - 90% humidity						
Storage: -20	-20 - +60°C ; 10 - 90% humidity						
Dimensions and weight: 498 4.3	· ·	468.9 x 294.5 x 47.0 mm; 4.4 kg	498.1 x 294.7 x 44.5 mm; 5.4 kg	468.9 x 294.5 x 47.0 mm; 5.5 kg			

# INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out	
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# FEATURES

Operating controls:	On/Off switch, 4 bu	tton OSD, Auto button		
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source			
PRICE IN €	240	255	255	270









MIKKA MK220

MIKKA MK220F

MIKKA MK220G

MIKKA MK220GF

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





# DISPLAY PROPERTIES

Туре:	22"	22" Frame Lip	22" Glass	22" Glass, Frame Lip
Resolution:	1680 x 1050 (WSXGA+) 16:10			
Pixel distance:	0.282 (H) x 0.282 (V) mm			
Screen diagonal/ - area:	55.9 cm / (W x H): 473.8 x 296.1	mm		
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 5): 178° / 170°			
Contrast (static):	1000:1			
Brightness:	250 cd/m2			
Response time:	4 ms			
Power supply:	12V DC (optional 24V) / external power adapter			
Power consumption:	< 21W			
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	496.2 x 322.6 x 45.0 mm; 4.4 kg	496.2 x 322.6 x 47.5 mm; 4.5 kg	496.2 x 322.6 x 45.0 mm; 5.6 kg	496.2 x 322.6 x 47.5 mm; 5.7 kg

# INTERFACES

Inputs/outputs: VGA / DVI / HDMI / DP / Audio out
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# FEATURES

Operating controls:	On/Off switch, 4 k	outton OSD, Auto button		
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source			mperatures, colour weighting,
PRICE IN €	250	265	265	280









MIKKA MK238X

MIKKA MK238XF

MIKKA MK238XG

MIKKA MK238XGF

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





# DISPLAY PROPERTIES

Туре:	23.8"	23.8" Frame Lip	23.8" Glass	23.8" Glass, Frame Lip
Resolution:	1920 x 1080 (FullHD) 16:9			
Pixel distance:	0.2745 (H) x 0.2745 (V) mm			
Screen diagonal/ - area:	60.4 cm / (W x H): 527.0 x 296.5	5 mm		
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 10): 178° / 178°			
Contrast (static):	1000:1	1000:1		
Brightness:	250 cd/m2			
Response time:	14 ms			
Power supply:	12V DC (optional 24V) / external power adapter			
Power consumption:	< 24W			
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	547.5 x 324.9 x 45.0 mm; 4.7 kg	547.5 x 324.9 x 47.5 mm; 4.8 kg	547.5 x 324.9 x 45.0 mm; 5.9 kg	547.5 x 324.9 x 47.5 mm; 6.0 kg

# INTERFACES

Inputs/outputs:
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# FEATURES

Operating controls:	On/Off switch, 4	button OSD, Auto button		
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source			
PRICE IN €	270	285	285	300









MIKKA MK240X

MIKKA MK240XF

MIKKA MK240XG

MIKKA MK240XGF

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





# DISPLAY PROPERTIES

Туре:	24"	24" Frame Lip	24" Glass	24" Glass, Frame Lip
Resolution:	1920 x 1200 (WUXGA) 16:10			
Pixel distance:	0.270 (H) x 0.270 (V) mm			
Screen diagonal/ - area:	61.13 cm / (W x H): 518.4 x 324.0	mm		
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 10): 178° / 178°			
Contrast (static):	1000:1			
Brightness:	300 cd/m2			
Response time:	14 ms			
Power supply:	12V DC (optional 24V) / external	power adapter		
Power consumption:	< 22W			
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	548.9 x 354.5 x 45.0 mm; 4.7 kg	548.9 x 354.5 x 47.5 mm; 4.8 kg	548.9 x 354.5 x 45.0 mm; 6.0 kg	548.9 x 354.5 x 47.5 mm; 6.1 kg

# INTERFACES

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# FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source

PRICE IN € 360 375 390









MIKKA MK270X

MIKKA MK270XF

MIKKA MK270XG

MIKKA MK270XGF

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Type:	27"	27" Frame Lip	27" Glass	27" Glass, Frame Lip					
Resolution:	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9							
Pixel distance:	0.311 (H) x 0.311 (V) mm	0.311 (H) x 0.311 (V) mm							
Screen diagonal/ - area:	68.6 cm / (W x H): 597.6 x 336	8.6 cm / (W x H): 597.6 x 336.2 mm							
Max. Colour depth:	16.7 million	5.7 million							
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°							
Contrast (static):	3000:1	3000:1							
Brightness:	300 cd/m2								
Response time:	12 ms								
Power supply:	12V DC (optional 24V) / extern	nal power adapter							
Power consumption:	< 32W								
Operating environment:	±0 - +50°C ; 20 - 90% humidit	у							
Storage:	-20 - +60°C ; 10 - 90% humidit	-20 - +60°C ; 10 - 90% humidity							
Dimensions and weight:	632.5 x 370.7 x 44.5 mm; 5.7 kg	632.5 x 370.7 x 47.0 mm; 5.8 kg	632.5 x 370.7 x 44.5 mm; 7.2 kg	632.5 x 370.7 x 47.0 mm; 7.3 kg					
			· · · · · · · · · · · · · · · · · · ·						

# INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out			
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# FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button					
Functions:		Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source				
PRICE IN €	370	385	385	400		













MIKKA MK133XGL

MIKKA MK133XAGL

MIKKA MK156XGL

MIKKA MK156XAGL

MIKKA MK156XHGL

MIKKA MK156XHAGL

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





# DISPLAY PROPERTIES

Туре:	13.3" Glass	13.3" Anti Glare, Glass	15.6" Glass	15.6" Anti Glare, Glass	15.6" High Bright, Glass	15.6" High Bright, Anti Glare, Glass
Resolution:	1920 x 1080 (FullHD) 16:9					
Pixel distance:	0.1529 (H) x 0.1529 (V) mm	0.1529 (H) x 0.1529 (V) mm	0.17925 (H) x 0.17925 (V) mm	0.17925 (H) x 0.17925 (V) mm	0.17925 (H) x 0.17925 (V) mm	0.17925 (H) x 0.17925 (V) mm
Screen diagonal/ - area:	33.7 cm / (W x H): 293.76 x 165.24 mm	33.7 cm / (W x H): 293.76 x 165.24 mm	39.5 cm / (W x H): 344.16 x 193.59 mm	39.5 cm / (W x H): 344.16 x 193.59 mm	39.5 cm / (W x H): 344.16 x 193.59 mm	39.5 cm / (W x H): 344.16 x 193.59 mm
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	700:1	700:1	800:1	800:1	1000:1	1000:1
Brightness:	350 cd/m2	350 cd/m2	300 cd/m2	300 cd/m2	1000 cd/m2	1000 cd/m2
Response time:	11 ms	11 ms	14 ms	14 ms	25 ms	25 ms
Power supply:	12V DC (optional 24V) / external	power adapter				
Power consumption:	< 12W	< 12W	< 8W	< 8W	< 23W	< 23W
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	326.2 x 209.9 x 29.15 mm; 1.0 kg	326.2 x 209.9 x 29.15 mm; 1.0 kg	374 x 236 x 29.2 mm; 1.25 kg	374 x 236 x 29.2 mm; 1.25 kg	374 x 236 x 32.95 mm; 1.45 kg	374 x 236 x 32.95 mm; 1.45 kg

### INTERFACES

# FEATURES

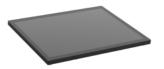
Operating controls:	On/Off switch, 4 k	On/Off switch, 4 button OSD, Auto button					
Functions:	Contrast, brightne	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval)					
PRICE IN €	335	375	345	385	565	605	













MIKKA MK170GL

MIKKA MK170AGL

MIKKA MK173XGL

MIKKA MK173XAGL

MIKKA MK190XGL

MIKKA MK190XAGL

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





# DISPLAY PROPERTIES

Type:	17" Glass	17" Anti Glare Glass	17.3" Glass	17.3" Anti Glare Glass	19" Glass	19" Anti Glare Glass
Resolution:	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4
Pixel distance:	0.264 (H) x 0.264 (V) mm	0.264 (H) x 0.264 (V) mm	0.1989 (H) x 0.1989 (V) mm	0.1989 (H) x 0.1989 (V) mm	0.0976 (H) x 0.2928 (V) mm	0.0976 (H) x 0.2928 (V) mm
Screen diagonal/ - area:	43.3 cm / (W x H): 337.92 x 270.34 mm	43.3 cm / (W x H): 337.92 x 270.34 mm	43.8 cm / (W x H): 381.89 x 214.81 mm	43.8 cm / (W x H): 381.89 x 214.81 mm	48 cm / (W x H): 374.8 x 299.8 mm	48 cm / (W x H): 374.8 x 299.8 mm
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 5): 178° / 170°	H, V (CR ≥ 5): 178° / 170°	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°
Contrast (static):	1000:1	1000:1	700:1	700:1	1000:1	1000:1
Brightness:	250 cd/m2	250 cd/m2	300 cd/m2	300 cd/m2	250 cd/m2	250 cd/m2
Response time:	5 ms	5 ms	11 ms	11 ms	14 ms	14 ms
Power supply:	12V DC (optional 24V) / external power adapter	12V / 24V DC / external power adapter	12V / 24V DC / external power adapter			
Power consumption:	< 15W	< 15W	< 12W	< 12W	< 17W	< 17W
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	366.33 x 307.36 x 37.1 mm; 3.1 kg	366.33 x 307.36 x 37.1 mm; 3.1 kg	415 x 262 x 29.55 mm; 1.75 kg	415 x 262 x 29.55 mm; 1.75 kg	405.24 x 339.78 x 36.4 mm; 3.8 kg	405.24 x 339.78 x 36.4 mm; 3.8 kg

# INTERFACES

In a cake /a cake cake	VGA / DVI /	LIDMI / DD	/ Aal: a ab
Inputs/outputs:	VGA / DVI /	DUMI / DP	/ Audio out

# FEATURES

Operating controls:	On/Off switch, 4 be	On/Off switch, 4 button OSD, Auto button					
Functions:	Contrast, brightnes	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval)					
PRICE IN €	325	365	355	395	345	385	









MIKKA MK215XGL

MIKKA MK215XAGL

MIKKA MK215XHGL

MIKKA MK215XHAGL

21.5" High Bright, Anti Glare,

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Туре:	21.5" Glass	21.5" Anti Glare Glass 21.5" High Bright, Glass		21.5" High Bright, Anti Glare, Glass			
Resolution:	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9					
Pixel distance:	0.24795 (H) x 0.24795 (V) mm	0.24795 (H) x 0.24795 (V) mm					
Screen diagonal/ - area:	54.6 cm / (W x H): 476.1 x 267.8 r	54.6 cm / (W x H): 476.1 x 267.8 mm					
Max. Colour depth:	16.7 million						
Viewing angle:	H, V (CR ≥ 10): 178° / 178°						
Contrast (static):	3000:1						
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2			
Response time:	8 ms	8 ms	14 ms	14 ms			
Power supply:	12V DC (optional 24V) / external	power adapter					
Power consumption:	< 21W	< 21W	< 46W	< 46W			
Operating environment:	±0 - +50°C ; 20 - 90% humidity						
Storage:	-20 - +60°C ; 10 - 90% humidity						
Dimensions and weight:	506.46 x 303.06 x 38.1 mm; 4.3 k	9					

# INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out	
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# FEATURES

Operating controls:	On/Off switch, 4 b	On/Off switch, 4 button OSD, Auto button				
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval)					
PRICE IN €	395	435	545	585		

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# **PRODUCTFEATURES**









23.8" High Bright, Anti Glare,

MIKKA MK238XGL

MIKKA MK238XAGL

MIKKA MK238XHGL

MIKKA MK238XHAGL

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





# DISPLAY PROPERTIES

Туре:	23.8" Glass	23.8" Anti Glare, Glass	23.8" High Bright, Glass	23.8" High Bright, Anti Glare, Glass		
Resolution:	1920 x 1080 (FullHD) 16:9					
Pixel distance:	0.24795 (H) x 0.24795 (V) mm					
Screen diagonal/ - area:	60.4 cm / (W x H): 527.0 x 296.5	5 mm				
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	1000:1					
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2		
Response time:	14 ms					
Power supply:	12V DC (optional 24V) / external power adapter					
Power consumption:	< 24W	< 24W	< 46W	< 46W		
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	560.1 x 335.5 x 38.2 mm; 4.5 kg					

# INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out	
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# FEATURES

Operating controls:	On/Off switch, 4 bu	On/Off switch, 4 button OSD, Auto button			
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval)				
PRICE IN €	505	545	635	675	





MIKKA MK240XGL

MIKKA MK240XAGL

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





# DISPLAY PROPERTIES

Type:	24" Glass	24" Anti Glare, Glass	
Resolution:	1920 x 1200 (WUXGA) 16:10		
Pixel distance:	0.270 (H) x 0.270 (V) mm		
Screen diagonal/ - area:	61.13 cm / (W x H): 518.4 x 324.0 mm		
Max. Colour depth:	16.7 million		
Viewing angle:	H, V (CR ≥ 10): 178° / 178°		
Contrast (static):	1000:1		
Brightness:	300 cd/m2		
Response time:	14 ms		
Power supply:	12V DC (optional 24V) / external p	power adapter	
Power consumption:	< 22W		
Operating environment:	±0 - +50°C ; 20 - 90% humidity		
Storage:	-20 - +60°C ; 10 - 90% humidity		
Dimensions and weight:	564.6 x 370.2 x 38.9 mm; 4.6 kg		

# INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out
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# FEATURES

PRICE IN €

Operating controls:	On/Off switch, 4 button OSD, Auto button		
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval)		

665

625















MIKKA MK133XGS

MIKKA MK133XAGS

MIKKA MK170GS

MIKKA MK170AGS

MIKKA MK190XGS

MIKKA MK190XAGS

# QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





# DISPLAY PROPERTIES

Type:	13.3" Glass	13.3" Anti Glare, Glass	17" Glass	17" Anti Glare, Glass	19" Glass	19" Anti Glare, Glass
Resolution:	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4
Pixel distance:	0.1529 (H) x 0.1529 (V) mm	0.1529 (H) x 0.1529 (V) mm	0.264 (H) x 0.264 (V) mm	0.264 (H) x 0.264 (V) mm	0.0976 (H) x 0.2928 (V) mm	0.0976 (H) x 0.2928 (V) mm
Screen diagonal/ - area:	33.7 cm / (W x H): 293.76 x 165.24 mm	33.7 cm / (W x H): 293.76 x 165.24 mm	43.3 cm / (W x H): 337.92 x 270.34 mm	43.3 cm / (W x H): 337.92 x 270.34 mm	48 cm / (W x H): 374.8 x 299.8 mm	48 cm / (W x H): 374.8 x 299.8 mm
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 170°	H, V (CR ≥ 10): 178° / 170°	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°
Contrast (static):	700:1	700:1	1000:1	1000:1	1000:1	1000:1
Brightness:	350 cd/m2	350 cd/m2	250 cd/m2	250 cd/m2	250 cd/m2	250 cd/m2
Response time:	11 ms	11 ms	5 ms	5 ms	14 ms	14 ms
Power supply:	12V DC (optional 24V) / external power adapter					
Power consumption:	< 12W	< 12W	< 15W	< 15W	< 17W	< 17W
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	324.1 x 207.8 x 35.1 mm; 1.35 kg	324.1 x 207.8 x 35.1 mm; 1.35 kg	365.73 x 306.81 x 48.31 mm; 3.1 kg	365.73 x 306.81 x 48.31 mm; 3.1 kg	404.63 x 339.17 x 48.36 mm; 3.7 kg	404.63 x 339.17 x 48.36 mm; 3.7 kg

### INTERFACES

# FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button						
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval)						
PRICE IN €	335	350	240	280	260	300	









MIKKA MK215XGS

MIKKA MK215XAGS

MIKKA MK215XHGS

MIKKA MK215XHAGS

21.5" High Bright, Anti Glare,

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Туре:	21.5" Glass	21.5" Anti Glare, Glass	21.5" High Bright, Glass	21.5" High Bright, Anti Glare, Glass
Resolution:	1920 x 1080 (FullHD) 16:9			
Pixel distance:	0.24795 (H) x 0.24795 (V) mm	0.24795 (H) x 0.24795 (V) mm	0.24825 (H) x 0.24825 (V) mm	0.24825 (H) x 0.24825 (V) mm
Screen diagonal/ - area:	54.6 cm / (W x H): 476.1 x 267.8 mm	54.6 cm / (W x H): 476.1 x 267.8 mm	54.6 cm / (W x H): 476.1 x 267.8 mm	54.6 cm / (W x H): 476.1 x 267.8 mm
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 10): 178° / 178°			
Contrast (static):	3000:1			
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2
Response time:	8 ms	8 ms	14 ms	14 ms
Power supply:	12V DC (optional 24V) / external	oower adapter		
Power consumption:	< 21W	< 21W	< 46W	< 46W
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	505.9 x 302.2 x 48.5 mm; 4.9 kg			

#### INTERFACES

s/outputs:
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#### FEATURES

Operating controls:	On/Off switch, 4 b	utton OSD, Auto button			
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval)				
PRICE IN €	270	310	420	460	













MIKKA MK238XGS

MIKKA MK238XAGS

MIKKA MK238XHGS

MIKKA MK238XHAGS

MIKKA MK270XGS

MIKKA MK270XAGS

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	23.8" Glass	23.8" Anti Glare, Glass	23.8" High Bright, Glass	23.8" High Bright, Anti Glare, Glass	27" Glass	27" Anti Glare, Glass	
Resolution:	1920 x 1080 (FullHD) 16:9						
Pixel distance:	0.2745 (H) x 0.2745 (V) mm	0.311 (H) x 0.311 (V) mm	0.311 (H) x 0.311 (V) mm				
Screen diagonal/ - area:	60.4 cm / (W x H): 527.0 x 296.5 mm	60.4 cm / (W x H): 527.0 x 296.5 mm	60.4 cm / (W x H): 527.0 x 296.5 mm	60.4 cm / (W x H): 527.0 x 296.5 mm	68.6 cm / (W x H): 597.6 x 336.2 mm	68.6 cm / (W x H): 597.6 x 336.2 mm	
Max. Colour depth:	16.7 million						
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	1000:1	1000:1	1000:1	1000:1	3000:1	3000:1	
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2	300 cd/m2	300 cd/m2	
Response time:	14 ms	14 ms	14 ms	14 ms	12 ms	12 ms	
Power supply:	12V DC (optional 24V) / externa	I power adapter					
Power consumption:	< 24W	< 24W	< 46W	< 46W	< 32W	< 32W	
Operating environment:	±0 - +50°C ; 20 - 90% humidity	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	559.2 x 334.5 x 48.5 mm; 5.1 kg	647.4 x 380.4 x 48.46 mm; 5.5 kg	647.4 x 380.4 x 48.46 mm; 5.5 kg				

#### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out
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#### FEATURES

Operating controls:	On/Off switch, 4 k	On/Off switch, 4 button OSD, Auto button					
Functions:	Contrast, brightne	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval)					
PRICE IN €	300	340	550	590	360	400	



24V DC / external power adapter







MIKKA MK315XGS

MIKKA MK315XAGS

MIKKA MK315XHGS

MIKKA MK315XHAGS

31.5" High Bright, Anti Glare,

Glass

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





## Type: 31.5" Glass 31.5" Anti Glare, Glass 31.5" High Bright, Glass Resolution: 1920 x 1080 (FullHD) 16:9

Pixel distance:	0.3637 (H) x 0.3637 (V) mm	0.3637 (H) x 0.3637 (V) mm	0.3637 (H) x 0.1213 (V) mm	0.3637 (H) x 0.1213 (V) mm		
Screen diagonal/ - area:	80.1 cm / (W x H): 698.4 x 392.9	mm				
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°				
Contrast (static):	3000:1	3000:1	4000:1	4000:1		
Brightness:	500 cd/m2	500 cd/m2	1500 cd/m2	1500 cd/m2		
Response time:	8 ms					

Power consumption:	< 42W	< 42W	< 100W	< 100W
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	747.0 x 452.0 x 57.5 mm; 10 kg			

#### INTERFACES

Power supply:

DISPLAY PROPERTIES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out
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#### FEATURES

Operating controls:	On/Off switch, 4 bu	On/Off switch, 4 button OSD, Auto button			
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval)				
PRICE IN €	775	815	995	1035	

DISPLAY PROPERTIES



#### MIKKA MK156XHAGO

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA open frame monitors provide additional peace of mind.





Type:	15.6" High Bright, Anti Glare, Glass, Outdoor
Resolution:	1920 x 1080 (FullHD) 16:9
Pixel distance:	0.17925 (H) x 0.17925 (V) mm
Screen diagonal/ - area:	39.5 cm / (W x H): 344.16 x 193.59 mm
Max. Colour depth:	16.7 million
Viewing angle:	H, V (CR ≥ 10): 176° / 176°
Contrast (static):	750:1
Brightness:	1500 cd/m2
Response time:	15 ms
Power supply:	12V DC (optional 24V) / external power adapter
Power consumption:	< 38W
Operating environment:	-40 - +80°C ; 20 - 90% humidity
Storage:	-40 - +80°C ; 20 - 90% humidity
Dimensions and weight:	407.06 x 263.55 x 40 mm; 2.85 kg
INTERFACES	
Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out
FEATURES	
Operating controls:	On/Off switch, 4 button OSD, Auto button
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval)
PRICE IN €	729





# TOUCH MONITORS, THAT FIT.

Are you trying to use the monitor right away as an input device? With modern devices, the monitor often interfaces with the user. High reliability and accuracy are essential for successful communication.

To ensure these factors, we only use capacitive touch solutions at MIKKA. They are also highly responsive and robust. Our touch screen monitors have excellent image sharpness and can be used as single or Multitouch. Innovative technologies such as mirror displays or Touch Through Glass complete the range.

MIKKA touch monitors with high-precision touch panels from well-known manufacturers invite you to interact with them.

## TOUCHSCREEN MONITORS

MIKKA touch monitors, available in sizes from 10.1" to 43" in our standard range, impress with their accuracy in use as well as their durability in continuous operation.

Choose from a variety of selectable features for your desired free demo unit, or contact us for your specific custom-built solution.

### **FEATURES**



**High Touch Precision** 



24/7 Continuous Operation



Low Heat Generation



Break-Proof



Flush Mount



High Brilliance



3 Years Warranty



Touch Through Glass



Temperature-Resistant



Low Noise



Repairable



Anti-Glare Display



Various Connections



Follow-Up Purchase Guarantee

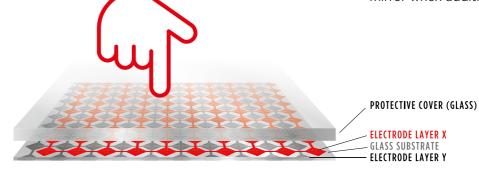
## HIGHEST TOUCH PRECISION, THAT FITS.

MIKKA open frame monitors are equipped exclusively with capacitive touchscreens from leading manufacturers.

These touchscreens not only offer excellent image sharpness with light transmission of over 90%, but also ensure extremely high touch accuracy.

Even with light touches and multitouch applications involving multiple fingers, this accuracy is maintained.

The scratch-resistant monitor is resistant to dust and moisture and can also be operated as a "touch through glass" behind a glass panel or mirror when additional protection is needed.



### **B-LINE** The standard installation monitor

Inch Size	17"	19"	19" wide	21.5"	22"	23.8"	24"	27"
Resolution	SXGA 1280 x 1024	SXGA 1280 x 1024	SXGA 1280 x 1024	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080	WUXGA 1920 x 1200	Full HD 1920 x 1080
Ratio	5:4	5:4	5:4	16:9	5:4	16:9	16:10	16:9
Art. No.	MK170T	MK190XT	MK190WM	MK215XT	MK220T	MK238XT	MK240XT	MK270XT
	MK170TF	MK190XTF	MK190WMF	MK215XTF	MK220TF	MK238XTF	MK240XTF	MK270XTF
	MK170XHTF		MK190WT					
			MK190WTF					



### **L-LINE** The monitor that's easy to integrate

Inch Size	13.3"	15.6"	17"	17.3"	19"	21.5"	23.8"	24"
Resolution	Full HD 1920 x 1080	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080	Full HD 1920 x 1080	WUXGA 1920 x 1200
Ratio	16:9	16:9	5:4	16:9	5:4	16:9	16:9	16:10
Art. No.	MK133XML	MK156XML	MK170ML	MK173XML	MK190XML	MK215XML	MK238XML	MK240XML
	MK133XAML	MK156XAML	MK170AML	MK173XAML	MK190XAML	MK215XAML	MK238XAML	MK240XAML
	MK133XML-D	MK156XHML	MK170ML-D	MK173XML-D	MK190XML-D	MK215XHML	MK238XHML	MK240XML-D
	MK133XAML-D	MK156XHAML	MK170AML-D	MK173XAML-D	MK190XAML-D	MK215XHAML	MK238XHAML	MK240XAML-D
		MK156XML-D				MK215XML-D	MK238XML-D	
		MK156XAML-D				MK215XAML-D	MK238XAML-D	
		MK156XHML-D				MK215XHML-D	MK238XHML-D	
		MK156XHAML-D				MK215XHAML-D	MK238XHAML-D	

### **S-LINE** The Flush-Mounted Monitor

Inch Size	13.3"	17"	19"	21.5"	23.8"	27"	31.5"
Resolution	Full HD 1920 x 1080	SXGA 1280 x 1024	SXGA 1280 x 1024	Full HD 1920 x 1080			
Ratio	16:9	5:4	5:4	16:9	16:9	16:9	16:9
Art. No.	MK133XMS	MK170MS	MK190XMS	MK215XMS	MK238XMS	MK270XMS	MK315XMS
	MK133XAMS	MK170AMS	MK190XAMS	MK215XAMS	MK238XAMS	MK270XAMS	MK315XAMS
				MK215XHMS	MK238XHMS	AIO270XMS-C4-01	MK315XHMS
				MK215XHAMS	MK238XHAMS		MK315XHAMS
				MK215XHM2S	MK238XHM2S		AIO315XMS-C4-01
				AIO215XMS-C4-01	AIO238XMS-C4-01		

### **0-LINE** The Weather-Resistant Monitor

Inch Size	15.6"
Resolution	Full HD 1920 x 1080
Ratio	16:9
Art. No.	MK156XHAMO

#### COLOUR DESIGNATIONS FEATURES Open Frame Monitor X Extended Viewing Angle Touch Monitor Public Display Public Display High Bright AIO Monitor Anti Glare Desktop Monitor Singletouch Multitouch M2 Mirror Multitouch NEED HELP? Just get in touch! Frame Lip ✓ info@mikka.com Desktop . +43 7229 23023

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### **PRODUCTFEATURES**











MIKKA MK170T

MIKKA MK170TF

MIKKA MK170XHTF

MIKKA MK190XT

MIKKA MK190XTF

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	17" Singletouch	17" Singletouch, Frame Lip	17" Singletouch, High Bright, Frame Lip	19" Singletouch	19" Singletouch, Frame Lip
Resolution:	1280 x 1024 (SXGA) 5:4				
Pixel distance:	0.264 (H) x 0.264 (V) mm	0.264 (H) x 0.264 (V) mm	0.264 (H) x 0.264 (V) mm	0.0976 (H) x 0.2928 (V) mm	0.0976 (H) x 0.2928 (V) mm
Screen diagonal/ - area:	43.3 cm / (W x H): 337.92 x 270.34 mm	43.3 cm / (W x H): 337.92 x 270.34 mm	43.3 cm / (W x H): 337.92 x 270.34 mm	48 cm / (W x H): 374.8 x 299.8 mm	48 cm / (W x H): 374.8 x 299.8 mm
Max. Colour depth:	16.7 million				
Viewing angle:	H, V (CR ≥ 5): 178° / 170°	H, V (CR ≥ 5): 178° / 170°	H, V (CR ≥ 5): 178° / 170°	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°
Contrast (static):	1000:1	1000:1	700:1	1000:1	1000:1
Brightness:	250 cd/m2	250 cd/m2	800 cd/m2	250 cd/m2	250 cd/m2
Response time:	5 ms	5 ms	5 ms	14 ms	14 ms
Power supply:	12V DC (optional 24V) / external p	power adapter			
Power consumption:	< 15W	< 15W	< 24W	< 17W	< 17W
Operating environment:	±0 - +50°C ; 20 - 90% humidity				
Storage:	-20 - +60°C ; 10 - 90% humidity				
Dimensions and weight:	361.0 x 299.0 x 45.0 mm; 3.1 kg	361.0 x 299.0 x 47.5 mm; 3.2 kg	361.0 x 299.0 x 47.5 mm; 3.8 kg	398.5 x 326.5 x 45.0 mm; 3.6 kg	398.5 x 326.5 x 47.5 mm; 3.7 kg

#### INTERFACES

#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button				
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source				
Touch:	3M™ MicroTouch™ System SCT3250EX Surface Capacitive, USB Touch System				
Controller:	3M™ MicroTouch™ EXII-7760UC				
PRICE IN €	300	375	515	380	395













MIKKA MK190WM

MIKKA MK190WMF

MIKKA MK190WT

MIKKA MK190WTF

MIKKA MK215XT

MIKKA MK215XTF

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Type:	19" Wide, Multitouch	19" Wide, Multitouch, Frame Lip	19" Wide, Singletouch	19" Wide, Singletouch, Frame Lip	21.5" Singletouch	21.5" Singletouch, Frame Lip
Resolution:	1440 x 900 (WXGA+) 16:10	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9			
Pixel distance:	0.2835 (H) x 0.2835 (V) mm	0.24795 (H) x 0.24795 (V) mm	0.24795 (H) x 0.24795 (V) mm			
Screen diagonal/ - area:	48.1 cm / (W x H): 408.24 x 255.15 mm	48.1 cm / (W x H): 408.24 x 255.15 mm	48.1 cm / (W x H): 408.24 x 255.15 mm	48.1 cm / (W x H): 408.24 x 255.15 mm	54.6 cm / (W x H): 476.1 x 267.8 mm	54.6 cm / (W x H): 476.1 x 267.8 mm
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 5): 178° / 170°					
Contrast (static):	1000:1	1000:1	1000:1	1000:1	3000:1	3000:1
Brightness:	250 cd/m2					
Response time:	5 ms	5 ms	5 ms	5 ms	8 ms	8 ms
Power supply:	12V DC (optional 24V) / external	power adapter				
Power consumption:	< 21W					
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	441.9 x 294.9 x 47.7 mm 4.3 kg	441.9 x 294.9 x 45.0 mm; 4.4 kg	441.9 x 294.9 x 45.0 mm; 4.3 kg	441.9 x 294.9 x 47.7 mm; 4.4 kg	498.1 x 294.7 x 44.5 mm; 5.4 kg	468.9 x 294.5 x 47.00 mm; 5.5 kg

#### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB

#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Au	On/Off switch, 4 button OSD, Auto button				
Functions:	Contrast, brightness, vertical and	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source				
Touch:	PCAP Projected Capacitive	PCAP Projected Capacitive	3M™ MicroTouch™ System SC- T3250EX Surface Capacitive, USB Touch System	3M <sup>™</sup> MicroTouch <sup>™</sup> System SC- T3250EX Surface Capacitive, USB Touch System	3M™ MicroTouch™ System SC- T3250EX Surface Capacitive, USB Touch System	3M™ MicroTouch™ System SC- T3250EX Surface Capacitive, USB Touch System
Controller:	EETI 10 Finger Multitouch USB	EETI 10 Finger Multitouch USB	3M™ MicroTouch™ EXII-7760UC	3M™ MicroTouch™ EXII-7760UC	3M™ MicroTouch™ EXII-7760UC	3M™ MicroTouch™ EXII-7760UC
PRICE IN €	370	395	370	395	400	415









MIKKA MK220T

MIKKA MK220TF

MIKKA MK238XT

MIKKA MK238XTF

23.8" Singletouch,

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	22" Singletouch	22" Singletouch, Frame Lip	23.8" Singletouch	23.8" Singletouch, Frame Lip
Resolution:	1680 x 1050 (WSXGA+) 16:10	1680 x 1050 (WSXGA+) 16:10	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9
Pixel distance:	0.282 (H) x 0.282 (V) mm	0.282 (H) x 0.282 (V) mm	0.2745 (H) x 0.2745 (V) mm	0.2745 (H) x 0.2745 (V) mm
Screen diagonal/ - area:	55.9 cm / (W x H): 473.8 x 296.1 mm	55.9 cm / (W x H): 473.8 x 296.1 mm	60.4 cm / (W x H): 527.0 x 296.5 mm	60.4 cm / (W x H): 527.0 x 296.5 mm
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 5): 178° / 170°			
Contrast (static):	1000:1			
Brightness:	250 cd/m2			
Response time:	4 ms	4 ms	14 ms	14 ms
Power supply:	12V DC (optional 24V) / external	power adapter		
Power consumption:	< 21W	< 21W	< 24W	< 24W
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	496.2 x 322.6 x 45.0 mm; 5.3 kg	496.2 x 322.6 x 47.5 mm; 5.5 kg	547.5 x 324.9 x 45.0 mm; 5.6 kg	547.5 x 324.9 x 47.5 mm; 5.8 kg

#### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB		
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#### FEATURES

Operating controls:	On/Off switch, 4 k	On/Off switch, 4 button OSD, Auto button				
Functions:		Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source				
Touch:	3M™ MicroTouch™	3M™ MicroTouch™ System SCT3250EX Surface Capacitive, USB Touch System				
Controller:	3M™ MicroTouch™ EXII-7760UC					
PRICE IN €	420	435	440	455		









MIKKA MK240XT

MIKKA MK240XTF

MIKKA MK270XT

MIKKA MK270XTF

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





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Type:	24" Singletouch	24" Singletouch, Frame Lip	27" Singletouch	27" Singletouch, Frame Lip
Resolution:	1920 x 1200 (WUXGA) 16:10	1920 x 1200 (WUXGA) 16:10	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9
Pixel distance:	0.270 (H) x 0.270 (V) mm	0.270 (H) x 0.270 (V) mm	0.311 (H) x 0.311 (V) mm	0.311 (H) x 0.311 (V) mm
Screen diagonal/ - area:	61.13 cm / (W x H): 518.4 x 324.0 mm	61.13 cm / (W x H): 518.4 x 324.0 mm	68.6 cm / (W x H): 597.6 x 336.2 mm	68.6 cm / (W x H): 597.6 x 336.2 mm
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 5): 178° / 170°			
Contrast (static):	1000:1	1000:1	3000:1	3000:1
Brightness:	300 cd/m2			
Response time:	14 ms	14 ms	12 ms	12 ms
Power supply:	12V DC (optional 24V) / external	power adapter		
Power consumption:	< 22W	< 22W	< 32W	< 32W
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	548.9 x 354.5 x 45.0 mm; 6.0 kg	548.9 x 354.5 x 47.5 mm; 6.1 kg	632.5 x 370.7 x 44.5 mm; 7.2 kg	632.5 x 370.7 x 47.0 mm; 7.3 kg

#### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB	
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#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button			
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source			
Touch:	3M™ MicroTouch™ System SCT3250EX Surface Capacitive, USB Touch System			
Controller:	3M™ MicroTouch™ EXII-7760UC			
PRICE IN €	560	575	600	615





MIKKA MK133XML

MIKKA MK133XAML

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





Туре:	13.3" Multitouch	13.3" Multitouch, Anti Glare
Resolution:	1920 x 1080 (FullHD) 16:9	
Pixel distance:	0.1529 (H) x 0.1529 (V) mm	
Screen diagonal/ - area:	33.7 cm / (W x H): 293.76 x 165.2	4 mm
Max. Colour depth:	16.7 million	
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	
Contrast (static):	700:1	
Brightness:	350 cd/m2	
Response time:	11 ms	
Power supply:	12V DC (optional 24V) / external	power adapter
Power consumption:	< 12W	
Operating environment:	±0 - +50°C ; 20 - 90% humidity	
Storage:	-20 - +60°C ; 10 - 90% humidity	
Dimensions and weight:	326.2 x 209.9 x 29.15 mm; 1.0 kg	

#### INTERFACES

DISPLAY PROPERTIES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB
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#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button		
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source		
Touch:	puch: PCAP Projected Capacitive		
Controller:	EETI 10 Finger Multitouch USB (HID device)		
PRICE IN €	435 475		











MIKKA MK156XML

MIKKA MK156XAML

MIKKA MK156XHML

MIKKA MK156XHAML

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

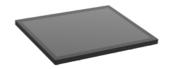
Туре:	15.6" Multitouch	15.6" Multitouch, Anti Glare	15.6" Multitouch, High Bright	15.6" Multitouch, High Bright, Anti Glare
Resolution:	1920 x 1080 (FullHD) 16:9			
Pixel distance:	0.17925 (H) x 0.17925 (V) mm			
Screen diagonal/ - area:	39.5 cm / (W x H): 344.16 x 193.5	9 mm		
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 10): 178° / 178°			
Contrast (static):	800:1	800:1	1000:1	1000:1
Brightness:	300 cd/m2	300 cd/m2	1000 cd/m2	1000 cd/m2
Response time:	14 ms	14 ms	25 ms	25 ms
Power supply:	12V DC (optional 24V) / external	power adapter		
Power consumption:	< 8W	< 8W	< 23W	< 23W
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	374 x 236 x 29.2 mm; 1.25 kg	374 x 236 x 29.2 mm; 1.25 kg	374 x 236 x 32.95 mm; 1.45 kg	374 x 236 x 32.95 mm; 1.45 kg

#### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB	
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#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button			
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source			
Touch:	PCAP Projected Capacitive			
Controller:	EETI 10 Finger Multitouch USB (HID device)			
PRICE IN €	445	485	665	705





MIKKA MK170ML

MIKKA MK170AML

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Type:	17" Multitouch	17'' Multitouch, Anti Glare
Resolution:	1280 x 1024 (SXGA) 5:4	
Pixel distance:	0.264 (H) x 0.264 (V) mm	
Screen diagonal/ - area:	43.3 cm / (W x H): 337.92 x 270.3	4 mm
Max. Colour depth:	16.7 million	
Viewing angle:	H, V (CR ≥ 5): 178° / 170°	
Contrast (static):	1000:1	
Brightness:	250 cd/m2	
Response time:	5 ms	
Power supply:	12V DC (optional 24V) / external p	power adapter
Power consumption:	< 15W	
Operating environment:	±0 - +50°C ; 20 - 90% humidity	
Storage:	-20 - +60°C ; 10 - 90% humidity	
Dimensions and weight:	366.33 x 307.36 x 37.1 mm; 3.1 kg	

#### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB
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#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button	
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source	
Touch:	PCAP Projected Capacitive	
Controller:	EETI 10 Finger Multitouch USB (HID device)	
PRICE IN €	425	465







MIKKA MK173XML

#### MIKKA MK173XAML

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Type:	17.3" Multitouch	17.3" Multitouch, Anti Glare
Resolution:	1920 x 1080 (FullHD) 16:9	
Pixel distance:	0.1989 (H) x 0.1989 (V) mm	
Screen diagonal/ - area:	43.8 cm / (W x H): 381.89 x 214.81	mm
Max. Colour depth:	16.7 million	
Viewing angle:	H, V (CR ≥ 5): 178° / 178°	
Contrast (static):	700:1	
Brightness:	300 cd/m2	
Response time:	14 ms	
Power supply:	12V DC (optional 24V) / external p	power adapter
Power consumption:	< 12W	
Operating environment:	±0 - +50°C ; 20 - 90% humidity	
Storage:	-20 - +60°C ; 10 - 90% humidity	
Dimensions and weight:	415 x 262 x 29.55 mm; 1.75 kg	

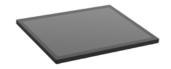
#### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB
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#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button	
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source	
Touch:	PCAP Projected Capacitive	
Controller:	EETI 10 Finger Multitouch USB (HID device)	
PRICE IN €	455 495	







MIKKA MK190XML

MIKKA MK190XAML

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





### DISPLAY PROPERTIES

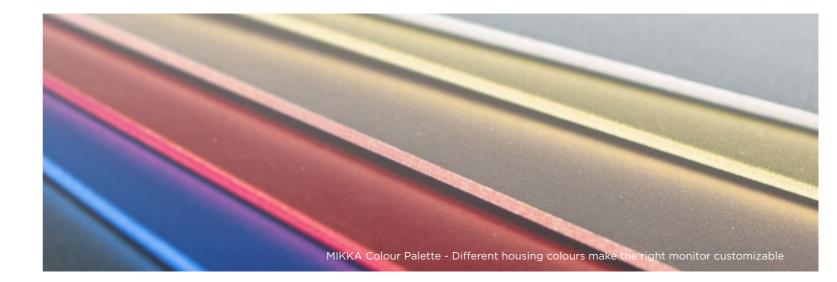
Type:	19" Multitouch	19" Multitouch, Anti Glare
Resolution:	1280 x 1024 (SXGA) 5:4	
Pixel distance:	0.0976 (H) x 0.2928 (V) mm	
Screen diagonal/ - area:	48 cm / (W x H): 374.8 x 299.8 mr	m
Max. Colour depth:	16.7 million	
Viewing angle:	H, V (CR ≥ 5): 178° / 178°	
Contrast (static):	1000:1	
Brightness:	250 cd/m2	
Response time:	14 ms	
Power supply:	12V DC (optional 24V) / external p	power adapter
Power consumption:	< 12W	
Operating environment:	±0 - +50°C ; 20 - 90% humidity	
Storage:	-20 - +60°C ; 10 - 90% humidity	
Dimensions and weight:	405.24 x 339.78 x 36.4 mm; 3.8 kg	1

#### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB
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#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button	
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source	
Touch:	PCAP Projected Capacitive	
Controller:	EETI 10 Finger Multitouch USB (HID device)	
PRICE IN €	445 48	5











21.5" Multitouch, High Bright,

MIKKA MK215XML

MIKKA MK215XAML

MIKKA MK215XHML

MIKKA MK215XHAML

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	21.5" Multitouch	21.5" Multitouch, Anti Glare	21.5" Multitouch, High Bright	21.5" Multitouch, High Bright, Anti Glare
Resolution:	1920 x 1080 (FullHD) 16:9			
Pixel distance:	0.24795 (H) x 0.24795 (V) mm			
Screen diagonal/ - area:	54.6 cm / (W x H): 476.1 x 267.8 i	mm		
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 5): 178° / 178°			
Contrast (static):	3000:1			
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2
Response time:	8 ms	8 ms	14 ms	14 ms
Power supply:	12V DC (optional 24V) / external	power adapter		
Power consumption:	< 21W	< 21W	< 46W	< 46W
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	506.46 x 303.06 x 38.1 mm; 4.3 k	g		

#### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB	
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#### FEATURES

Operating controls:	On/Off switch, 4	On/Off switch, 4 button OSD, Auto button		
Functions:		Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source		
Touch:	PCAP Projected	PCAP Projected Capacitive		
Controller:	EETI 10 Finger M	EETI 10 Finger Multitouch USB (HID device)		
PRICE IN €	495	535	645	685









MIKKA MK238XML

MIKKA MK238XAML

MIKKA MK238XHML

MIKKA MK238XHAML

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	23.8" Multitouch	23.8" Multitouch, Anti Glare	23.8" Multitouch, High Bright	23.8" Multitouch, High Bright, Anti Glare
Resolution:	1920 x 1080 (FullHD) 16:9			
Pixel distance:	0.2745 (H) x 0.2745 (V) mm			
Screen diagonal/ - area:	60.4 cm / (W x H): 527.0 x 296.5	mm		
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 5): 178° / 178°			
Contrast (static):	1000:1			
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2
Response time:	14 ms			
Power supply:	12V DC (optional 24V) / external p	power adapter		
Power consumption:	< 24W	< 24W	< 46W	< 46W
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	560.1 x 335.5 x 38.2 mm; 4.5 kg			

#### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB
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#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button					
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source					
Touch:	PCAP Projected Capacitive					
Controller:	EETI 10 Finger Multitouch USB (HID device)					
PRICE IN €	605	645	755	795		





MIKKA MK240XML

MIKKA MK240XAML

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Type:	24" Multitouch	24" Multitouch, Anti Glare
Resolution:	1920 x 1200 (WUXGA) 16:10	
Pixel distance:	0.270 (H) x 0.270 (V) mm	
Screen diagonal/ - area:	61.13 cm / (W x H): 518.4 x 324.0 n	nm
Max. Colour depth:	16.7 million	
Viewing angle:	H, V (CR ≥ 5): 178° / 178°	
Contrast (static):	1000:1	
Brightness:	300 cd/m2	
Response time:	14 ms	
Power supply:	12V DC (optional 24V) / external p	power adapter
Power consumption:	< 22W	
Operating environment:	±0 - +50°C ; 20 - 90% humidity	
Storage:	-20 - +60°C ; 10 - 90% humidity	
Dimensions and weight:	564.6 x 370.2 x 38.9 mm; 4.6 kg	

#### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB
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#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button			
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source			
Touch:	PCAP Projected Capacitive			
Controller:	EETI 10 Finger Multitouch USB (HID device)			
PRICE IN €	725 765			















MIKKA MK133XMS

MIKKA MK133XAMS

MIKKA MK170MS

MIKKA MK170AMS

MIKKA MK190XMS

MIKKA MK190XAMS

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	13.3" Multitouch	13.3" Multitouch, Anti Glare	17" Multitouch	17" Multitouch, Anti Glare	19" Multitouch	19" Multitouch, Anti Glare	
Resolution:	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4	
Pixel distance:	0.1529 (H) x 0.1529 (V) mm	0.1529 (H) x 0.1529 (V) mm	0.264 (H) x 0.264 (V) mm	0.264 (H) x 0.264 (V) mm	0.0976 (H) x 0.2928 (V) mm	0.0976 (H) x 0.2928 (V) mm	
Screen diagonal/ - area:	33.7 cm / (W x H): 293.76 x 165.24 mm	33.7 cm / (W x H): 293.76 x 165.24 mm	43.3 cm / (W x H): 337.92 x 270.34 mm	43.3 cm / (W x H): 337.92 x 270.34 mm	48 cm / (W x H): 374.8 x 299.8 mm	48 cm / (W x H): 374.8 x 299.8 mm	
Max. Colour depth:	16.7 million						
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 5): 178° / 170°	H, V (CR ≥ 5): 178° / 170°	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°	
Contrast (static):	700:1	700:1	1000:1	1000:1	1000:1	1000:1	
Brightness:	350 cd/m2	350 cd/m2	250 cd/m2	250 cd/m2	250 cd/m2	250 cd/m2	
Response time:	11 ms	11 ms	5 ms	5 ms	14 ms	14 ms	
Power supply:	12V DC (optional 24V) / external	power adapter					
Power consumption:	< 12W	< 12W	< 15W	< 15W	< 17W	< 17W	
Operating environment:	±0 - +50°C ; 20 - 90% humidity						
Storage:	-20 - +60°C ; 10 - 90% humidity						
Dimensions and weight:	324.1 x 207.8 x 35.1 mm; 1.35 kg	324.1 x 207.8 x 35.1 mm; 1.35 kg	365.73 x 306.81 x 48.31 mm; 3.1 kg	365.73 x 306.81 x 48.31 mm; 3.1 kg	404.63 x 339.17 x 48.36 mm; 3.7 kg	404.63 x 339.17 x 48.36 mm; 3.7 kg	

#### INTERFACES

#### FEATURES

Operating controls:	On/Off switch, 4 b	On/Off switch, 4 button OSD, Auto button						
Functions:	Contrast, brightnes	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source						
Touch:	PCAP Projected Ca	PCAP Projected Capacitive						
Controller:	EETI 10 Finger Mul	EETI 10 Finger Multitouch USB (HID device)						
PRICE IN €	435	475	375	415	395	435		











MIKKA MK215XMS

MIKKA MK215XAMS

MIKKA MK215XHMS

MIKKA MK215XAMS

MIKKA MK215XHM2S

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	21.5" Multitouch	21.5" Multitouch, Anti Glare	21.5" Multitouch, High Bright	21.5" Multitouch, High Bright, Anti Glare	21.5" Mirror Multitouch, High Bright			
Resolution:	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9						
Pixel distance:	0.24795 (H) x 0.24795 (V) mm							
Screen diagonal/ - area:	54.6 cm / (W x H): 476.1 x 267.8	mm						
Max. Colour depth:	16.7 million	16.7 million						
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°						
Contrast (static):	3000:1							
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2	1000 cd/m2			
Response time:	8 ms	8 ms	14 ms	14 ms	14 ms			
Power supply:	12V DC (optional 24V) / external	power adapter						
Power consumption:	< 21W	< 21W	< 46W	< 46W	< 46W			
Operating environment:	±0 - +50°C ; 20 - 90% humidity							
Storage:	-20 - +60°C ; 10 - 90% humidity							
Dimensions and weight:	505.9 x 302.2 x 48.5 mm; 4.9 kg							

#### INTERFACES

uts/outputs: VGA / DVI / HDMI / DP / Audio out / USB
--

#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button						
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source						
Touch:	PCAP Projected Capacitive Mirror						
Controller:	EETI 10 Finger Multitouch USB (HID device)						
DDICE IN C							
PRICE IN €	415	455	560	600	725		











MIKKA MK238XMS

MIKKA MK238XAMS

MIKKA MK238XHMS

MIKKA MK238XAMS

MIKKA MK238XHM2S

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	23.8" Multitouch	23.8" Multitouch, Anti Glare	23.8" Multitouch, High Bright	23.8" Multitouch, High Bright, Anti Glare	23.8" Mirror Multitouch, High Bright			
Resolution:	1920 x 1080 (FullHD) 16:9							
Pixel distance:	0.2745 (H) x 0.2745 (V) mm							
Screen diagonal/ - area:	60.4 cm / (W x H): 527.0 x 296.5	5 mm						
Max. Colour depth:	16.7 million							
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°						
Contrast (static):	1000:1							
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2	1000 cd/m2			
Response time:	14 ms							
Power supply:	12V DC (optional 24V) / externa	l power adapter						
Power consumption:	< 24W	< 24W	< 46W	< 46W	< 46W			
Operating environment:	±0 - +50°C ; 20 - 90% humidity							
Storage:	-20 - +60°C ; 10 - 90% humidity							
Dimensions and weight:	559.2 x 334.5 x 48.5 mm; 5.1 kg							

#### INTERFACES

#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button							
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source							
Touch:	PCAP Projected Capacitive Mirror							
Controller:	EETI 10 Finger Multitouch USB (HID device)							
PRICE IN €	455	495	705	745	865			





MIKKA MK270XMS

MIKKA MK270XAMS

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Type:	27" Multitouch	27" Multitouch, Anti Glare		
Resolution:	1920 x 1080 (FullHD) 16:9			
Pixel distance:	0.311 (H) x 0.311 (V) mm			
Screen diagonal/ - area:	68.6 cm / (W x H): 597.6 x 336.2	mm		
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°		
Contrast (static):	3000:1			
Brightness:	300 cd/m2			
Response time:	12 ms			
Power supply:	12V DC (optional 24V) / external power adapter			
Power consumption:	< 32W			
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	647.4 x 380.4 x 48.46 mm; 5.5 kg			

#### INTERFACES

Inputs/outputs: VGA / D	/I / HDMI / DP / Audio out / USB
-------------------------	----------------------------------

#### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button				
Functions:	Contrast, brightness, vertical and horizontal image position, phase pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source				
Touch:	PCAP Projected Capacitive				
Controller:	EETI 10 Finger Multitouch USB (HID device)				
PRICE IN €	515	555			











MIKKA MK315XMS

MIKKA MK315XAMS

MIKKA MK315XHMS

MIKKA MK315XHAMS

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





#### DISPLAY PROPERTIES

Type:	31.5" Multitouch	31.5" Multitouch, Anti Glare	31.5" Multitouch, High Bright	31.5" Multitouch, High Bright, Anti Glare			
Resolution:	1920 x 1080 (FullHD) 16:9						
Pixel distance:	0.3637 (H) x 0.3637 (V) mm	0.3637 (H) x 0.3637 (V) mm	0.3637 (H) x 0.1213 (V) mm	0.3637 (H) x 0.1213 (V) mm			
Screen diagonal/ - area:	80.1 cm / (W x H): 698.4 x 392.9 r	nm					
Max. Colour depth:	16.7 million						
Viewing angle:	H, V (CR ≥ 10): 178° / 178°						
Contrast (static):	3000:1	3000:1	4000:1	4000:1			
Brightness:	500 cd/m2	500 cd/m2	1500 cd/m2	1500 cd/m2			
Response time:	8 ms						
Power supply:	24V DC / external power adapter						
Power consumption:	< 42W	< 42W	< 100W	< 100W			
Operating environment:	±0 - +50°C ; 20 - 90% humidity						
Storage:	-20 - +60°C ; 10 - 90% humidity						
Dimensions and weight:	747.0 x 452.0 x 57.5 mm; 10 kg						
INTERFACES							
Inputs/outputs:	VGA / DVI / HDMI / DP / Audio or	ut / USB					

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB
-----------------	---

#### FEATURES

t, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, osition, display interval), input source
rojected Capacitive
Finger Multitouch USB (HID device)
r

RICE IN €	980	1040	1200	1240
NICE IN C	300	10-10	1200	1270

DISPLAY PROPERTIES



#### MIKKA MK315XHAMO

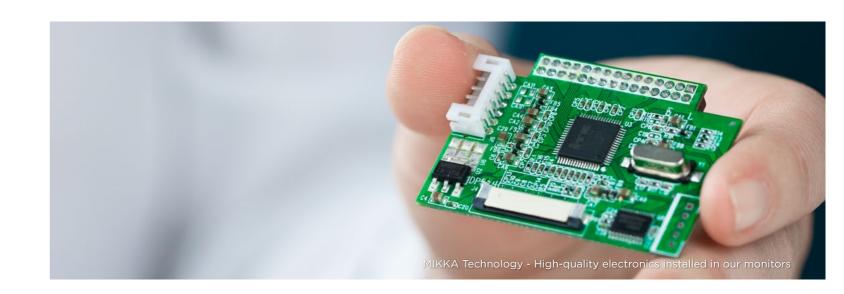
#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA touch monitors provide additional peace of mind.





Type:	15.6" Multitouch, High Bright, Anti Glare, Outdoor		
Resolution:	1920 x 1080 (FullHD) 16:9		
Pixel distance:	0.17925 (H) x 0.17925 (V) mm		
Screen diagonal/ - area:	39.5 cm / (W x H): 344.16 x 193.59 mm		
Max. Colour depth:	16.7 million		
Viewing angle:	H, V (CR ≥ 10): 176° / 176°		
Contrast (static):	750:1		
Brightness:	1500 cd/m2		
Response time:	15 ms		
Power supply:	12V DC (optional 24V) / external power adapter		
Power consumption:	< 38W		
Operating environment:	-40 - +80°C ; 20 - 90% humidity		
Storage:	-40 - +80°C ; 10 - 90% humidity		
Dimensions and weight:	407.06 x 263.55 x 40 mm; 2.85 kg		
INTERFACES			
Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB		
FEATURES			
Operating controls:	On/Off switch, 4 button OSD, Auto button		
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source		
Touch:	PCAP Projected Capacitive		
Controller:	EETI 10 Finger Multitouch USB (HID device)		
PRICE IN €	829		





## **PUBLIC** DISPLAYS, THAT FIT.

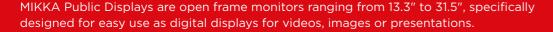
What are Public Displays? Public Displays are open frame monitors specifically designed for quick use as a display board for videos, images or presentations.

The built-in media player enables instant content playback. Just plug in the USB stick and you are ready to go.

Public Displays already have everything you need on board and are ideal for customers who want to use a monitor to display content quickly and conveniently. They are easy to install or simply hang on the wall.

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## PUBLIC DISPLAYS



The integrated media player allows for immediate playback of content. Simply plug in a USB stick, and the Public Display will show the stored material.

### **FEATURES**



24/7 Continuous Operation



Low Heat Generation



Break-Proof



Flush Mount



High Brilliance



3 Years Warranty



Temperature-Resistant



Low Noise



Repairable



Anti-Glare Display



Integrated Media Player



Follow-Up Purchase Guarantee

## EASY INTEGRATION AND OPERATION, THAT FITS.

Available in the S-Line and B-Line design lines, the MIKKA Public Display can be easily integrated either flush or slightly recessed.

It features standard connections including AUX, an infrared sensor for remote control, power supply, and 2 USB ports.

If you have specific requirements, we're happy to create a custom-built solution to meet your needs.



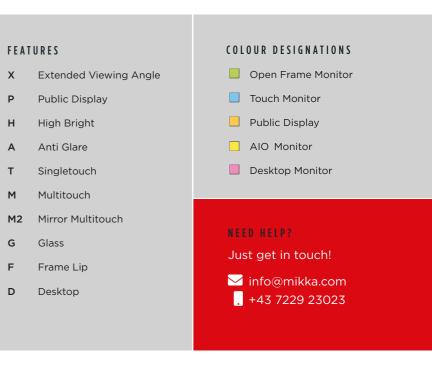
### **B-LINE** The standard installation monitor

Inch Size	17"	19"	21.5"	22"	23.8"	24"	27"
Resolution	SXGA 1280 x 1024	SXGA 1280 x 1024	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080	WUXGA 1920 x 1200	Full HD 1920 x 1080
Ratio	5:4	5:4	16:9	5:4	16:9	16:10	16:9
Art. No.	MK170P	MK190XP	MK215XP	MK220P	MK238XP	MK240XP	MK270XP
	MK170PG	MK190XPG	MK215XPG	MK220PG	MK238XPG	MK240XPG	MK270XPG
	MK170PF	MK190XPF	MK215XPF	MK220PF	MK238XPF	MK240XPF	MK270XPF
	MK170PGF	MK190XPGF	MK215XPGF	MK220PGF	MK238XPGF	MK240XPGF	MK270XPGF



### **S-LINE** The Flush-Mounted Monitor

Inch Size	13.3"	17"	19"	21.5"	23.8"	27"	31.5"
Resolution	Full HD 1920 x 1080	SXGA 1280 x 1024	SXGA 1280 x 1024	Full HD 1920 x 1080			
Ratio	16:9	5:4	5:4	16:9	16:9	16:9	16:9
Art. No.	MK133XPGS	MK170PGS	MK190XPGS	MK215XPGS	MK238XPGS	MK270XPGS	MK315XPGS
	MK133XPAGS	MK170PAGS	MK190XPAGS	MK215XPAGS	MK238XPAGS	MK270XPAGS	MK315XPAGS











MIKKA MK170P

MIKKA MK170PG

MIKKA MK170PF

MIKKA MK170PGF

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA Public Displays provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	17" Public Display	17" Public Display, Glass	17" Public Display, Frame Lip	17" Public Display, Glass, Frame Lip			
Resolution:	1280 x 1024 (SXGA) 5:4						
Pixel distance:	0.264 (H) x 0.264 (V) mm						
Screen diagonal/ - area:	43.3 cm / (W x H): 337.92 x 270.	34 mm					
Max. Colour depth:	16.7 million						
Viewing angle:	H, V (CR ≥ 5): 178° / 170°						
Contrast (static):	1000:1						
Brightness:	250 cd/m2						
Response time:	5 ms						
Power supply:	12V DC / external power adapter	r					
Power consumption:	< 15W						
Operating environment:	±0 - +50°C ; 20 - 90% humidity						
Storage:	-20 - +60°C ; 10 - 90% humidity						
Dimensions and weight:	361.0 x 299.0 x 45.0 mm; 2.2 kg	361.0 x 299.0 x 45.0 mm; 3.1 kg	361.0 x 299.0 x 47.5 mm; 2.3 kg	361.0 x 299.0 x 47.5 mm; 3.2 kg			

#### INTERFACES

|--|

#### FEATURES

Operating controls:	Remote Control					
Functions:	Contrast, brightness, pre-programmed colour temperatures, colour weighting, OSD (position, display interval)					
Playerboard:	182VG	182VG				
Video formats:	MPEG, MPG, MPEG2-TS, H264-TS, MPEG2-PS, AVI, MP4, RMVB, RM, MKV, AVI (1.0, 2.0), DMF (0.1.2), Motion JPEG (AVI, MOV)					
PRICE IN €	225	240	240	255		









MIKKA MK190XP

MIKKA MK190XPG

MIKKA MK190XPF

MIKKA MK190XPGF

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA Public Displays provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	19" Public Display	19" Public Display, Glass	19" Public Display, Frame Lip	19" Public Display, Glass, Frame Lip			
Resolution:	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4					
Pixel distance:	0.0976 (H) x 0.2928 (V) mm						
Screen diagonal/ - area:	48 cm / (W x H): 374.8 x 299.8 m	m					
Max. Colour depth:	16.7 million						
Viewing angle:	H, V (CR ≥ 10): 178° / 178°						
Contrast (static):	1000:1						
Brightness:	250 cd/m2						
Response time:	14 ms						
Power supply:	12V DC / external power adapter						
Power consumption:	< 17W						
Operating environment:	±0 - +50°C ; 20 - 90% humidity						
Storage:	-20 - +60°C ; 10 - 90% humidity						
Dimensions and weight:	398.5 x 326.5 x 45.0 mm; 2.6 kg	398.5 x 326.5 x 45.0 mm; 3.6 kg	398.5 x 326.5 x 47.5 mm; 2.7 kg	398.5 x 326.5 x 47.5 mm; 3.7 kg			

#### INTERFACES

#### FEATURES

Operating controls:	Remote Control				
Functions:	Contrast, brightness, pre-programmed colour temperatures, colour weighting, OSD (position, display interval)				
Playerboard:	182VG				
Video formats:	MPEG, MPG, MPEG2-TS, H264-TS, MPEG2-PS, AVI, MP4, RMVB, RM, MKV, AVI (1.0, 2.0), DMF (0.1.2), Motion JPEG (AVI, MOV)				
PRICE IN €	235	250	250	265	









MIKKA MK215XP

MIKKA MK215XPG

MIKKA MK215XPF

MIKKA MK215XPGF

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA Public Displays provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	21.5" Public Display	21.5" Public Display, Glass	21.5" Public Display, Frame Lip	21.5" Public Display, Glass, Frame Lip		
Resolution:	1920 x 1080 (FullHD) 16:9					
Pixel distance:	0.24795 (H) x 0.24795 (V) mm					
Screen diagonal/ - area:	54.6 cm / (W x H): 476.1 x 267.8	mm				
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	3000:1					
Brightness:	250 cd/m2					
Response time:	8 ms					
Power supply:	12V DC / external power adapte	r				
Power consumption:	< 21W					
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	498.1 x 294.7 x 44.5 mm; 4.3 kg	498.1 x 294.7 x 44.5 mm; 5.4 kg	468.9 x 294.5 x 47.0 mm; 4.4 kg	468.9 x 294.5 x 47.0 mm; 5.5 kg		

#### INTERFACES

#### FEATURES

Operating controls:	Remote Control	Remote Control					
Functions:	Contrast, brightne	Contrast, brightness, pre-programmed colour temperatures, colour weighting, OSD (position, display interval)					
Playerboard:	182VG	182VG					
Video formats:	MPEG, MPG, MPE	MPEG, MPG, MPEG2-TS, H264-TS, MPEG2-PS, AVI, MP4, RMVB, RM, MKV, AVI (1.0, 2.0), DMF (0.1.2), Motion JPEG (AVI, MOV)					
PRICE IN €	255	270	270	285			









MIKKA MK220P

MIKKA MK220PG

MIKKA MK220PF

MIKKA MK220PGF

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA Public Displays provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	22" Public Display	22" Public Display, Glass	22" Public Display, Frame Lip	22" Public Display, Glass, Frame Lip		
Resolution:	1680 x 1050 (WSXGA+) 16:10					
Pixel distance:	0.282 (H) x 0.282 (V) mm					
Screen diagonal/ - area:	55.9 cm / (W x H): 473.8 x 296.1	mm				
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 5): 178° / 170°	H, V (CR ≥ 5): 178° / 170°				
Contrast (static):	1000:1					
Brightness:	250 cd/m2					
Response time:	4 ms					
Power supply:	12V DC / external power adapte	r				
Power consumption:	< 21W					
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	496.2 x 322.6 x 45.0 mm; 4.4 kg	496.2 x 322.6 x 45.0 mm; 5.6 kg	496.2 x 322.6 x 47.5 mm; 4.5 kg	496.2 x 322.6 x 47.5 mm; 5.7 kg		

#### INTERFACES

#### FEATURES

Operating controls:	Remote Control	Remote Control				
Functions:	Contrast, brightn	Contrast, brightness, pre-programmed colour temperatures, colour weighting, OSD (position, display interval)				
Playerboard:	182VG	182VG				
Video formats:	MPEG, MPG, MPE	MPEG, MPG, MPEG2-TS, H264-TS, MPEG2-PS, AVI, MP4, RMVB, RM, MKV, AVI (1.0, 2.0), DMF (0.1.2), Motion JPEG (AVI, MOV)				
PRICE IN €	265	280	280	295		









MIKKA MK238XP

MIKKA MK238XPG

MIKKA MK238XPF

MIKKA MK238XPGF

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA Public Displays provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	23.8" Public Display	23.8" Public Display, Glass	23.8" Public Display, Frame Lip	23.8" Public Display, Glass, Frame Lip			
Resolution:	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9					
Pixel distance:	0.2745 (H) x 0.2745 (V) mm	0.2745 (H) x 0.2745 (V) mm					
Screen diagonal/ - area:	60.4 cm / (W x H): 527.0 x 296.5	i mm					
Max. Colour depth:	16.7 million						
Viewing angle:	H, V (CR ≥ 10): 178° / 178°						
Contrast (static):	1000:1						
Brightness:	250 cd/m2						
Response time:	14 ms						
Power supply:	12V DC / external power adapter	,					
Power consumption:	< 24W						
Operating environment:	±0 - +50°C ; 20 - 90% humidity						
Storage:	-20 - +60°C ; 10 - 90% humidity						
Dimensions and weight:	547.5 x 324.9 x 45.0 mm; 4.6 kg	547.5 x 324.9 x 45.0 mm; 5.9 kg	547.5 x 324.9 x 47.5 mm; 4.7 kg	547.5 x 324.9 x 47.5 mm; 6.0 kg			

#### INTERFACES

#### FEATURES

Operating controls:	Remote Control			
Functions:	Contrast, brightness, pre-programmed colour temperatures, colour weighting, OSD (position, display interval)			
Playerboard:	182VG			
Video formats:	MPEG, MPG, MPEG2-TS, H264-TS, MPEG2-PS, AVI, MP4, RMVB, RM, MKV, AVI (1.0, 2.0), DMF (0.1.2), Motion JPEG (AVI, MOV)			
PRICE IN €	285	300	300	315









MIKKA MK240XP

MIKKA MK240XPG

MIKKA MK240XPF

MIKKA MK240XPGF

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA Public Displays provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	24" Public Display	24" Public Display, Glass	24" Public Display, Frame Lip	24" Public Display, Glass, Frame Lip	
Resolution:	1920 x 1200 WUXGA 1920x1200				
Pixel distance:	0.270 (H) x 0.270 (V) mm				
Screen diagonal/ - area:	61.13 cm / (W x H): 518.4 x 324.0 n	nm			
Max. Colour depth:	16.7 million				
Viewing angle:	H, V (CR ≥ 10): 178° / 178°				
Contrast (static):	1000:1				
Brightness:	300 cd/m2				
Response time:	14 ms				
Power supply:	12V DC / external power adapter				
Power consumption:	< 22W				
Operating environment:	±0 - +50°C ; 20 - 90% humidity				
Storage:	-20 - +60°C ; 10 - 90% humidity				
Dimensions and weight:	548.9 x 354.5 x 45.0 mm; 4.6 kg	548.9 x 354.5 x 45.0 mm; 6.0 kg	548.9 x 354.5 x 47.5 mm; 4.7 kg	548.9 x 354.5 x 47.5 mm; 6.1 kg	

#### INTERFACES

#### FEATURES

Operating controls:	Remote Control			
Functions:	Contrast, brightness, pre-programmed colour temperatures, colour weighting, OSD (position, display interval)			
Playerboard:	182VG			
Video formats:	MPEG, MPG, MPEG2-TS, H264-TS, MPEG2-PS, AVI, MP4, RMVB, RM, MKV, AVI (1.0, 2.0), DMF (0.1.2), Motion JPEG (AVI, MOV)			
PRICE IN €	375	390	390	405









MIKKA MK270XP

MIKKA MK270XPG

MIKKA MK270XPF

MIKKA MK270XPGF

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA Public Displays provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	27" Public Display	27" Public Display, Glass	27" Public Display, Frame Lip	27" Public Display, Glass, Frame Lip		
Resolution:	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9				
Pixel distance:	0.311 (H) x 0.311 (V) mm					
Screen diagonal/ - area:	68.6 cm / (W x H): 597.6 x 336.2	mm				
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	3000:1	3000:1				
Brightness:	300 cd/m2	300 cd/m2				
Response time:	12 ms	12 ms				
Power supply:	12V DC / external power adapter	,				
Power consumption:	< 32W					
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	632.5 x 370.7 x 44.5 mm; 4.7 kg	632.5 x 370.7 x 47.0 mm; 4.8 kg	632.5 x 370.7 x 44.5 mm; 7.2 kg	632.5 x 370.7 x 47.0 mm; 7.3 kg		

#### INTERFACES

#### FEATURES

Operating controls:	Remote Control			
Functions:	Contrast, brightness, pre-programmed colour temperatures, colour weighting, OSD (position, display interval)			
Playerboard:	182VG			
Video formats:	MPEG, MPG, MPEG2-TS, H264-TS, MPEG2-PS, AVI, MP4, RMVB, RM, MKV, AVI (1.0, 2.0), DMF (0.1.2), Motion JPEG (AVI, MOV)			
DDICE IN C				
PRICE IN €	385	400	400	415













MIKKA MK133XPGS

MIKKA MK133XPAGS

MIKKA MK170PGS

MIKKA MK170PAGS

MIKKA MK190XPGS

MIKKA MK190XPAGS

#### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA Public Displays provide additional peace of mind.





#### DISPLAY PROPERTIES

Туре:	13.3" Public Display, Glass	13.3" Public Display, Anti Glare, Glass	17" Public Display, Glass	17" Public Display, Anti Glare, Glass	19" Public Display, Glass	19" Public Display, Anti Glare, Glass
Resolution:	1920 x 1080 (FullHD) 16:9	1920 x 1080 (FullHD) 16:9	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4	1280 x 1024 (SXGA) 5:4
Pixel distance:	0.1529 (H) x 0.1529 (V) mm	0.1529 (H) x 0.1529 (V) mm	0.264 (H) x 0.264 (V) mm	0.264 (H) x 0.264 (V) mm	0.0976 (H) x 0.2928 (V) mm	0.0976 (H) x 0.2928 (V) mm
Screen diagonal/ - area:	33.7 cm / (W x H): 293.76 x 165.24 mm	33.7 cm / (W x H): 293.76 x 165.24 mm	43.3 cm / (W x H): 337.92 x 270.34 mm	43.3 cm / (W x H): 337.92 x 270.34 mm	48 cm / (W x H): 374.8 x 299.8 mm	48 cm / (W x H): 374.8 x 299.8 mm
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 5): 178° / 170°	H, V (CR ≥ 5): 178° / 170°	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°
Contrast (static):	700:1	700:1	1000:1	1000:1	1000:1	1000:1
Brightness:	350 cd/m2	350 cd/m2	250 cd/m2	250 cd/m2	250 cd/m2	250 cd/m2
Response time:	11 ms	11 ms	5 ms	5 ms	14 ms	14 ms
Power supply:	12V DC / external power adapter					
Power consumption:	< 12W	< 12W	< 15W	< 15W	< 17W	< 17W
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	324.1 x 207.8 x 35.1 mm; 1.35 kg	324.1 x 207.8 x 35.1 mm; 1.35 kg	365.73 x 306.81 x 48.31 mm; 3.1 kg	365.73 x 306.81 x 48.31 mm; 3.1 kg	404.63 x 339.17 x 48.36 mm; 3.7 kg	404.63 x 339.17 x 48.36 mm; 3.7 kg

#### INTERFACES

#### FEATURES

Operating controls:	Remote Control					
Functions:	Contrast, brightness	Contrast, brightness, pre-programmed colour temperatures, colour weighting, OSD (position, display interval)				
Playerboard:	182VG	182VG				
Video formats:	MPEG, MPG, MPEG2-TS, H264-TS, MPEG2-PS, AVI, MP4, RMVB, RM, MKV, AVI (1.0, 2.0), DMF (0.1.2), Motion JPEG (AVI, MOV)					
PRICE IN €	365	405	270	310	290	330













MIKKA MK215XPGS

MIKKA MK215XPAGS

MIKKA MK238XPGS

MIKKA MK238XPAGS

MIKKA MK270XPGS

MIKKA MK270XPAGS

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA Public Displays provide additional peace of mind.





### DISPLAY PROPERTIES

Type:	21.5" Public Display, Glass	21.5" Public Display, Anti Glare, Glass	23.8" Public Display, Glass 23.8" Public Display, Anti Glare, Glass		27" Public Display, Glass	27" Public Display, Anti Glare, Glass
Resolution:	1920 x 1080 (FullHD) 16:9					
Pixel distance:	0.24795 (H) x 0.24795 (V) mm	0.24795 (H) x 0.24795 (V) mm	0.2745 (H) x 0.2745 (V) mm	0.2745 (H) x 0.2745 (V) mm	0.311 (H) x 0.311 (V) mm	0.311 (H) x 0.311 (V) mm
Screen diagonal/ - area:	54.6 cm / (W x H): 476.1 x 267.8 mm	54.6 cm / (W x H): 476.1 x 267.8 mm	60.4 cm / (W x H): 527.0 x 296.5 mm	60.4 cm / (W x H): 527.0 x 296.5 mm	68.6 cm / (W x H): 597.6 x 336.2 mm	68.6 cm / (W x H): 597.6 x 336.2 mm
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	3000:1	3000:1	1000:1	1000:1	3000:1	3000:1
Brightness:	250 cd/m2	250 cd/m2	250 cd/m2	250 cd/m2	300 cd/m2	300 cd/m2
Response time:	8 ms	8 ms	14 ms	14 ms	12 ms	12 ms
Power supply:	12V DC / external power adapter					
Power consumption:	< 21W	< 21W	< 23W	< 23W	< 32W	< 32W
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	505.9 x 302.2 x 48.5 mm; 4.9 kg	505.9 x 302.2 x 48.5 mm; 4.9 kg	559.2 x 334.5 x 48.5 mm; 5.1 kg	559.2 x 334.5 x 48.5 mm; 5.1 kg	647.4 x 380.4 x 48.46 mm; 5.5 kg	647.4 x 380.4 x 48.46 mm; 5.5 kg

### INTERFACES

### FEATURES

Operating controls:	Remote Control						
Functions:	Contrast, brightness,	Contrast, brightness, pre-programmed colour temperatures, colour weighting, OSD (position, display interval)					
Playerboard:	182VG	182VG					
Video formats:	MPEG, MPG, MPEG2-TS, H264-TS, MPEG2-PS, AVI, MP4, RMVB, RM, MKV, AVI (1.0, 2.0), DMF (0.1.2), Motion JPEG (AVI, MOV)						
PRICE IN €	300	340	330	370	430	470	





MIKKA MK315XPGS

### MIKKA MK315XPAGS

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA Public Displays provide additional peace of mind.





# DISPLAY PROPERTIES

Type:	31.5" Public Display, Glass	31.5" Public Display, Anti Glare, Glass			
Resolution:	1920 x 1080 (FullHD) 16:9				
Pixel distance:	0.3637 (H) x 0.3637 (V) mm				
Screen diagonal/ - area:	80.1 cm / (W x H): 698.4 x 392.9 mm				
Max. Colour depth:	16.7 million				
Viewing angle:	H, V (CR ≥ 10): 178° / 178°				
Contrast (static):	3000:1				
Brightness:	500 cd/m2				
Response time:	8 ms				
Power supply:	12V DC / external power adapter				
Power consumption:	< 42W				
Operating environment:	±0 - +50°C ; 20 - 90% humidity				
Storage:	-20 - +60°C ; 10 - 90% humidity				
Dimensions and weight:	505.9 x 302.2 x 48.5 mm; 4.9 kg				

### INTERFACES

Inputs/outputs:	2 x USB, Audio Out, IR-Led
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### FEATURES

Operating controls:	Remote Control	
Functions:	Contrast, brightness, pre-programmed colour temperatures, conveighting, OSD (position, display interval)	
Playerboard:	182VG	
Video formats:	MPEG, MPG, MPEG2-TS, H264-TS, MPEG2-PS, AVI, MP4, RMVB, R MKV, AVI (1.0, 2.0), DMF (0.1.2), Motion JPEG (AVI, MOV)	М,
PRICE IN €	845 885	





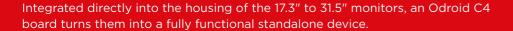
# **ALL IN ONE** MONITORS, THAT FIT.

Space is tight in the built-in design. Should your software solution really run through the monitor? In addition to the premium monitor, MIKKA AIOs also include a micro PC in the package. The best part? It is fully integrated in the monitor.

Optionally with Raspberry or Odroid Board, the MIKKA AIO monitor runs completely independently with Android operating systems. This eliminates the space required for all PC components.

A solution for customers who have high demands on the displayed content and at the same time limited space.

# ALL IN ONE MONITORS



The single-board computer features a quad-core CPU, 4 GB of RAM and includes Gigabit Ethernet and USB 3.0 ports.

# **FEATURES**



**High Touch Precision** 



24/7 Continuous Operation



Low Heat Generation



Break-Proof



Flush Mount



High Brilliance



3 Years Warranty



Touch Through Glass



Temperature-Resistant



Low Noise



Repairable



Anti-Glare Display



Various Connections



Follow-Up Purchase Guarantee

# COMPACT AND CONVENIENT, THAT FITS.

Available in the S-Line and L-Line design lines, MIKKA All-in-One Monitors make a great impression whether installed from the front or rear, flush or with an overhanging frame.

The internal features are equally impressive: Your application operates securely and reliably on the Android Operating System.



# **S-LINE** The Flush-Mounted Monitor

Inch Size	21.5"	23.8"	27"	31.5"
Resolution	Full HD 1920 x 1080			
Ratio	16:9	16:9	16:9	16:9
Art. No.	AIO215XGS-C4-01	AIO238XMS-C4-01	AIO270XMS-C4-01	AIO315XMS-C4-01
	AIO215XMS-C4-01			
	AIO215XGS-RB-01			



# FEATURES X Extended Viewing Angle P Public Display H High Bright A Anti Glare T Singletouch M Multitouch M2 Mirror Multitouch G Glass F Frame Lip D Desktop

# COLOUR DESIGNATIONS Open Frame Monitor Touch Monitor Public Display AIO Monitor Desktop Monitor NEED HELP? Just get in touch! info@mikka.com +43 7229 23023













MIKKA A10215XGS-C4-01

MIKKA A10215XMS-C4-01

MIKKA AIO215XGS-RB-01

MIKKA A10238XMS-C4-01

MIKKA A10270XMS-C4-01

MIKKA A10315XMS-C4-01

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA All In One monitors provide additional peace of mind.





### DISPLAY PROPERTIES

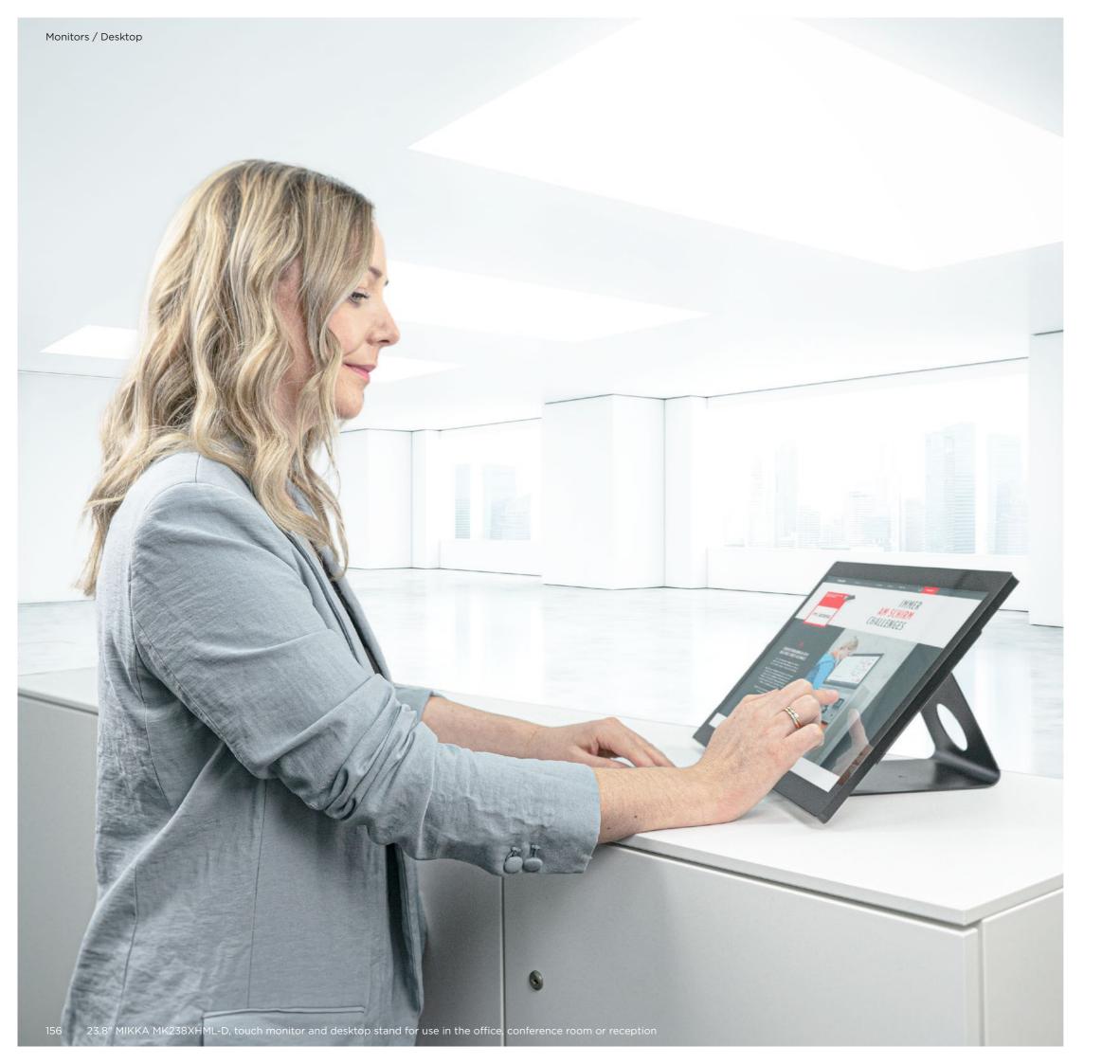
Type:	21.5" All In One, Glass	21.5" All In One, Multitouch	21.5" All In One, Glass	23.8" All In One, Multitouch	27" All In One, Multitouch	31.5" All In One, Multitouch
Resolution:	1920 x 1080 (FullHD) 16:9					
Pixel distance:	0.24795 (H) x 0.24795 (V) mm	0.24795 (H) x 0.24795 (V) mm	0.24795 (H) x 0.24795 (V) mm	0.2745 (H) x 0.2745 (V) mm	0.311 (H) x 0.311 (V) mm	0.3637 (H) x 0.3637 (V) mm
Screen diagonal/ - area:	54.6 cm / (W x H): 476.1 x 267.8 mm	54.6 cm / (W x H): 476.1 x 267.8 mm	54.6 cm / (W x H): 476.1 x 267.8 mm	60.4 cm / (W x H): 527.0 x 296.5 mm	68.6 cm / (W x H): 597.6 x 336.2 mm	80.1 cm / (W x H): 698.4 x 392.9 mm
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	3000:1	3000:1	3000:1	1000:1	3000:1	3000:1
Brightness:	250 cd/m2	250 cd/m2	250 cd/m2	1000 cd/m2	300 cd/m2	500 cd/m2
Response time:	8 ms	8 ms	8 ms	14 ms	12 ms	8 ms
Power supply:	12V DC (optional 24V) / external power adapter	12V DC / external power adapter				
Power consumption:	< 30W	< 30W	< 30W	< 30W	< 40W	< 50W
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	505.9 x 302.2 x 48.5 mm; 5.3 kg	505.9 x 302.2 x 48.5 mm; 5.3 kg	505.9 x 302.2 x 48.5 mm; 5.3 kg	559.2 x 334.5 x 48.5 mm; 5.5 kg	647.4 x 380.4 x 48.46 mm; 6 kg	747.0 x 452.0 x 57.5 mm; 10.5 kg

### INTERFACES

nputs/outputs:	Audio Out, LAN, 4xUSB
riputs/outputs.	Addio Odt, LAIN, 4X03D

### FEATURES

Operating controls:	On/Off switch, 4 buttor	On/Off switch, 4 button OSD, Auto button							
Functions:	Contrast, brightness, ve	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval)							
Touch:	-	PCAP Projected Capacitive	-	PCAP Projected Capacitive	PCAP Projected Capacitive	PCAP Projected Capacitive			
Controller:	-	EETI 10 Finger Multitouch USB	-	EETI 10 Finger Multitouch USB	EETI 10 Finger Multitouch USB	EETI 10 Finger Multitouch USB			
AIO Board:	Odroid C4	Odroid C4	Raspberry 4.1	Odroid C4	Odroid C4	Odroid C4			
PRICE IN €	415	565	565	600	665	1130			



# DESKTOP MONITORS, THAT FIT.

Looking for a stand-alone screen that doesn't just look good? Our sophisticated desktop monitors will also win you over with (touch) function, service life and repairability.

The sturdy aluminium housing can be customised in various colours to suit your company.

With a matching desktop stand, the Desktop Monitor can easily be set up on a desk. Wall mounting is also possible, however.

With clean lines and a premium housing, the MIKKA Desktop Monitor is an absolute high-end device for offices, meeting zones or trade.

# DESKTOP MONITORS

Featuring sleek lines, a premium aluminum housing and an optional desktop stand, our Desktop Monitor is a true high-end device.

The range includes sizes from 10.1" to 31.5" in screen diagonal.

Experience MIKKA's reliable quality with this product, which requires no mounting.

# **FEATURES**



**High Touch Precision** 



24/7 Continuous Operation



Low Heat Generation



Break-Proof



Anti-Glare Display



3 Years Warranty



Touch Through Glass



Temperature-Resistant



Low Noise



Repairable



High Brilliance



Follow-Up Purchase Guarantee

# UNITED DESIGN AND PERFORMANCE, THAT FITS.

A modified version of the L-Line converts this monitor from an built-in unit to a desktop device.

While the sleek aluminum frame and high-performance internal components remain the same, the desktop monitor does not require the mounting bolts used for integration.

Instead, it is optionally available with a desktop stand that attaches easily via VESA.



# **L-LINE** The monitor that's easy to integrate

Inch Size	13.3"	15.6"	17"	17.3"	19"	21.5"	23.8"	24"
Resolution	Full HD 1920 x 1080	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080	SXGA 1280 x 1024	Full HD 1920 x 1080	Full HD 1920 x 1080	WUXGA 1920 x 1200
Ratio	16:9	16:9	5:4	16:9	5:4	16:9	16:9	16:10
Art. No.	MK133XGL-D	MK156XGL-D	MK170GL-D	MK173XGL-D	MK190XGL-D	MK215XGL-D	MK238XGL-D	MK240XGL-D
	MK133XAGL-D	MK156XAGL-D	MK170AGL-D	MK173XAGL-D	MK190XAGL-D	MK215XAGL-D	MK238XAGL-D	MK240XAGL-D
	MK133XML-D	MK156XHGL-D	MK170ML-D	MK173XML-D	MK190XML-D	MK215XHGL-D	MK238XHGL-D	MK240XML-D
	MK133XAML-D	MK156XHAGL-D	MK170AML-D	MK173XAML-D	MK190XAML-D	MK215XHAGL-D	MK238XHAGL-D	MK240XAML-D
		MK156XML-D				MK215XML-D	MK238XML-D	
		MK156XAML-D				MK215XAML-D	MK238XAML-D	
		MK156XHML-D				MK215XHML-D	MK238XHML-D	
		MK156XHAML-D				MK215XHAML-D	MK238XHAML-D	



# FEATURES X Extended Viewing Angle P Public Display H High Bright A Anti Glare T Singletouch M Multitouch M2 Mirror Multitouch G Glass F Frame Lip D Desktop

# Open Frame Monitor Touch Monitor Public Display AIO Monitor Desktop Monitor NEED HELP? Just get in touch! info@mikka.com +43 7229 23023









MIKKA MK133XGL-D

MIKKA MK133XAGL-D

MIKKA MK133XML-D

MIKKA MK133XAML-D

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA desktop monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Туре:	13.3" Desktop, Glass	13.3" Desktop, Anti Glare, Glass	13.3" Desktop, Multitouch	13.3" Desktop, Multitouch, Anti Glare				
Resolution:	1920 x 1080 (FullHD) 16:9							
Pixel distance:	0.1529 (H) x 0.1529 (V) mm							
Screen diagonal/ - area:	33.7 cm / (W x H): 293.76 x 165	5.24 mm						
Max. Colour depth:	16.7 million							
Viewing angle:	H, V (CR ≥ 10): 178° / 178°	H, V (CR ≥ 10): 178° / 178°						
Contrast (static):	700:1							
Brightness:	350 cd/m2							
Response time:	11 ms							
Power supply:	12V DC (optional 24V) / extern	nal power adapter						
Power consumption:	< 12W							
Operating environment:	±0 - +50°C ; 20 - 90% humidity	у						
Storage:	-20 - +60°C ; 10 - 90% humidit	у						
Dimensions and weight:	326.2 x 209.9 x 29.15 mm; 1.0 k	g						

### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB
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### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button			
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source			
Touch:	-	-	PCAP Projected Capacitive	PCAP Projected Capacitive
Controller:	-	-	EETI 10 Finger Multitouch USB (HID device)	EETI 10 Finger Multitouch USB (HID device)
PRICE IN €	335	375	435	475









MIKKA MK156XGL-D

MIKKA MK156XAGL-D

MIKKA MK156XHGL-D

MIKKA MK156XXAGL-D

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA desktop monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Туре:	15.6" Desktop, Glass	15.6" Desktop, Anti Glare, Glass	15.6" Desktop, High Bright, Glass	15.6" Desktop, High Bright, Anti Glare, Glass	
Physical resolution:	1920 x 1080 (FullHD) 16:9				
Pixel distance:	0.17925 (H) x 0.17925 (V) mm				
Screen diagonal/ - area:	39.5 cm / (W x H): 344.16 x 193.5	9 mm			
Max. Colour depth:	16.7 million				
Viewing angle:	H, V (CR ≥ 10): 178° / 178°				
Contrast (static):	800:1	800:1	1000:1	1000:1	
Brightness:	300 cd/m2	300 cd/m2	1000 cd/m2	1000 cd/m2	
Response time:	14 ms	14 ms	25 ms	25 ms	
Power supply:	12V DC (optional 24V) / external	power adapter			
Power consumption:	< 8W	< 8W	< 23W	< 23W	
Operating environment:	±0 - +50°C ; 20 - 90% humidity				
Storage:	-20 - +60°C ; 10 - 90% humidity				
Dimensions and weight:	374 x 236 x 29.2 mm; 1.25 kg	374 x 236 x 29.2 mm; 1.25 kg	374 x 236 x 32.95 mm; 1.45 kg	374 x 236 x 32.95 mm; 1.45 kg	

### INTERFACES

|--|

### FEATURES

Operating controls:	On/Off switch, 4	On/Off switch, 4 button OSD, Auto button				
Functions:		Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source				
Touch:	-					
Controller:	-					
PRICE IN €	345	385	565	605		









MIKKA MK156XML-D

MIKKA MK156XAML-D

MIKKA MK156XHML-D

MIKKA MK156XHAML-D

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA desktop monitors provide additional peace of mind.





### DISPLAY PROPERTIES

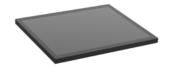
Туре:	15.6" Desktop, Multitouch	15.6" Desktop, Anti Glare, Multitouch	15.6" Desktop, High Bright, Multitouch	15.6" Desktop, High Bright, Anti Glare Multitouch	
Resolution:	1920 x 1080 (FullHD) 16:9				
Pixel distance:	0.17925 (H) x 0.17925 (V) mm				
Screen diagonal/ - area:	39.5 cm / (W x H): 344.16 x 193.5	9 mm			
Max. Colour depth:	16.7 million				
Viewing angle:	H, V (CR ≥ 10): 178° / 178°				
Contrast (static):	800:1	800:1	1000:1	1000:1	
Brightness:	300 cd/m2	300 cd/m2	1000 cd/m2	1000 cd/m2	
Response time:	14 ms	14 ms	25 ms	25 ms	
Power supply:	12V DC (optional 24V) / external	power adapter			
Power consumption:	< 8W	< 8W	< 23W	< 23W	
Operating environment:	±0 - +50°C ; 20 - 90% humidity				
Storage:	-20 - +60°C ; 10 - 90% humidity				
Dimensions and weight:	374 x 236 x 29.2 mm; 1.25 kg	374 x 236 x 29.2 mm; 1.25 kg	374 x 236 x 32.95 mm; 1.45 kg	374 x 236 x 32.95 mm; 1.45 kg	

### INTERFACES

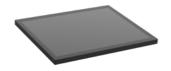
Inputs/outputs:
-----------------

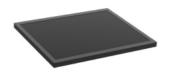
### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button			
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source			
Touch:	PCAP Projected Capacitive			
Controller:	EETI 10 Finger Multitouch USB (HID device)			
PRICE IN €	445	485	665	705









MIKKA MK170GL-D

MIKKA MK170AGL-D

MIKKA MK170ML-D

MIKKA MK170AML-D

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA desktop monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Type:	17" Desktop, Glass	17" Desktop, Anti Glare, Glass	17" Desktop, Multitouch	17" Desktop, Anti Glare, Multitouch	
Resolution:	1280 x 1024 (SXGA) 5:4				
Pixel distance:	0.264 (H) x 0.264 (V) mm				
Screen diagonal/ - area:	43.3 cm / (W x H): 337.92 x 270	).34 mm			
Max. Colour depth:	16.7 million				
Viewing angle:	H, V (CR ≥ 5): 178° / 170°				
Contrast (static):	1000:1				
Brightness:	250 cd/m2				
Response time:	5 ms				
Power supply:	12V DC (optional 24V) / externa	al power adapter			
Power consumption:	< 15W				
Operating environment:	±0 - +50°C ; 20 - 90% humidity				
Storage:	-20 - +60°C ; 10 - 90% humidity				
Dimensions and weight:	366.33 x 307.36 x 37.1 mm; 3.1 kg	9			

### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out / USB
-----------------	---

### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button				
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source				
Touch:	-	-	PCAP Projected Capacitive	PCAP Projected Capacitive	
Controller:	-	-	EETI 10 Finger Multitouch USB (HID device)	EETI 10 Finger Multitouch USB (HID device)	
PRICE IN €	325	365	425	465	









MIKKA MK173XGL-D

MIKKA MK173XAGL-D

MIKKA MK173XML-D

MIKKA MK173XAML-D

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA desktop monitors provide additional peace of mind.





### DISPLAY PROPERTIES

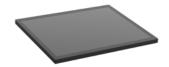
Туре:	17.3" Desktop, Glass	17.3" Desktop, Anti Glare, Glass	17.3" Desktop, Multitouch	17.3" Desktop, Anti Glare, Multitouch	
Resolution:	1920 x 1080 (FullHD) 16:9				
Pixel distance:	0.1989 (H) x 0.1989 (V) mm				
Screen diagonal/ - area:	43.8 cm / (W x H): 381.89 x 214.8	81 mm			
Max. Colour depth:	16.7 million				
Viewing angle:	H, V (CR ≥ 10): 178° / 178°				
Contrast (static):	700:1				
Brightness:	300 cd/m2				
Response time:	14 ms				
Power supply:	12V DC (optional 24V) / external power adapter				
Power consumption:	< 12W				
Operating environment:	±0 - +50°C ; 20 - 90% humidity				
Storage:	-20 - +60°C ; 10 - 90% humidity				
Dimensions and weight:	415 x 262 x 29.55 mm; 1.75 kg				

### INTERFACES

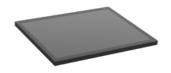
Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out
-----------------	-----------------------------------

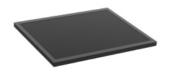
### FEATURES

Operating controls:	On/Off switch, 4 bu	On/Off switch, 4 button OSD, Auto button					
Functions:	·	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source					
Touch:	-	-	PCAP Projected Capacitive	PCAP Projected Capacitive			
Controller:	-	-	EETI 10 Finger Multitouch USB (HID device)	EETI 10 Finger Multitouch USB (HID device)			
PRICE IN €	355	395	455	495			









MIKKA MK190XGL-D

MIKKA MK190XAGL-D

MIKKA MK190XML-D

MIKKA MK190XAML-D

19" Desktop, Anti Glare,

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA desktop monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Туре:	19" Desktop, Glass	19" Desktop, Anti Glare, Glass	19" Desktop, Multitouch	19" Desktop, Anti Glare, Multitouch		
Resolution:	1280 x 1024 (SXGA) 5:4					
Pixel distance:	0.0976 (H) x 0.2928 (V) mm					
Screen diagonal/ - area:	48 cm / (W x H): 374.8 x 299.8	3 mm				
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	1000:1					
Brightness:	250 cd/m2					
Response time:	14 ms					
Power supply:	12V / 24V DC / external power	adapter				
Power consumption:	< 17W					
Operating environment:	±0 - +50°C ; 20 - 90% humidity	у				
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	405.24 x 339.78 x 36.4 mm; 3.8	8 kg				

### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out	
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### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button					
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source					
Touch:	-	-	PCAP Projected Capacitive	PCAP Projected Capacitive		
Controller:	-	-	EETI 10 Finger Multitouch USB (HID device)	EETI 10 Finger Multitouch USB (HID device)		
PRICE IN €	345	385	445	485		









MIKKA MK215XGL-D

MIKKA MK215XAGL-D

MIKKA MK215XHGL-D

MIKKA MK215XHAGL-D

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA desktop monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Туре:	21.5" Desktop, Glass	21.5" Desktop, Anti Glare, Glass	21.5" Desktop, High Bright, Glass	21.5" Desktop, High Bright, Anti Glare, Glass		
Resolution:	1920 x 1080 (FullHD) 16:9					
Pixel distance:	0.24795 (H) x 0.24795 (V) mm					
Screen diagonal/ - area:	54.6 cm / (W x H): 476.1 x 267.8 r	nm				
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	3000:1					
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2		
Response time:	8 ms					
Power supply:	12V DC (optional 24V) / external	power adapter				
Power consumption:	< 21W	< 21W	< 46W	< 46W		
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	506.46 x 303.06 x 38.1 mm; 4.3 k	9				

### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out	
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### FEATURES

Operating controls:	On/Off switch, 4	On/Off switch, 4 button OSD, Auto button						
Functions:	·	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source						
Touch:	-							
Controller:	-							
PRICE IN €	395	435	545	585				









MIKKA MK215XML-D

MIKKA MK215XAML-D

MIKKA MK215XHML-D

MIKKA MK215XHAML-D

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA desktop monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Туре:	21.5" desktop, Multitouch	21.5" Desktop, Anti Glare, Multitouch	21.5" Desktop, High Bright, Multitouch	21.5" Desktop, High Bright, Anti Glare, Multitouch		
Resolution:	1920 x 1080 (FullHD) 16:9					
Pixel distance:	0.24795 (H) x 0.24795 (V) mm					
Screen diagonal/ - area:	54.6 cm / (W x H): 476.1 x 267.8 m	nm				
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	3000:1					
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2		
Response time:	8 ms					
Power supply:	12V DC (optional 24V) / external p	power adapter				
Power consumption:	< 21W	< 21W	< 46W	< 46W		
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	506.46 x 303.06 x 38.1 mm; 4.3 kg					

### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out	
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### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button						
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source						
Touch:	PCAP Projected Capacitive						
Controller:	EETI 10 Finger Multitouch USB (HID device)						
PRICE IN €	495	535	645	685			









MIKKA MK238XGL-D

MIKKA MK238XAGL-D

MIKKA MK238XHGL-D

MIKKA MK238XHAGL-D

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA desktop monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Type:	23.8" Desktop, Glass	23.8" Desktop, Anti Glare, Glass	23.8" Desktop, High Bright, Glass	23.8" Desktop, High Bright, Anti Glare, Glass		
Resolution:	1920 x 1080 (FullHD) 16:9					
Pixel distance:	0.2745 (H) x 0.2745 (V) mm					
Screen diagonal/ - area:	60.4 cm / (W x H): 527.0 x 296.5	mm				
Max. Colour depth:	16.7 million					
Viewing angle:	H, V (CR ≥ 10): 178° / 178°					
Contrast (static):	1000:1					
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2		
Response time:	14 ms					
Power supply:	12V DC (optional 24V) / external	power adapter				
Power consumption:	< 24W	< 24W	< 46W	< 46W		
Operating environment:	±0 - +50°C ; 20 - 90% humidity					
Storage:	-20 - +60°C ; 10 - 90% humidity					
Dimensions and weight:	560.1 x 335.5 x 38.2 mm; 4.5 kg					

### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out	
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### FEATURES

Operating controls:	On/Off switch, 4 button OSD, Auto button
Functions:	Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source
Touch:	-
Controller:	-

PRICE IN € 505 545 635 675

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# **PRODUCTFEATURES**









MIKKA MK238XML-D

MIKKA MK238XAML-D

MIKKA MK238XHML-D

MIKKA MK238XHAML-D

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA desktop monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Туре:	23.8" Desktop, Multitouch	23.8" Desktop, Anti Glare, Multitouch	23.8" Desktop, High Bright, Multitouch	23.8" Desktop, High Bright, Anti Glare, Multitouch
Resolution:	1920 x 1080 (FullHD) 16:9			
Pixel distance:	0.2745 (H) x 0.2745 (V) mm			
Screen diagonal/ - area:	60.4 cm / (W x H): 527.0 x 296.5 i	nm		
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 10): 178° / 178°			
Contrast (static):	1000:1			
Brightness:	250 cd/m2	250 cd/m2	1000 cd/m2	1000 cd/m2
Response time:	14 ms			
Power supply:	12V DC (optional 24V) / external power adapter			
Power consumption:	< 24W	< 24W	< 46W	< 46W
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	560.1 x 335.5 x 38.2 mm; 4.5 kg			

### INTERFACES

Inputs/outputs: VGA / DVI / HDMI / DP / Audio out
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### FEATURES

Operating controls:	On/Off switch, 4 k	outton OSD, Auto button			
Functions:		Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source			
Touch:	PCAP Projected C	apacitive			
Controller:	EETI 10 Finger Mu	Ititouch USB (HID device)			
PRICE IN €	605	645	755	795	









MIKKA MK240XGL-D

MIKKA MK240XAGL-D

MIKKA MK240XML-D

MIKKA MK238XAML-D

### QUICK INFO

With a 3-year warranty and onsite replacement service, all MIKKA desktop monitors provide additional peace of mind.





### DISPLAY PROPERTIES

Туре:	24" Desktop, Glass	24" Desktop, Anti Glare, Glass	24" Desktop, Multitouch	24" Desktop, Anti Glare, Multitouch
Resolution:	1920 x 1200 (WUXGA) 16:10			
Pixel distance:	0.270 (H) x 0.270 (V) mm			
Screen diagonal/ - area:	61.13 cm / (W x H): 518.4 x 324.0	mm		
Max. Colour depth:	16.7 million			
Viewing angle:	H, V (CR ≥ 10): 178° / 178°			
Contrast (static):	1000:1			
Brightness:	300 cd/m2			
Response time:	14 ms			
Power supply:	12V DC (optional 24V) / external	power adapter		
Power consumption:	< 22W			
Operating environment:	±0 - +50°C ; 20 - 90% humidity			
Storage:	-20 - +60°C ; 10 - 90% humidity			
Dimensions and weight:	564.6 x 370.2 x 38.9 mm; 4.6 kg			

### INTERFACES

Inputs/outputs:	VGA / DVI / HDMI / DP / Audio out	
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### FEATURES

PRICE IN €	625	665	725	765	
Controller:	-		EETI 10 Finger Multitouch USB (HID device)	EETI 10 Finger Multitouch USB (HID device)	
Touch:	-	-	PCAP Projected Capacitive	PCAP Projected Capacitive	
Functions:		Contrast, brightness, vertical and horizontal image position, phase, pixel clock, 1 user, 2 pre-programmed colour temperatures, colour weighting, OSD (position, display interval), input source			
Operating controls:	On/Off switch, 4 bu	utton OSD, Auto button			



# COMPONENTS, THAT FIT.

As an Austrian monitor manufacturer, we prioritize the exceptional quality of the components we use.

Thanks to our strong business partnerships with industry-leading suppliers, we can provide our customers with reliable and advantageous sourcing of all components, including panels, touch solutions and display controller boards.

In addition to our standard product range, we also collaborate with manufacturers to accommodate special customer requests.



With a wide range of panels from all leading manufacturers, you can create an ideal display solution.

Select from different screen sizes and features or contact us for a product, customized to your specific requirements.

# **PORTFOLIO**

In our standard product range, you will find screen diagonals ranging from 3.5" to 55". Depending on your requirements, we also provide touch displays directly from our partners.

Choose from a wide variety of technologies, resolutions, sizes, and interfaces.

We offer low power displays, TFT and OLED displays, in-cell and on-cell displays, high bright and anti-glare displays, as well as extended temperature ranges for outdoor applications.

No matter which panel you choose, you'll enjoy fast delivery, professional lifecycle management and comprehensive technical support - from product selection to aftersales.

For specific projects, we guarantee long-term availability with on-site inventory storage in Upper Austria.

# TFT-DISPLAYS

- TN, VA or IPS technology
- Various formats: Standard (4:3, 16:9), wide formats, ultrawide formats, round, square, etc.
- Low to very high brightness levels
- Transflective, transmissive and reflective displays
- Outdoor applications
- Low power consumption
- Displays for PID & medical applications



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panels, cover glass, sensors and controllers from all leading manufacturers.

Additionally, we provide customized configurations tailored to customer needs upon request.

# **TOUCH PANEL**

In urgent cases, you can rely on our quickly deliverable standard products. Here, the touch sensor is bonded with cover glass and optionally available with a display.

# **COVER GLASS**

Select the ideal cover glass for your application, featuring either chemical or thermal hardening, as well as organic or ceramic printing.

Various surface treatment options complete the product.

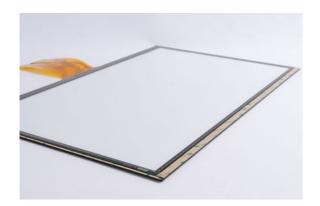
# **SENSORS**

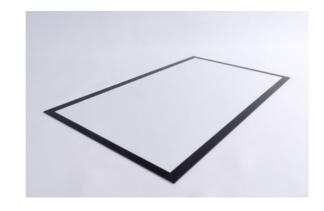
Even with sensors, it's possible to offer customized features beyond our existing range of glass and film sensors.

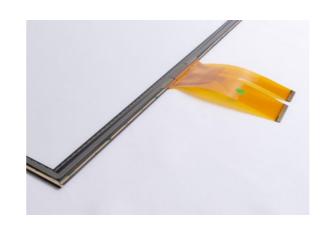
# CONTROLLER

With state-of-the-art PCAP controllers, I2C and USB protocols, our touch portfolio is complete.

Tools like the eGalaxTouchManager+ make analysis and customization easy.











Depending on the used components, the intended environment and the type of project, we choose the most suitable bonding method.

# **PROCESS**

Our most frequently used bonding methods are LOCA/OCR bonding, OCA bonding and tape bonding.

LOCA/OCR bonding is performed using liquid adhesive that cures under UV light. We primarily use it for cover glass and glass-based sensors and displays.

OCA bonding, which uses pressure-sensitive adhesive and is cured in an autoclave, is recommended for film sensors and optical filters on cover glass.

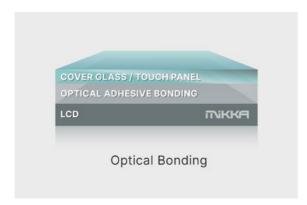
Tape bonding is also commonly used, where double-sided industrial adhesive tape is applied in strips for PCAP touch displays.

# OPTICAL BONDING

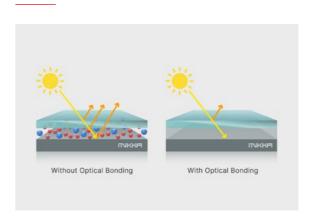
Optical bonding refers to the full-surface adhesion of display, touch and front panels made of glass or plastic, using highly transparent adhesives.

This process offers numerous advantages, such as reduced glare and reflections, increased stability, enhanced touch accuracy and greater protection against external influences.

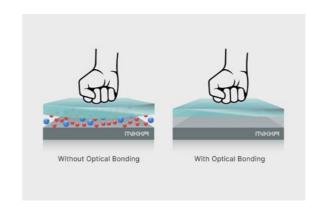
### Bonding Diagram



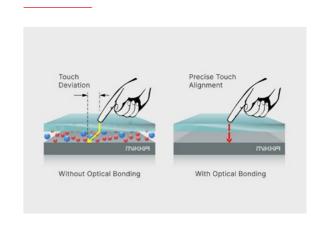
### Improved Image Quality



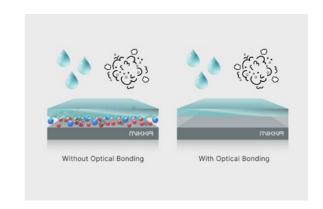
### **Increased Stability**



### **Enhanced Touch Sensitivity**



### Protection against Dust and Moisture



We have been consistently developing and refining our extensive range of display controller boards for many years.

Our portfolio includes both in-house developed display controller boards and tailored solutions that are perfectly aligned with your components and include specially adapted firmware and software.

Enjoy top-quality performance from both our standard offerings and customised solutions.

The MIKKA display controller board is equipped with a time clock that enables temperature monitoring and backlight regulation.

## MIKKA

Display Controller Boards

- Perfect for industrial use
- Various interfaces depending on the model, such as HDMI, DisplayPort, DVI, and VGA.
- Also available as a complete package, featuring all required components such as panels, touchscreens, inverters and cables.

## DISPLAY

Set Solutions

- Precisely matched components
- Seamless integration into customised monitor solutions
- Tailored firmware and software
- Comprehensive testing procedures

# **OUR PARTNERS**

For sourcing embedded boards for our All-In-One monitor line, we rely on long-standing partnerships with renowned manufacturers.

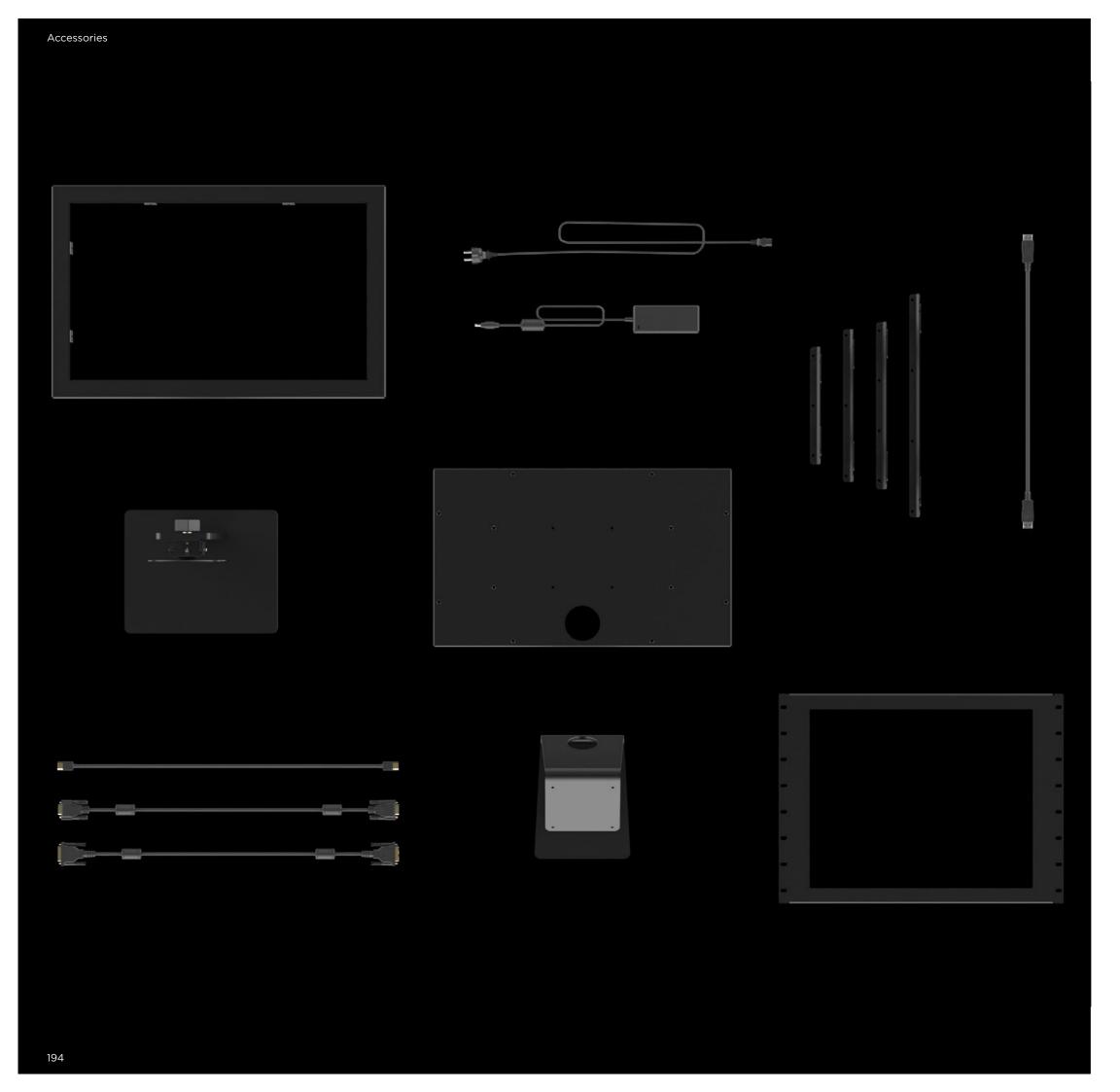
The x86 and ARM-based boards from AAEON and Hardkernel meet all needs and come in various form factors and performance levels.







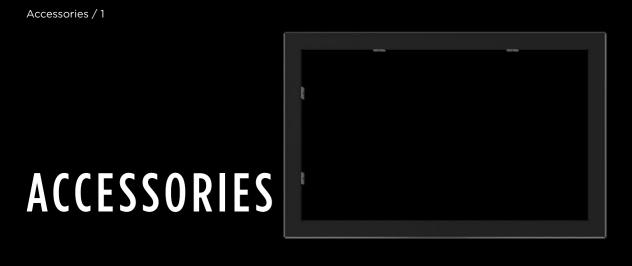


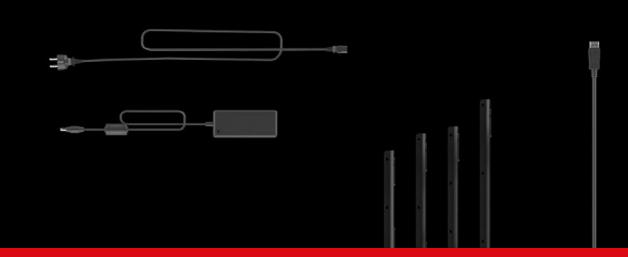


# **ACCESSORIES**



Mounting bracket	196
Power supply	196
Cable	197
Desktop Table Holder	197
Rackmount Server Kit	198
Control Cabinet Kit	198
Aluminium housing	199





Accessories for mounting, installing and operating your monitor - in the usual premium MIKKA quality.

# MOUNTING BRACKETS

For stable mounting

Our mounting brackets are perfectly matched to the design and different sizes of our monitors. This gives you a secure solution for flexible and stable installation.

# **POWER SUPPLY**

Optimal power supply

Power supplies with too little or too much wattage can affect the performance and service life of your monitor. The MIKKA 12V DC 5A power supply ensures optimal power levels for your monitor.

# **CABLES**

Reliable cable connections

With MIKKA, you get all the cables you need (VGA, HDMI, USB) in the right lengths to set up and use your monitors.

# **DESKTOP STAND**

For perfect stability

The MIKKA Desktop Stand for L-Line monitors combines sophisticated design with perfect stability for your monitor. The desktop stand is available for screen sizes from 10-17 inches.









# **ACCESSORIES**

For simple, standard installation in a control cabinet and server rack, or with a practical aluminium housing, without installation in a cabinet or rack.

# RACKMOUNT SERVER KIT

Rapid integration in the server rack

The 19" Rackmount mounting kit allows you to quickly and easily integrate your MIKKA 19" Rackmount Monitor or 19" Rackmount Touch Monitor into your server rack. The MIKKA Rackmount Server Kit comes as a complete kit including mounting screws.





# CONTROL CABINET KIT

Integration in a control cabinet

The control cabinet mounting kit for selected monitors from 13" to 27" is made of high-quality aluminium, and thanks to perfectly integrated elements it can be mounted quickly and easily in any cabinet.

The MIKKA mounting kit is supplied as a complete set (including mounting screws).

# **ALUMINIUM ENCLOSURE**

Protection against external influences

Upgrade your monitor with our aluminium enclosure. This provides protection from foreign objects and water splashes and meets the IP44 standard. On request, we will extend the protection to meet the IP64 standard against dust and water jets.

The aluminium enclosure can be used both indoors and outdoors. You also have the option of mounting on a bracket that meets the VESA standard.



### QUICK TIP

Our expertise goes well beyond the products featured in our catalogue.

Accessories

### ANY SPECIAL REQUIREMENTS?

We'll find the right solution for you!

✓ info@mikka.com. +43 7229 23023

