NEW generation of maritime Olorin monitors in the classic form factor.

USB TOUCH   MICRO USB   DC IN   AUDIO   DP   HDMI   DVI-I   CVBS   RS232   RJ45

Olorin's new **MAV** main board platform

9V to 36V

Olorin's new monitors can be connected with 9V to 36V, making them much more veristile for configurations with different DC setups.

Command & Control

Olorin's new lineup of monitors have support for RS232 command & control for easier adjustment of the dimming and settings.

HDMI & DisplayPort

The VLDxx9 lineup of monitors have support for modern video standards such as HDMI and DP, along with legacy inputs such as DVI, VGA and CVBS (BNC).

Fully featured maritime monitors with dimming and optional sunlight readable filter

Dimming

Olorin monitors are fully dimmable, this means that they keep the contrast when you decrease the brightness from 100 to 0%, keeping the helmsman's vision intact during complete darkness.

Sunlight readable

The monitors can be fitted with a Sunlight Readable filter, a polarizing screen layer which makes the monitors fully readable in strong sunlight, making important information always clearly visible.

Touch panel

Interactive touch screens are a common tool in our everyday life, Olorin monitors are designed to be easily customized with multi touch for environments where there's no room for a keyboard or mouse.

External OSD

External control for OSD and dimming, connected via RJ45 or RS232. Perfect solution for remote adjustments of monitors. Olorin's high end models have GPIO for software integration.

Mounting frames

Olorin offers a variety of mounting solutions, such as flush mounting, These are prepared with external OSD for dimming. Olorin also offers mounting arms and solid base units that can be fitted on a table or in the ceiling.

Crystal clear imaging

Olorin strive for high quality imaging and as such, use high end VA and IPS displays to secure your work environment. Olorin's 27" and 55" monitors have a color depth of 1.07 Billion, which means reliable clarity.

Picture by Picture

Olorin 27" and 55" monitors with Ultra HD resolution can output a total of four inputs at the same time with Picture in Picture. These models are also very versitile with Zoom and Profile functionality.

Varied input options

The world is going digital and Olorin is no exception, we offer advanced video monitors with DVI, DisplayPort but also CVBS (BNC) and S-video (Mini DIN) for legacy systems.

NIROLO
Professional Displays B.V.

Olorin VLD249

Olorin VLD249 is designed for specialists in maritime and other demanding environments where rugged equipment is of the utmost importance.

Excellent image quality

Olorin VLD249 features a standard Full HD resolution which makes it compatible with the majority of hardware out there.

Connectivity

Olorin VLD249 has multiple video inputs for users who want to get the most out of their monitor. It supports DisplayPort, HDMI, DVI and analog inputs such as VGA and CVBS. The monitor can also be connected to Olorin's external OSD for dimming.

Suitable for demanding environments

The monitor has a rugged construction and optional protective glass in order to be used in working environments such as maritime. Olorin VLD249 features a dimmable backlight, to make sure the operator can work even in complete darkness on the sea without having the monitor's contrast being compromised.

24" Monitor with Dimming

- 24" monitor with 1920 x 1080 resolution
- Dimming for night time operation
- Multiple video inputs for a variety of equipment

Specification

LCD Panel		
	Backlight Type	WLED
	Screen Technology	AMVA3
	Surface Treatment	Antiglare, Hard coating (3H)
	Screen Size, Diagonal	24.0"
	Screen Size, H/V	531.36 × 298.89 mm
	Aspect Ratio	16:9
	Resolution	1920 x 1080, FHD
	Color Depth	16.7M, 72% NTSC
	Contrast Ratio	5000:1 (Typ.) TM
	Luminance	300 cd/m² (Typ.)
	Viewing Angles	178 / 178 (Typ.)
	Response Time	25 ms (Typ.)
	Refresh Rate	60 Hz
Display Modes	Temperature	Cool, Neutral, Warm, User
Features	Dimming	Olorin Dimming, 0 to 100%
	Video Scaling	Full, 1:1, 4:3, 5:4, 16:9
Video Inputs	DisplayPort	DisplayPort x 1
	DVI	DVI–I 29 pin x1 (DVI-A/DVI-D)
	HDMI	HDMI x 1
	CVBS	BNC x 1
Control Inputs	Serial Command, RS-232	D-sub 9 pin x 1
	Olorin External OSD	RJ45 x 1
Touch Panel	Touch Type	N/A
	Touch Input, USB	-
	Touch Input, RS-232	-
USB	Firmware Upload	Micro USB x 1
Audio	Audio Input	Phone Jack 3.5mm x 1
	Speakers	2W x 2
Power	Power Input Type	External adapter
	Power Input Rating	100-240Vac,1.8A,50-60 Hz
	Adapter Power Output Rating	12V 4.5 A
	DC Input	9V~36V
	DC Connector	4 Pin
	Power consumption	Full Brightness: 30W Power Saving: 2.5W

Mechanical		
	Dimensions w/o Base Unit	582.07 x 350.07 x 62.5 mm
	Weight w/o Base Unit	7.4 kgs
	Housing Color	Black
	Housing Material	Plastic (PC+ABS)
	IP Rating *	IP 65 (Front bezel only)
	Mounting Standard, VESA	100 x 100 mm
	OSD Interface	Potentiometer on Right Side
	OSD Lock	Yes
	Anti Reflective Film	N/A
	Screen Protection	Glass True Flat (Optional)
	Security slot	Kensington Security Slot
	Ground bolt	Potential equalization bolt
Compliance	EU	CE (EN62368-1, EN55032/ EN55035, Rohs, WEEE)
	EU Energy efficiency class	G
Warranty	DOA	Three (3) months, max. 500 h.
	Standard	Two (2) years

Order no. **Monitor**

Order no.	Order no. Dimming Kit	Description
VLD24906	VLD24906D	Default
VLD24906GTF	VLD24906DGTF	w/ Screen Protection IP65 *

Order no. **Accessories**

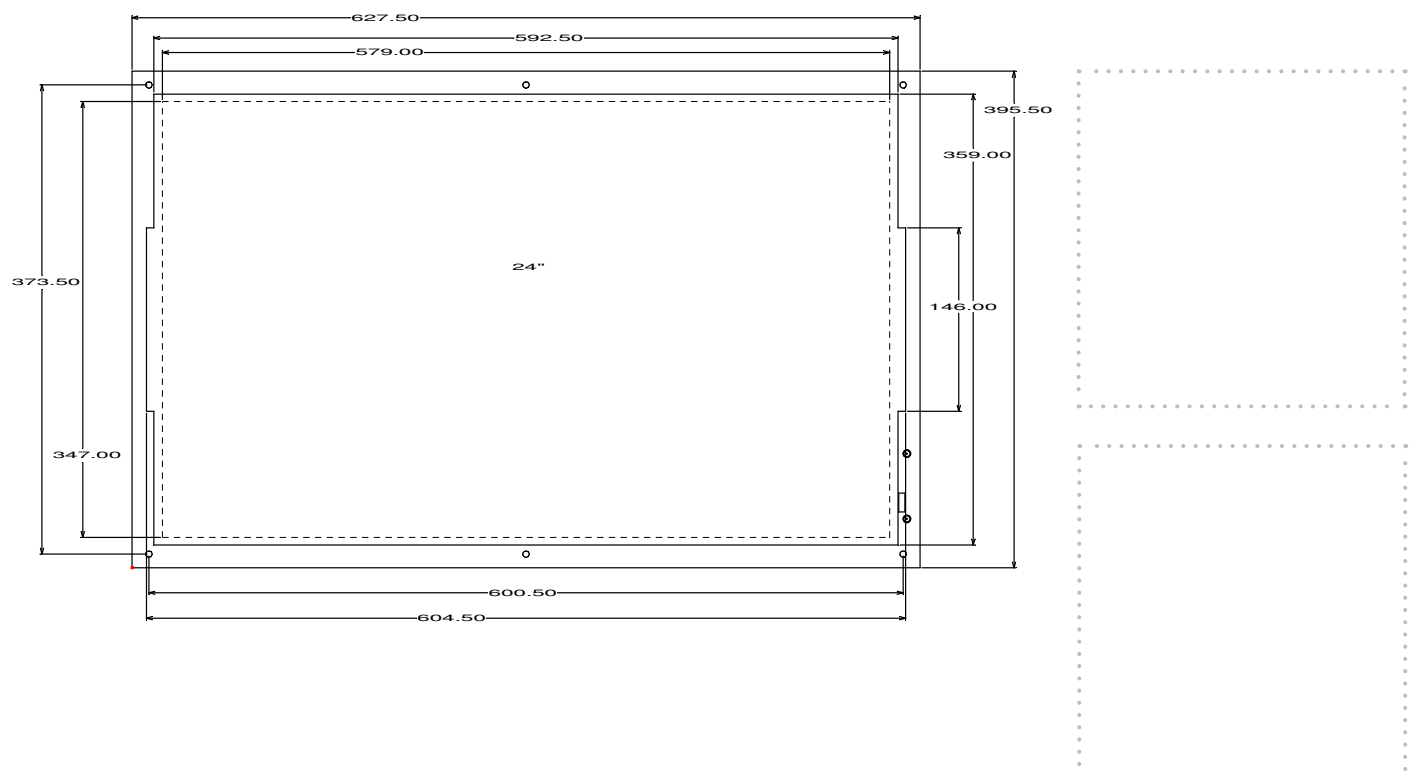| Order no.	Description
XAVLD98424	Flush mounting frame
XAVL22012	Base unit, standard desktop
XAVL98200	Multi attachment Slim
XAVL98201	Multi attachment
XAVL9850x	External OSD (1, 2 or 4 ports)
XAVL99035	DVI to VGA & DVI splitter cable
XAVL99041	12V 4-pin cable (included with Dimming Kit)

VistaLine VLD249

NIROLO
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Measurements

582.07(O.D)
533.4(GLASS OPENING)
24.34
24.59
300.9(GLASS OPENING)
350.07(O.D)
131.6
62.5
30.3
R4

24" AUO-G240HW01
Active Area: 531.36*298.89
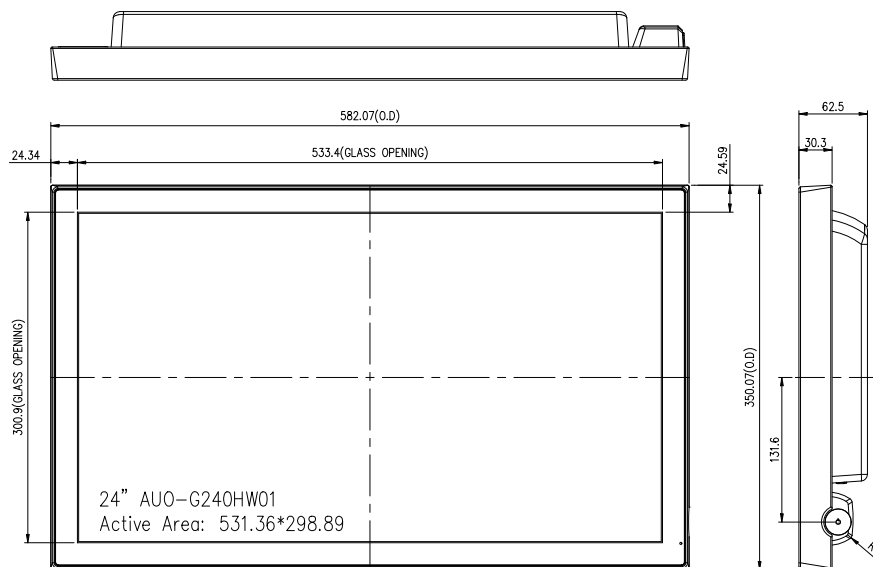
Measurements for Flush mounting frame

Order no. : **XAVLD98424**

	Outer dimensions	Cut out dimensions
Width	628 mm	593 mm
Height	396 mm	359 mm

Additional cut out for OSD circuit and back plate might be necessary.

627.50
592.50
579.00
395.50
359.00
373.50
24"
146.00
347.00
600.50
604.50

VistaLine VLG240

VLG24006GTF

Olorin VLG240 is designed for specialists in maritime and other demanding environments where rugged equipment is of the utmost importance.

Excellent image quality

Olorin VLG240 features a standard Full HD resolution which makes it compatible with the majority of hardware out there. The monitor's wide viewing angles makes it easier for several operators to view the same image at once.

Connectivity

Olorin VLG240 has multiple video inputs for users who want to get the most out of their monitor. It supports HDMI, DisplayPort, VGA and DVI. The monitor can also be connected to Olorin's external OSD for dimming, and via RS-232 for serial communication and control.

Suitable for demanding environments

The monitor has an aluminum casing and protective glass in order to be used in working environments such as maritime. Olorin VLG240 features a dimmable backlight, to make sure the operator can work even in complete darkness on the sea without having the monitor's contrast being compromised.

The monitor's VESA mount can be used to attach it to lots of different arms and base units, making the Olorin VLG240 very versatile.

Full HD Monitor for Maritime

- 23.8" monitor with 1920 x 1080 resolution
- Dimming for night time operation
- Multiple digital video inputs for a variety of equipment

Specification

LCD Panel	Backlight Type	WLED
	Screen Technology	VA
	Surface Treatment	Antiglare, Hard coating (3H)
	Screen Size, Diagonal	23.8"
	Screen Size, H/V	527.04 × 296.46 mm
	Aspect Ratio	16:9
	Resolution	1920 x 1080, FHD
	Color Depth	16.7M, 72% NTSC
	Contrast Ratio	3000 : 1 (Typ.)
	Luminance	250 cd/m² (Typ.)
	Viewing Angles	178 / 178
	Response Time	26 ms
	Refresh Rate	60 Hz
Display Modes	Gamma	1.8, 2.0, 2.2, 2.4
	Temperature	Cool, Neutral, Warm, User (RGB)
Features	Automatic Luminance Control	N/A
	Dimming	Olorin Dimming, 0 to 100 %
	Scaling	N/A
Video Inputs	DisplayPort	DisplayPort 1.2a x 1
	DVI	DVI-I Dual Link x 1
	HDMI	HDMI 1.3 Type A x 1
	VGA	D-sub 15 pin x 1
Control Inputs	Serial Command, RS-232	D-sub 9 pin x 1
	Olorin External OSD	RJ45 x 1
Touch panel	Touch Type	PCAP (Optional, project based)
Power	Power Input Type	External adapter
	Power Input Rating	100-240Vac, 50/60Hz
	Adapter Power Output Rating	24V 2.71A
	DC Input	24V
	DC Connector	4 Pin
	Power consumption	Full Brightness: 100 W Power Saving: 2 W

Mechanical	Dimensions without Base Unit	584.8 x 365.2 x 53 mm
	Weight without Base Unit	5.47 Kgs
	Housing Color	Black
	Housing Material	Aluminum
	IP Rating	IP 65 in front
	Mounting Standard, VESA	100 x 100 mm, 200 x 100 mm
	LED Indicator	Green: ON Orange: Stand-by
	OSD Interface	Sensor Keys on Front Bezel
	OSD Sensor Keys	Menu, Up, Down, Power
	Anti Reflective Film	N/A
	Screen Protection, glass	AG 100, 1.8 mm
	Security slot	N/A
	Ground bolt	Potential equalization bolt
Compliance	EU	CE(EN 55032/EN 55024/ EN 61000-3-2/EN 61000-3-3)
Warranty	DOA	Three (3) months, max. 500 h.
	Standard	Two (2) years

Order no. Monitor

Part no.	Item
VLG24006GTF	Monitor with protective glass, without base unit

Order no. Accessories

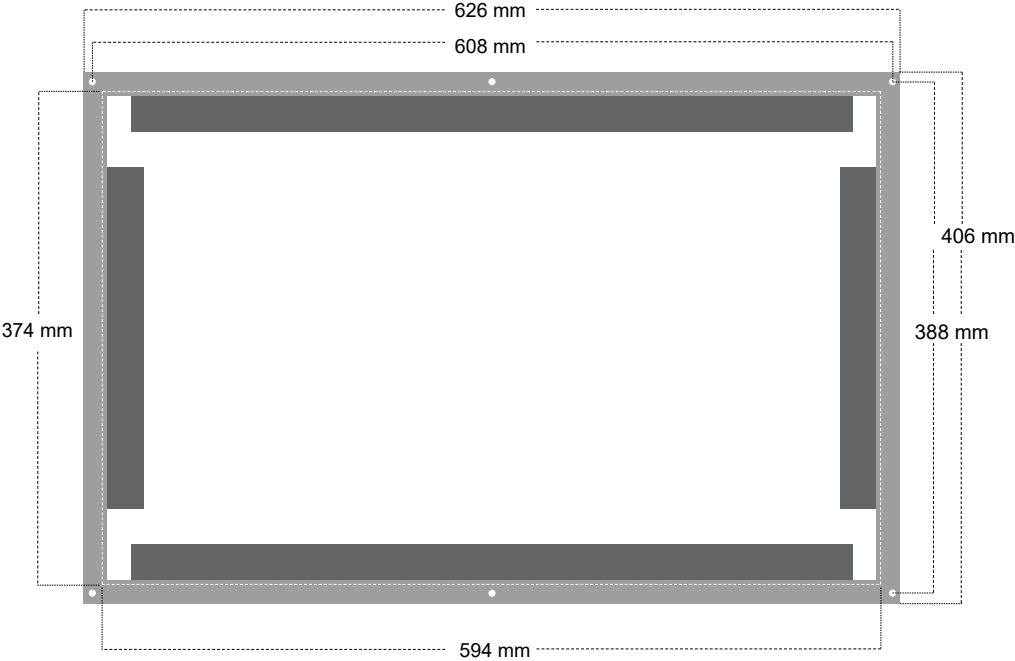| Order no.	Item
XAVL24012	Desktop Base unit
XAVLG98424	Mounting frame
XAVL98202	Multi attachment Wide, robust mounting solution for marine
XAVL98501	External OSD (1 port.)
XAVL98502	External OSD (2 port.)
XAVL98504	External OSD (4 ports.)

VistaLine VLG240

NIROLO
Professional Displays B.V.

VLG24006GTF

584.8

528.5(DISPLAY AREA)

R17.5-4

53.0

26.0

298.0(DISPLAY AREA)

365.2

189.6
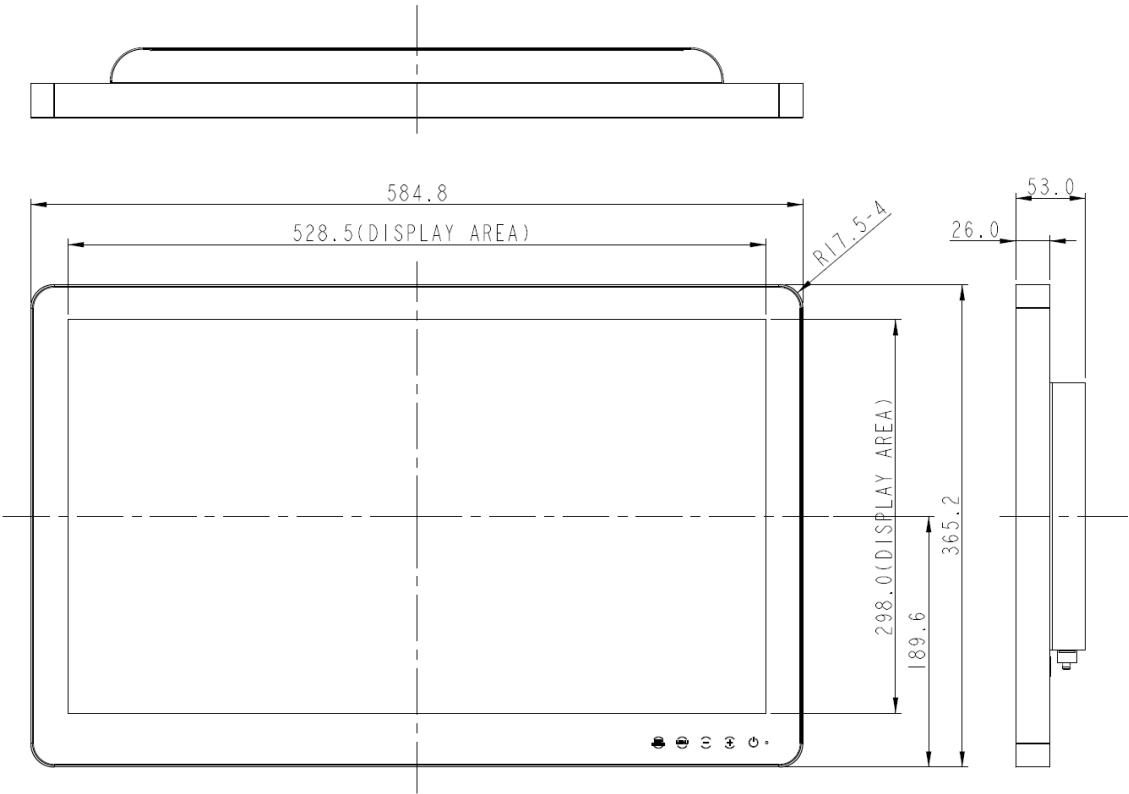
Measurements for Flush mounting frame

Order no. : **XAVLG98424**

	Outer dimensions	Cut out dimensions
Width	626 mm	594 mm
Height	406 mm	374 mm

626 mm

608 mm

406 mm

374 mm

388 mm

594 mm

Olorin ML270G

NIROLO Professional Displays B.V.

Olorin ML270G is designed for specialists, with its high resolution 4K display and excellent color reproduction it is suitable for demanding applications, such as on the bridge of a fishing vessel.

Excellent image quality

Olorin ML270G features a standard 4K UHD resolution suitable for working environments. The monitor's wide viewing angles makes it easier for multiple operators to see the same image without distortions and its deep color reproduction should satisfy any professional.

Dimming

The monitor features a dimmable backlight, to make sure the operator can work even in complete darkness on the sea without having the monitor's contrast be compromized.

Connectivity

Olorin ML270G's has multiple video inputs for users who want to get the most out of their monitor. The monitor supports 4x DVI, 2x DisplayPort and 1x VGA.

Picture-in-Picture, Picture-by-Picture and Picture-on-Picture is suported so that you can show multiple sources at the same time. For easy operation, you can use a one button solution to switch between different inputs and PiP modes. If you have multiple uses for the monitor, you can also save different profiles to its memory and quickly load for a variety of applications.

The monitor also supports Olorin's External OSD for remote control.

4K Ultra HD monitor with dimming

- 27" monitor with 3840 x 2160 resolution
- Dimming for night time operation
- Wide color gamut and viewing angles for optimal quality

Specification

LCD Panel	Backlight Type	WLED
	Screen Technology	AHVA
	Surface Treatment	Antiglare, Hard coating (3H)
	Screen Size, Diagonal	27.0"
	Screen Size, H/V	596.16 × 335.34 mm
	Aspect Ratio	16:9
	Resolution	3840 x 2160, UHD
	Color Depth	1.07B, 100% sRGB
	Contrast Ratio	1000 : 1 (Typ.) (TM)
	Luminance	300 cd/m² (Typ.)
	Viewing Angles	178 / 178
	Response Time	12 ms (G to G)
	Refresh Rate	60 Hz
Display Modes	DICOM	DICOM Preset
	Gamma	1.8, 2.0, 2.2, 2.4
	ITU-R Recommendation	BT.709, BT.1886, BT.2020
	Temperature	Cool, Neutral, Warm, User (RGB)
	Automatic Luminance Control	N/A
Features	Dimming	Olorin Dimming, 0 to 100%
	Picture-in-Picture, PbP, PoP	PiP, PbP2, PbP3, PbP4, PoP
	Video Scaling	Full, Original, 1:1
Video Inputs	DisplayPort	DisplayPort 1.2a x 2
	DVI	DVI-I Dual Link x 4 (HDMI 1.4 Compliant)
	VGA	D-sub 15 pin x 1
Control Inputs	Serial Command, RS-232	D-sub 9 pin x 1
	Olorin External OSD	RJ45 x 1
USB	USB Downstream	USB Type A x 2
	USB Upstream	USB Type B x 1

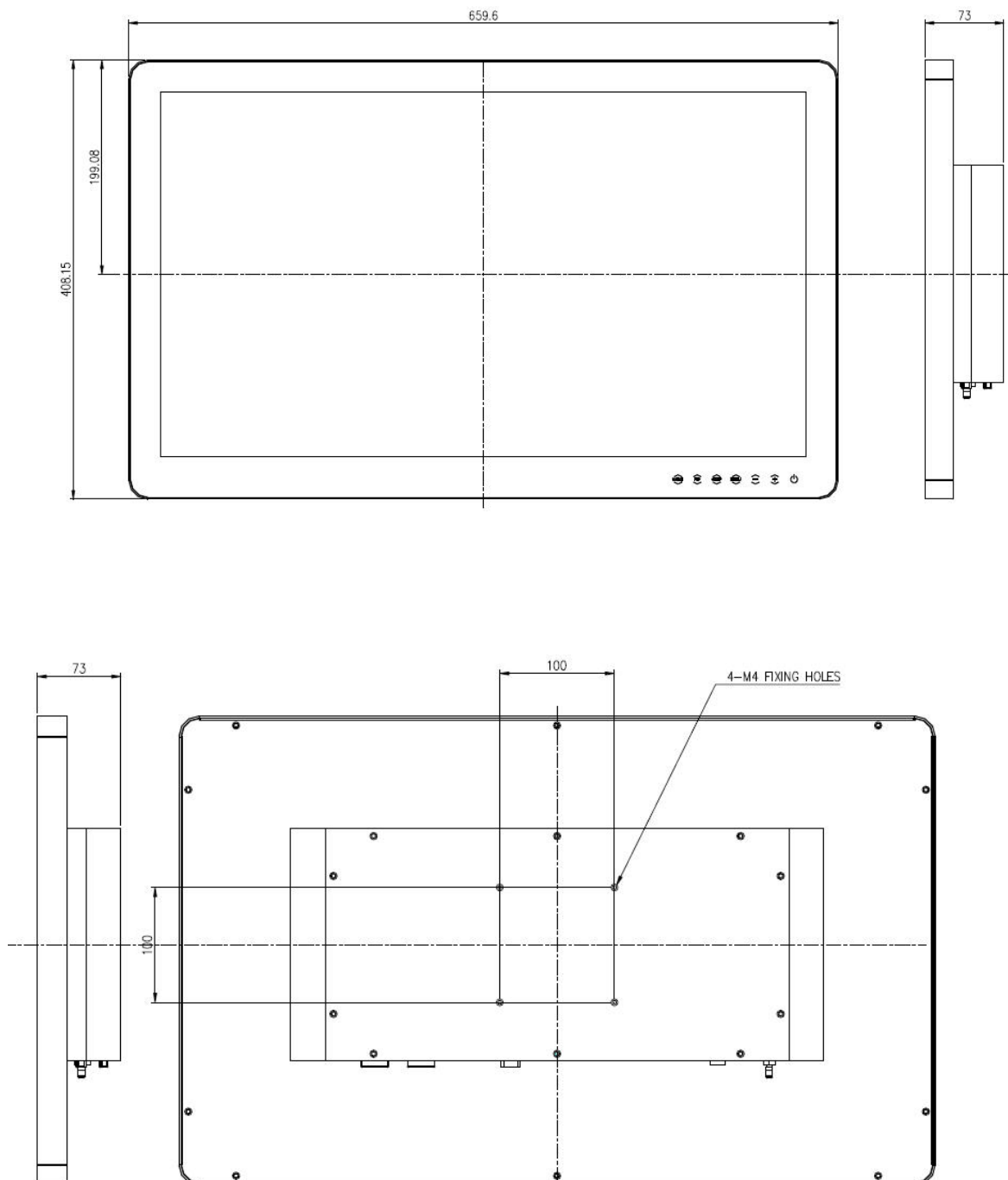| Power	Power Input Type	External adapter
	Power Input Rating	100-240Vac, 50-60Hz, 1.75-0.78A
	Adapter Power Output Rating	24V 3.75A
	Power consumption	Full Brightness: 70 W Power Saving: 10 W
Mechanical	Dimensions without Base Unit	659.6mm x 408.15mm x 73mm
	Weight without Base Unit	9 (Approx) Kgs
	Housing Color	Black
	Housing Material	Aluminum
	IP Rating	
	Mounting Standard, VESA	100 x 100 mm
	OSD Interface	Sensor Keys on Front Bezel
	Anti Reflective Film	N/A
	Screen Protection	AG 80, 1.8 mm
	Security slot	N/A
	Ground bolt	Potential equalization bolt
Compliance	EU	CE (EN60601-1:2006 + A11:2011 + A1:2013, EN60601-1-2:2015)
Warranty	DOA	Three (3) months, max. 500 h.
	Standard	Two (2) years

Order no. Monitor

Part no.	Item
ML27026D	Monitor, w/o base unit

Order no. Accessories

Order no.	Item
XAVL24012	Desktop base unit
XAVL98202	Multi attachement, Wide
XAVL98501	External OSD (1 port)
XAVL98502	External OSD (2 ports)
XAVL98504	External OSD (4 ports)

Olorin ML270G

NIROLO
Professional Displays B.V.

Measurements

Olorin ML550G

NIROLO
Professional Displays B.V.

Olorin ML550G is designed for specialists, with its high resolution 4K display and excellent color reproduction it is suitable for demanding applications, such as on the bridge of a fishing vessel.

Excellent image quality

Olorin ML550G features a standard 4K UHD resolution suitable for working environments. The monitor's wide viewing angles makes it easier for multiple operators to see the same image without distortions and its deep color reproduction should satisfy any professional.

Dimming

The monitor features a dimmable backlight, to make sure the operator can work even in complete darkness on the sea without having the monitor's contrast be compromized.

Connectivity

Olorin ML550G has multiple video inputs for users who want to get the most out of their monitor. The monitor supports 4x DVI, 2x DisplayPort and 1x VGA.

Picture-in-Picture, Picture-by-Picture and Picture-on-Picture is suported so that you can show multiple sources at the same time. For easy operation, you can use a one button solution to switch between different inputs and PiP modes. If you have multiple uses for the monitor, you can also save different profiles to its memory and quickly load for a variety of applications.

The monitor also supports RS232 and Olorin's External OSD for remote control.

4K Ultra HD monitor with dimming

- 55" monitor with 3840 x 2160 resolution
- Dimming for night time operation
- Wide color gamut and viewing angles for optimal quality

Specification

LCD Panel	Backlight Type	
	Screen Technology	
	Surface Treatment	Antiglare (Haze 2%)
	Screen Size, Diagonal	55.0"
	Screen Size, H/V	1209.6 × 680.4 mm
	Aspect Ratio	16:9
	Resolution	3840 x 2160, UHD
	Color Depth	1.07B, 72% sRGB
	Contrast Ratio	4000 : 1 (Typ.) (TM)
	Luminance	450 cd/m² (Typ.)
	Viewing Angles	178 / 178
	Response Time	8.5 ms (G to G)
	Refresh Rate	60 Hz
Display Modes	DICOM	DICOM Preset
	Gamma	1.8, 2.0, 2.2, 2.4
	ITU-R Recommendation	BT.709, BT.1886, BT.2020
	Temperature	Cool, Neutral, Warm, User (RGB)
Features	Dimming	Olorin Dimming, 0 to 100%
	Picture-in-Picture, PbP, PoP	PiP, PbP2, PbP3, PbP4, PoP
	Video Scaling	Full, Original, 1:1
	Zoom	Yes
Video Inputs	DisplayPort	DisplayPort 1.2a x 2
	DVI	DVI-I Dual Link x 4 (HDMI 1.4 Compliant)
	VGA	D-sub 15 pin x 1
Control Inputs	Serial Command, RS-232	D-sub 9 pin x 1
	Olorin External OSD	RJ45 x 1
USB	USB Downstream	USB Type A x 2
	USB Upstream	USB Type B x 1

Power	Power Input Type	Internal
	Power Input Rating	100~250Vac, 60/50Hz Universal
	Power consumption	Full Brightness: 160 W Power Saving: 20 W
Mechanical	Dimensions without Base Unit	1314.5 x 784.8 x 85 mm
	Weight without Base Unit	39.7 Kgs
	Housing Color	Black
	Housing Material	Aluminum
	IP Rating	IP 65 (Front bezel only)
	Mounting Standard, VESA	400 x 200 mm
	OSD Interface	Sensor Keys on Front Bezel
	OSD Sensor Keys	Source, PIP, Swap, Menu, Up, Down, Power
	Anti Reflective Film	N/A
	Screen Protection	AG 80, 5 mm
	Security slot	
	Ground bolt	Potential equalization bolt
Compliance	EU	CE (EN60601-1 /EN60601-1-2 4th)
Warranty	DOA	Three (3) months, max. 500 h.
	Standard	Two (2) years

Order no. Monitor

Part no.	Item
ML55026D	Monitor

Order no. Accessories

Order no.	Item
XAVL98501	External OSD (1 port)
XAVL98502	External OSD (2 ports)
XAVL98504	External OSD (4 ports)