27" monitor for shipping

On ships and offshore installations, monitors must be easy to read and reliable in the dark and in daylight. The DuraVision MDF2701W is equipped with optical bonding to ensure optimum visibility and robustness in maritime environments. It also offers a wide dimming range between 0.05 and 350 cd/m². The LCD backlight, gamma and RGB color settings of the 27" Full HD screen are factory calibrated to achieve the accurate color reproduction required for ECDIS. The monitor is certified according to the international standards IEC 61174, IEC 6288 and IEC 62388 for ECDIS and radar applications. It is suitable for use in maritime applications and complies with the international standard IEC 60945 for maritime navigation and radiocommunication equipment and systems in terms of temperature, humidity and vibration. Although fanless, it can be installed and operated in different orientations. The panel-mount structure also allows front screw mounting for convenient installation on consoles and in existing systems.

- ✅ Robustness and clear vision thanks to optical bonding
- ✅ Wide dimming range for required brightness levels during the day, at night and in fog
- ✅ Calibrated color rendering for ECDIS
- ✅ Redundant power supply: AC and DC

- ✅ Reliable and durable thanks to fanless operation and sophisticated heat dissipation
- ✅ Tested for ECDIS and radar in accordance with IEC61174, IEC 62288 and IEC 61174
- ✅ 24/7 use, 3-year warranty

Technical Data

GENERAL

Item no.	MDF2701W-BK
Case color	Black
Areas of application	Industry
Product line	DuraVision
Areas of application	Maritime
EAN	4995047066378

SCREEN

Screen size [in inches]	27
Screen size [in cm]	68,6
Format	16:9
Viewable image size (width x height) [in mm]	597,6 x 336,2
Ideal and recommended resolution	1920 x 1080 (Full HD)
Pixel pitch [in mm]	0,311 x 0,311
Supported resolutions	1920 x 1080 (Full HD)
Panel technology	VA
Max. viewing angle horizontal	178
Max. viewing angle vertical	178
Number of colors or greyscale	16.7 million colors (D-Sub, 8 Bit), 16.7 million colors (DVI, 8 Bit), 16.7 million colors (DisplayPort, 8 Bit)
Max. brightness (typical) [in cd/m²]	350
Max. dark room contrast (typical)	3000:1
Response time black/white/black change (typical)	12
Backlight	LED

FEATURES & OPERATION

Preset color/greyscale modes	1x manual memory location, Day, Night, Dusk
24/7 operation	✔
Automatic signal input recognition	✔
On-screen menu languages	zh, jp, de, en, fr, es, it, se
Adjustment options	Signal information, Color Mode, Brightness, Contrast, Color temperature/White point, Gamma, Colour tone, Color saturation, Scaling, Alignment, Image position, Backlight Off Mode, ECDIS Indicator, Power Indicator, Monitor reset, OSD language, Signal input, Key lock
Integrated power unit	✔

DIMENSIONS & WEIGHT

Dimensions (without stand) (width x height x depth) [in mm]	656 x 454 x 62,5
Weight (without stand) [in kg]	8.6
Dimension drawing (PDF)	Dimension drawing (PDF)

Find your EIZO contact:
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CONNECTIONS

Signal inputs	DisplayPort (HDCP 1.3), DVI-D (HDCP 1.4), D-Sub
USB specification	USB 2
USB upstream ports	1 x type B
Graphic signal	DVI Single Link (TMDS), RGB Analog, DisplayPort
Control port	DDC/CI, RS-232C, USB-Protocol
Sync formats	Separate

ELECTRICAL DATA

Frequency	DisplayPort: 31-76 kHz/59-61 Hz; DVI-D: 31-76 kHz/59-61 Hz; D-Sub: 31-81 kHz/56-76 Hz
Maximum Power Consumption [in watts]	44 (DC) / 45 (AC)
Power supply	AC 100-240 V, 50/60 Hz; DC 24 V
Power management	✔

CERTIFICATION & STANDARDS

IP rating/protection class	IP65 (rear IP22)
Operating temperature	-15 - 55 °C / 10 - 93 % (R.H., non condensing)
Compass Safe Distance	Standard compass: 0,8 m, Steering compass: 0,55 m
Certification	Ship Classification: DNV (Norway / Germany), NK (Japan), LR (UK), ABS (USA), CE, UKCA, CB, RoHS, WEEE, EU RO MR, IEC60945, IEC61174, IEC62288, IEC62388

SOFTWARE & ACCESSORIES

Other box contents	Quick guide

WARRANTY

Warranty periode	3 years