



46" Marine Monitor

DuraVision® DV4624



46" Full HD Monitor for ECDIS, Radar, and Conning Applications

Large 46" Screen

The DuraVision DV4624's large screen provides ample space for viewing important nautical information from one or more bridge system applications in a single location. Images are displayed pixel-by-pixel in full high definition (1920 × 1080) to provide operators with vivid picture for precise observation.

Durable and Reliable

The monitor offers reliability for use in harsh maritime environments, complying with the conditions for temperature, humidity, and vibration as defined in the IEC 60945 international standard for maritime navigation and radio communication equipment and systems. IP55 rating ensures it can withstand dust ingress and is protected against low-pressure water jets. The monitor uses stainless steel industrial-grade housing for durability.

Long-Lasting LED Backlight

The monitor is equipped with an LED backlight that lasts longer and consumes less power compared to conventional CCFL backlights. It is also mercury-free for minimal impact on the environment.

Calibrated for ECDIS

Backlight brightness, gamma, and RGB color settings are calibrated at the factory so each monitor achieves accurate color reproduction for meeting the highly specialized requirements of ECDIS systems. The monitor meets IEC 61174, IEC 62288, and IEC 62388 international standards for ECDIS and RADAR applications.

Non-Intrusive Hardware Calibration

The monitor comes equipped with hardware calibration functionality using the optional EIZO EACAL-R01 luminance meter. Easily accessed through the OSD menu, calibration of the backlight brightness, gamma, and white point can be carried out in just minutes. No additional software is needed, ensuring calibration operation is non-intrusive to your system.

Picture-in-Picture

Picture-in-Picture (PiP) functionality allows operators to display a small separate screen from a second signal source within the monitor to effectively view a variety of navigational information.

Wide Dimming Range

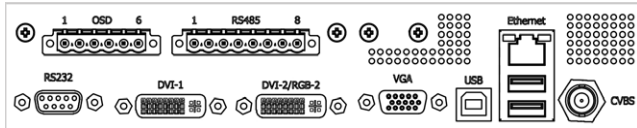
The wide dimming range of up to 600 cd/m² (ECDIS-certified dimming range: 0.5 - 400 cd/m²) allows controllers to adjust to the appropriate brightness level for viewing during the day or at night.

Clear View

The VA panel features wide viewing angles of 178° that minimize changes in contrast and gradation to maintain excellent visibility when the screen is viewed from the side.

Complete Connection

DVI and D-Sub inputs offer compatibility with PCs equipped with digital or analog graphics boards. Composite video (CVBS) that supports NTSC, PAL, and SECAM is also included for displaying radar images or video surveillance. It also comes equipped with a wide range of communication interfaces - RS232, RS485, USB, Ethernet, and Modbus.



Additional Features

- VESA mount
- Remote control for OSD adjustment
- 24-hour use, 2-year warranty

Optional Accessories

External advanced serial luminance meter for high-precision monitor calibration.

EACAL-R01



SPECIFICATIONS

Model Variation	Without Stand
Cabinet Color	Black
Panel Type	VA
Backlight	LED
Panel Size	46" / 117 cm (1168 mm diagonal)
Native Resolution	1920 x 1080
Viewable Image Size (H x V)	1018 x 572.7 mm
Pixel Pitch	0.5303x0.5303 mm (Minimum viewing distance: 1.8m)
Display Colors	16.77 million
Viewing Angles (H / V, typical)	178°, 178°
Brightness (typical)	600 cd/m ² *
Contrast Ratio (typical)	4000:1
Response Time (typical)	6.5 ms (Gray to Gray)
Input Terminals	DVI-I 29 pin x 1, DVI-D 24 pin x 1, VGA HD-D-Sub15 pin x 1, CVBS(BNC) x 1
Digital Scanning Frequency (H / V)	15 - 100 kHz, 50 - 100 Hz (Max. Dotclk: 155 MHz)
Analog Scanning Frequency (H / V)	15 - 100 kHz, 50 - 100 Hz (Max. Dotclk: 155 MHz)
Sync Formats	Separate, Composite, Sync on Green
Video Input Format	PAL, NTSC, SECAM
Power Requirements	AC 100 - 240 V, 50 / 60 Hz DC 18 -36 V
Maximum Power Consumption	AC 110 W, DC 100 W (Brightness max.)
Typical Power Consumption	AC 35 W, DC 30 W (Brightness 80 cd/m ²)
Standby Mode	AC 4 W, DC 2 W
OSD Languages	English, German, Spanish, French
Communication Protocol	Modbus, SNMP, EIZO proprietary
Communication Interface	RS232, RS485, USB, Ethernet, ext. Keyboard
Dimensions (Without Stand, W x H x D)	1067 x 622.5 x 89.6 mm
Net Weight	31 kg
Operating Temperature	-15 - 55 °C
Operating Humidity (R.H., non condensing)	max. 95 %
Storage Temperature	-20 - 70 °C
Degree of Protection	IP55 (front) IP20 (Rear)
Certifications & Standards	IEC60945, IEC61174, IEC62288, IEC62388, RoHS, REACH
Warranty	2 years

* ECDIS- certified dimming range: 0.5 - 400 cd/m²

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