Route Planning at Your Fingertips

Innovative Chart Table Monitor

Ample Space for Efficient Operation

The MDU5501WT's large 55-inch screen provides ample space for users to see crucial navigational information from multiple applications in a single location, and reduces the need to switch windows or zoom in.
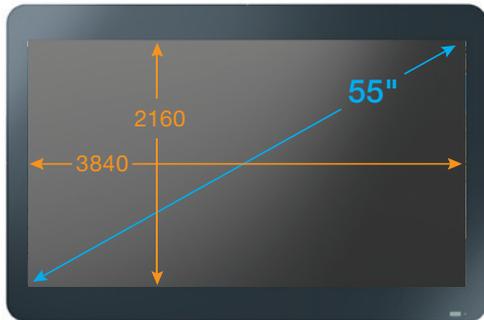
4K UHD

View Navigational Charts in High Detail

The DuraVision MDU5501WT displays at 4K UHD resolution (3840 x 2160) which is four times that of standard Full HD (1920 x 1080). This allows operators to view navigational charts and other data in high detail.
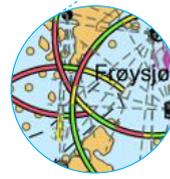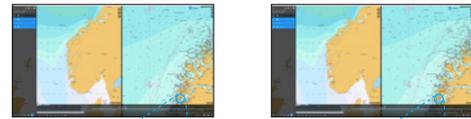
55-inch 4K
3840 x 2160

55-inch Full HD
1920 x 1080

Multitouch Interface

The chart table monitor features projected capacitive (PCAP) touch technology which detects up to 10 simultaneous finger touches, or up to two styluses, allowing multiple crew members to operate the monitor at the same time.

Liquid Detection

The monitor includes a function that detects liquid on the screen to prevent unintended touch input. Once detected, the monitor will automatically disable touch functionality and re-enable it when it has been cleaned.

Palm Rejection

The monitor is equipped with palm rejection which allows you to rest your hand directly on the screen without causing any unintended touch input.
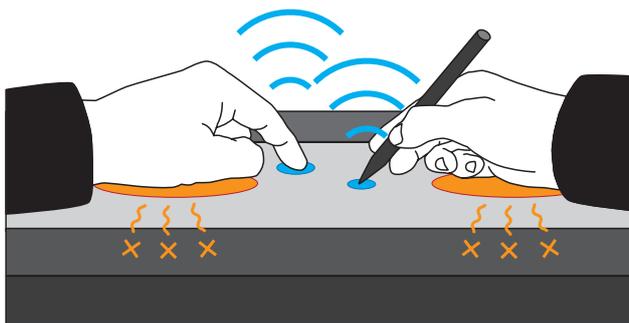
Fingerprint Resistance

The monitor surface is coated with a fingerprint-resistant finish that minimizes the visibility of fingerprints left on the screen from touch interaction.

MDU5501WT

Other monitors
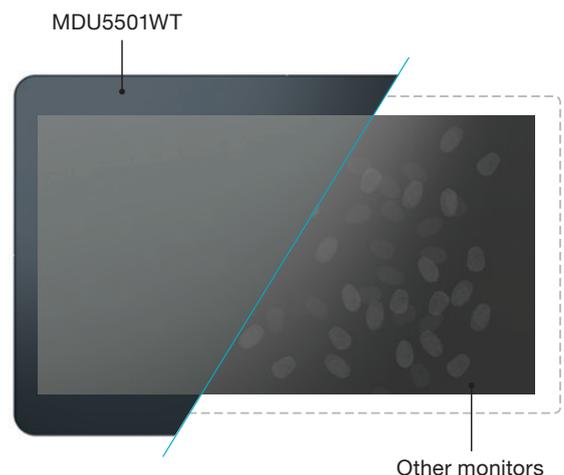
Fully Flat Table Design

The monitor can be laid horizontally and has a fully flat surface, allowing it to double as a table for laying out traditional paper charts when they are occasionally called for. The wide outer edges of the monitor also provide a place for the crew to conveniently set items or rest their hands without obstructing the view of the screen.

Touch Detection Control

Users can easily turn touch detection on or off by pushing the button conveniently located on the monitor's outer rim. A button is located on two sides of the monitor for easy access.

On/Off

MDU5501WT
55" Chart Table Monitor

Chart table stand is not included with the monitor.

Virtually Place the Chart Table Monitor on Your Ship with AR

Scan the QR code using your smartphone or tablet to virtually place the DuraVision MDU5501WT chart table monitor in your ship with augmented reality.

Designed for Maritime

Picture-in-Picture

Picture-in-Picture (PinP) allows operators to display a separate screen from a second signal source within the monitor. The second screen can be displayed in 960 x 540, 1280 x 720, or 1920 x 1080 in any of the four corners of the monitor.
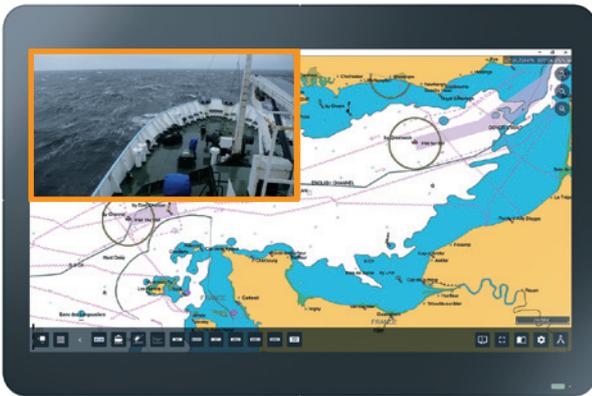
Picture-by-Picture

Picture-by-Picture (PbyP) allows operators to display data from up to two separate signals sources, such as radar and navigational information, and display them side by side.
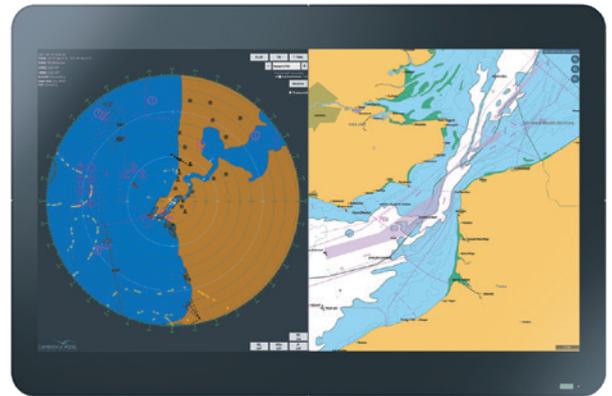
ECDIS Indicator

The ECDIS indicator located on the front of the monitor is lit when the brightness and color settings correctly meet the requirements for ECDIS. In the event the monitor's settings are adjusted such that the brightness is no longer supporting ECDIS standards, the light will automatically turn off.
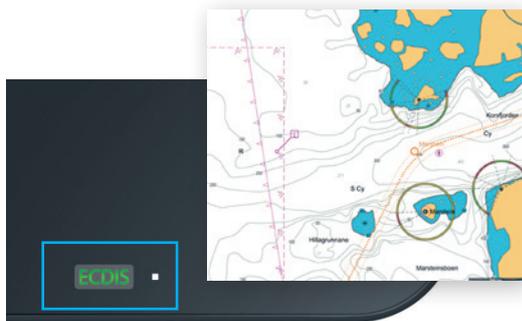
Brightness meets ECDIS
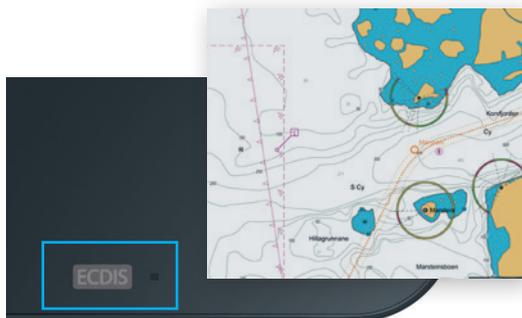
Brightness doesn't meet ECDIS

EIZO Screen Rotator

EIZO Screen Rotator for Windows OS is a free software application that allows you to quickly rotate the image on the monitor by 180° with a single touch. This is helpful when multiple members of the crew are viewing the screen from opposite sides of the chart table.
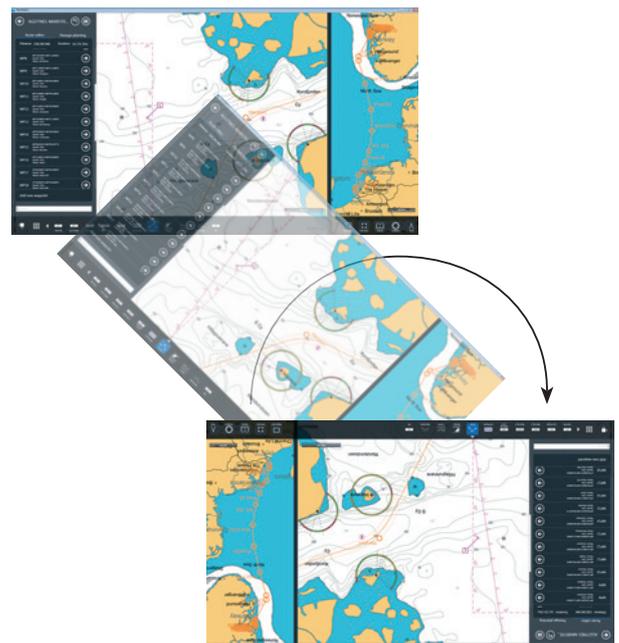
High Visibility

The MDU5501WT has a wide dimming range of less than 1 cd/m² to 610 cd/m². This allows operators to adjust to the appropriate brightness level for optimal visibility during the day or at night.

Maximum Brightness   Minimum Brightness
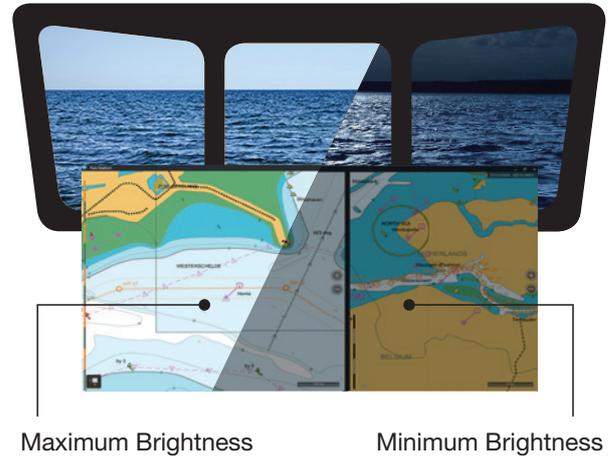
Durability and Reliability

Approval from Maritime Classifications

The monitor meets the requirements for major maritime classifications with approvals for LR (UK), DNV (Norway / Germany), ABS (USA), NK (Japan), and EU RO MR.

INTERNATIONAL CLASSIFICATION

Calibrated for ECDIS

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

Protection

The monitor offers durability for use in harsh maritime environments, complying with the conditions for temperature, humidity, and vibration as defined in the IEC 60945 international standard for maritme navigation and radio communication equipment and systems. An IP65 rating on the front ensures they can withstand dust ingress and are protected against low-pressure water jets.

Long-Term Reliability

The monitor is built for 24-hour use and is backed by a 3-year manufacturer's warranty for long-term reliability.

3 Year

24 Hr

Advanced Functionality

Dedicated Stylus

Dash 3

The Dash 3 stylus and holder are included with the MDU5501WT.

The holder is magnetic so it stays in place attached to the monitor bezels.
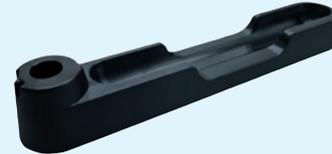
Monitor Control

The monitor is equipped with communication interfaces for serial communication, and monitor control features, such as brightness adjustment or powering the monitor on and off.

Power Supply Redundancy

Multiple power inputs are equipped allowing you to power the monitor using either DC or AC connectors, or both in parallel for redundancy.

Specifications

			Touch Panel
Model Variations	without stand	black	MDU5501WT-BK
Panel	Type		VA
	Size		54.6" / 138.8 cm
	Native Resolution		3840 x 2160 (16:9 aspect ratio)
	Viewable Image Size (H x V)		1209.6 x 680.4 mm
	Pixel Pitch		0.315 x 0.315 mm (Minimum viewing distance: 1.086 m)
	Display Colors		16.77 million
	Viewing Angles (H / V, typical)		178°, 178°
	Brightness (typical)		610 cd/m^2
	Contrast Ratio (typical)		4000:1
	Response Time (typical)		8 ms (gray-to-gray)
Touch Panel	Type		Projected Capacitive
	Touch Points		10
	Surface Treatment		Anti-Glare coating, Anti-Finger printing
	Communication Protocol		USB
	Surface Hardness		5 H
	Compatible OS		Windows 10 / 8.1 (64-bit, 32-bit)
Video Signals	Input Terminals		DisplayPort (HDCP1.3), HDMI (HDCP 2.2 / 1.4), DVI-D (HDCP 1.4)
	Digital Scanning Frequency (H / V)		DisplayPort: 31 - 135 kHz / 29 - 61 Hz, HDMI: 31 - 135 kHz / 29 - 61 Hz, DVI-D: 31 - 75 kHz / 59 - 61 Hz
	Analog Scanning Frequency (H / V)		-
	Sync Formats		-
	Video Input Format		-
USB	Upstream		USB 2.0: Type-B
	Downstream		USB 2.0: Type-A x 2
Power	Power Requirements		AC 100 - 240 V, 50 / 60 Hz DC 24V
	Maximum Power Consumption		AC 195 W, DC 199 W
	Power Save Mode		20 W or less (AC input) 15 W or less (DC input)
Features & Functions	Preset Modes		Custom, Day, Dusk, Night
	Communication Protocol		Modbus, EIZO proprietary
Physical Specifications	Dimensions (W x H x D)		1334 x 888 x 121 mm
	Net Weight		71.7 kg
Environmental Requirements	Operating Temperature		-15 - 55°C
	Operating Humidity (R.H., non condensing)		10 - 90%
Environmental Requirements	Degree of Protection		IP65 (front) IP22 (rear)
Safe Distance of Nautical Equipment from Compasses	Standard Compass		2.65 m
	Steering Compass		1.70 m
Certifications & Standards (Please contact EIZO for the latest information.)			Ship Classification: NK (Japan), LR (UK), ABS (US), DNV (Norway / Germany)
			General: CB, CE, RoHS, WEEE, IEC 60945 (EMC/environmental testing), IEC 61174/IEC 62288/IEC 62388 (items for monitor), EU RO MR
Supplied Accessories (May vary by country. Please contact EIZO for details.)			Setup manual, CD-ROM, Cleaning cloth, Stylus (Touch pen), Battery charger for stylus, Stylus holder, Stylus pen tip x 2
Warranty			3 years, 24-hour use

Dimensions (Unit: mm)

121
70.4

1334
1212.5
683.4
888

400
400
200
200
400