



Talon® RGD2443W

24" Rugged COTS LCD monitor with 3840 x 2160 resolution and MIL standard compliance.



MILITARY-GRADE LCD MONITOR

MIL qualification, SWaP-C optimized, water resistance (IP65), conformal coating.

HIGHLY DETAILED IMAGES

Displays 4K UHD (3840 x 2160) resolution in a minimal physical footprint.

LCD FLICKER COMPENSATION

Equipped with E-LFC to alleviate flicker in sonar images and address eye fatigue.

24" Rugged LCD Monitor

The Talon RGD2443W is a 24-inch rugged LCD monitor with 4K UHD (3840 x 2160) native resolution, which is four times that of Full HD, for displaying highly detailed rugged applications. It is designed to meet demanding SWaP-C requirements with compact housing and optimized weight, making it ideal for space-constrained environments, such as surface and sub-surface consoles used for naval display systems, mission/ground control stations, and airborne ISR operations.

The Talon RGD2443W is optionally equipped with E-LFC (EIZO LCD Flicker Compensation) to alleviate flicker in sonar images. This ensures image data is clear and details are discernible to the operator, while also addressing eye fatigue caused by a flickering screen.

The Talon Series of COTS LCD monitors are ready to be deployed in extreme environments with ruggedized features such as sunlight readability (optional), IP65 water resistance, a built-in heater (optional), and conformal coating to protect components in harsh environments. EIZO qualifies every Talon monitor at its own in-house durability test center for MIL-STD-810 (vibration, shock, altitude, and extreme temperatures) and MIL-STD-461 (EMI/EMC). Be it the latest systems or retrofitting legacy systems, EIZO works closely with you to tailor each Talon monitor to suit your rugged environment.



MIL-STD-810
Shock



MIL-STD-810
Temperature



MIL-STD-810
Vibration

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Specifications

Panel	Size	23.7"
	Native Resolution	3840 x 2160 (16:9 aspect ratio)
	Viewable Image Size (H x V)	525.7 x 295.7 mm
	Pixel Pitch (H x V)	0.137 x 0.137 mm
	Display Colors	1.07 billion (10-bit)
	Viewing Angles (H / V, typical)	178° / 178°
	Brightness (typical)	350 cd/m²
	Contrast Ratio (typical)	1200:1
	Optical Bonding	Supported
Touch Panel (optional)	Response Time (typical)	14 ms
	Type	Projected Capacitive
	Touch Points	10
	Surface Treatment	Anti-Glare, Anti-Fingerprint
	Communication Protocol	USB
	Surface Hardness	5 H
Video Signals	Compatible OS	Windows 11, Windows 10 (64-bit, 32-bit), Linux
	Input Terminals	DisplayPort x 2, HDMI x 2 12G-SDI (optional)
	Output Terminals	-
	Digital Scanning Frequency (H / V)	31 - 134 kHz / 29 - 61 Hz
	Analog Scanning Frequency (H / V)	-
	Sync Formats	Separate
USB	Upstream	USB 2.0: Type-B
Power	Power Connector (DC or AC option)	DC: MIL-DTL-38999 Series III AC: MIL-DTL-38999 Series II
	Power Input	DC 18 - 36 V AC 100 - 240 V 50/60 Hz MIL-STD-704F
	Maximum Power Consumption	73 W
Features & Functions	Communication Interface	USB, RS-232C, RS-485
Physical Specifications	Dimensions (Landscape, W x H x D)	23.543 x 14.528 x 2.756 in (598 x 369 x 70 mm)
	Net Weight	Touchscreen, AC power, handles: 20.5 lbs(9.3 kg) Non-touchscreen, DC power, handles: 18.5 lbs
Environmental Requirements	Operating Temperature	-20 - 55 °C MIL-STD-810G, Method 501.6/502.6 Proc. II
	Non-Operating Temperature	-40 - 71 °C MIL-STD-810G, Method 501.6/502.6 Proc. I
	Operating Humidity (R.H., non condensing)	95% R.H. @max. 40 °C MIL-STD-810G, Method 507.6
	Vibration	MIL-STD-810G, Method 514.7 Proc. I MIL-STD-167-1 Type 1
	Shock	20 g - 11 ms, Sawtooth MIL-STD-810G, Method 516.7 MIL-DTL-901E Lightweight Grade A
	Operating Altitude	0 - 16,500 ft MIL-STD-810G, Method 500.6
	Non-Operating Altitude	0 - 40,000 ft MIL-STD-810G, Method 500.6
	Degree of Protection	IP65 (front, rear ³)
Certifications & Standards		MIL-STD-810G, MIL-STD-167-1, MIL-STD-704F, MIL-STD-461G, MIL-DTL-901E, IEC 60529, CE, UKCA, FCC-A
Options	NVIS Support	-
	Heater	-
	SwitchLink	-
	E-LFC	Optional
	Image Enhancement Technology	Optional
	Handles	Optional

*Connectors are not rated IP65.

Contact EIZO with your request. talon@eizo.com

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Specifications are subject to change without notice.