

21.3" Rugged COTS LCD monitor 1600 x 1200 native resolution (4:3 aspect ratio) and MIL standard compliance.



Product image is preliminary

MILITARY-GRADE LCD MONITOR

MIL compliance, water resistance (IP65), conformal coating

NVIS SUPPORT

In-house production for optional NVIS support including measurement and adjustment of every unit

COMPLETE CUSTOMIZATION

All monitors are custom built to meet individual requirements including, touchscreen, optical bonding, interface options, and more

21.3" Rugged LCD Monitor

The Talon RGD2100 is a 21.3-inch rugged LCD monitor with 1600 x 1200 native resolution that offers optional NVIS (Night Vision Imaging System) support. EIZO carries out production for NVIS support in-house, including the measurement and adjustment of NVIS display characteristics for every unit. It is ideal for applications which require high quality video display, such as target tracking, naval display systems, mobile command vehicles, ISR operations, and fire control platforms.

The Talon Series of COTS rugged LCD monitors are ready to be deployed in extreme environments with ruggedized features such as LCD optical bonding, water resistance with IP65 (front), a built-in heater (optional), and conformal coating to protect components in harsh environments.



MIL-STD 810
Shock



MIL-STD 810
Temperature



MIL-STD 810
Vibration

Specifications

Preliminary Specifications

Panel	Size	21.3"
	Native Resolution	1600 x 1200 (4:3 aspect ratio)
	Viewable Image Size (H x V)	432.0 x 324.0 mm
	Pixel Pitch (H x V)	0.270 x 0.270 mm
	Display Colors	16.77 million (8-bit display)
	Viewing Angles (H / V, typical)	178° / 178°
	Brightness (typical)	500 cd/m²
	Contrast Ratio (typical)	1800:1
	Optical Bonding	Supported
	Response Time (typical)	6 ms
Touch Panel (optional¹)	Type	Projected Capacitive
	Touch Points	10
	Surface Treatment	Anti-Glare, Anti-Fingerprint
	Communication Protocol	USB
	Surface Hardness	5 H
	Compatible OS	Windows 11, Windows 10 (64-bit, 32-bit), Linux
Video Signals	Input Terminals	D-Sub mini 15 pin, DVI-D, DisplayPort
	Output Terminals	-
	Digital Scanning Frequency (H / V)	31 - 76 kHz / 59 - 61 Hz
	Analog Scanning Frequency (H / V)	24 - 80 kHz / 49 - 76 Hz (1600 x 1200: 59 - 61 Hz)
	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	TBD
Features & Functions	Communication Interface	USB, RS-232C, RS-485
Physical Specifications	Dimensions (Landscape, W x H x D)	18.976 x 15.709 x 2.972 in (482 x 399 x 75.5 mm)
	Net Weight	21.6 lbs (9.8 kg)
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 (optional)
	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) IP2X (rear)
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	Optional
	Heater	Optional
	SwitchLink	-
	E-LFC	Optional
	Image Enhancement Technology	Optional
	Handles	Optional

Contact EIZO with your request. talon@eizo.com

EIZO Rugged Solutions

482 S Keller Rd. Orlando, FL 32810

Phone: +1-407-262-7100

www.eizorugged.com



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