



Talon® RGD2102W

21.5" rugged COTS LCD monitor with 1920 x 1080 resolution, optional NVIS support, and MIL standard compliance.



MILITARY-GRADE LCD MONITOR

MIL compliance, water resistance (IP65), sunlight readability (optional), conformal coating

NIGHT VISION 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, and interface options

21.5" Rugged LCD Monitor

The Talon RGD2102W is a 21.5-inch rugged LCD monitor with 1920 x 1080 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 LCD monitors are ready to be deployed in extreme environments with ruggedized features such as sunlight readability (optional), water resistance with IP65 (front), a built-in heater (optional), and conformal coating to protect components in harsh environments. EIZO carries out vibration, shock, humidity, decompression, and extreme temperature testing at its own in-house durability test center to meet MIL-STD-810 and MIL-STD-461 standards. 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

PHONE: (407) 262-7100 MAIL: TALON@EIZO.COM

Specifications

Panel	Size	21.5"
	Native Resolution	1920 x 1080 (16:9 aspect ratio)
	Viewable Image Size (H x V)	476.6 x 268.1 mm
	Pixel Pitch (H x V)	0.248 x 0.248 mm
	Display Colors	16.77 million (8-bit display)
	Viewing Angles (H / V, typical)	178° / 178°
	Brightness (typical)	350 cd/m ²
	Contrast Ratio (typical)	5000:1
	Optical Bonding	Supported
	Response Time (typical)	25 ms
Touch Panel (optional¹)	Type	Projected Capacitive
	Touch Points	5
	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 x 2, BNC (3G-SDI) x 2
	Output Terminals	BNC (3G-SDI) x 2
	Digital Scanning Frequency (H / V)	31 - 76 kHz / 59 - 61 Hz
	Analog Scanning Frequency (H / V)	31 - 76 kHz / 59 - 61 Hz
	Sync Formats	Separate, Composite, Sync-on-Green
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 III
	Power Input	DC 18 - 36 V AC 100 - 240 V 50/60 Hz MIL-STD-704F
	Maximum Power Consumption	61 W
Features & Functions	Communication Interface	USB, RS-232C
Physical Specifications	Dimensions (Landscape, W x H x D)	21.201 x 13.701 x 3.15 in (538.5 x 348 x 80 mm)
	Net Weight	22 lbs (10 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. 60 °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
	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, IEC 60529, CE ⁴ , UKCA ⁴ , FCC-A
Options	NVIS Support	Optional
	Heater	Optional
	SwitchLink	-
	E-LFC	-
	Image Enhancement Technology	-
	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 Fax: +1-407-339-2554

www.eizorugged.com



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