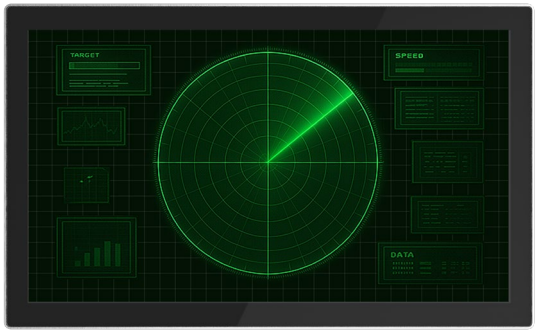
TDM-D215-NVIS

21.5" Rugged Rackmount Monitor, Full HD 1920 x 1080, 1000 nits Day Mode Brightness, 5000:1 Contrast Ratio, NVIS Green B Compliant, Compliant with MIL-STD-810H, MIL-STD-461G (RE-102 for Ground Army), Front Side IP65, Anti-Glare Cover Glass, 9~36VDC Power Input with Full Range AC/DC 24V 90W Power Adapter, Operating Temperature -10~70°C, MIL Connectors



Product Highlights - Advantages and Benefits

- 21.5" 1920 x 1080 FHD LCD with Anti-Glare Cover Glass, Front IP65 Rackmount Bezel
- 1000nits LED Backlight (Day Mode)
- Dual Mode Design (Day Mode / NVIS Mode)
- MIL-STD-3009 NVIS Green B Compliant
- Optical Bonding
- 2x HDMI MIL-DTL-38999 Receptacle HDMIFTV7AG
- OSD / RS-232 (DB-9F) Display Signal Input Control by MIL-DTL-38999 Receptacle 24WB35PN
- DC Power Input 9~36VDC MIL-DTL-26482 Receptacle MS3114E8-4P
- AC/DC 24V 90W Power Adapter w/ MIL-DTL-26482 Plug MS3116F8-4S
- Operating Temperature -10~70°C

Specifications

LCD	
Max. Resolution	1920*1080
Contrast Ratio	5000 : 1
Max. Color	16.7M
Luminance (cd/m2)	Day Mode: 1–1000 nits Night Mode: ≤0.5 nits (Customizable upon request)
View Angle	89/89/89/89

Touch Screen	
Type	N/A

Cover Glass	
Type	Anit-Glare Cover Glass

OSD Control	
Front Bezel	Front OSD buttons: Power On/Off, Auto/Exit, Menu/Enter, Brightness Adjustment (+/−)
Remote	Display Signal Input Control via RS-232 (DB-9F) by MIL-DTL-38999 Receptacle 24WB35PN

www.elgens.com.tw © 2026 Elgens Co., Ltd. All rights reserved.

I/O Connect	
External I/O Port	2x HDMI MIL-DTL-38999 Receptacle HDMIFTV7AG 1x RS-232 (DB-9F) Display Signal Input Control by MIL-DTL-38999 Receptacle 24WB35PN 1x DC Power Input by MIL-DTL-26482 Receptacle MS3114E8-4P 1 x GND Screw for Safety Grounding

Power Requirement	
Power Input	DC 9~36V Wide Range Power Input, Typical 24VDC/3.75A 90W
Power Supply	Universal AC/DC 24V/3.75A 90W Power Adapter w/ MIL-DTL-26482 Plug MS3116F8-4S

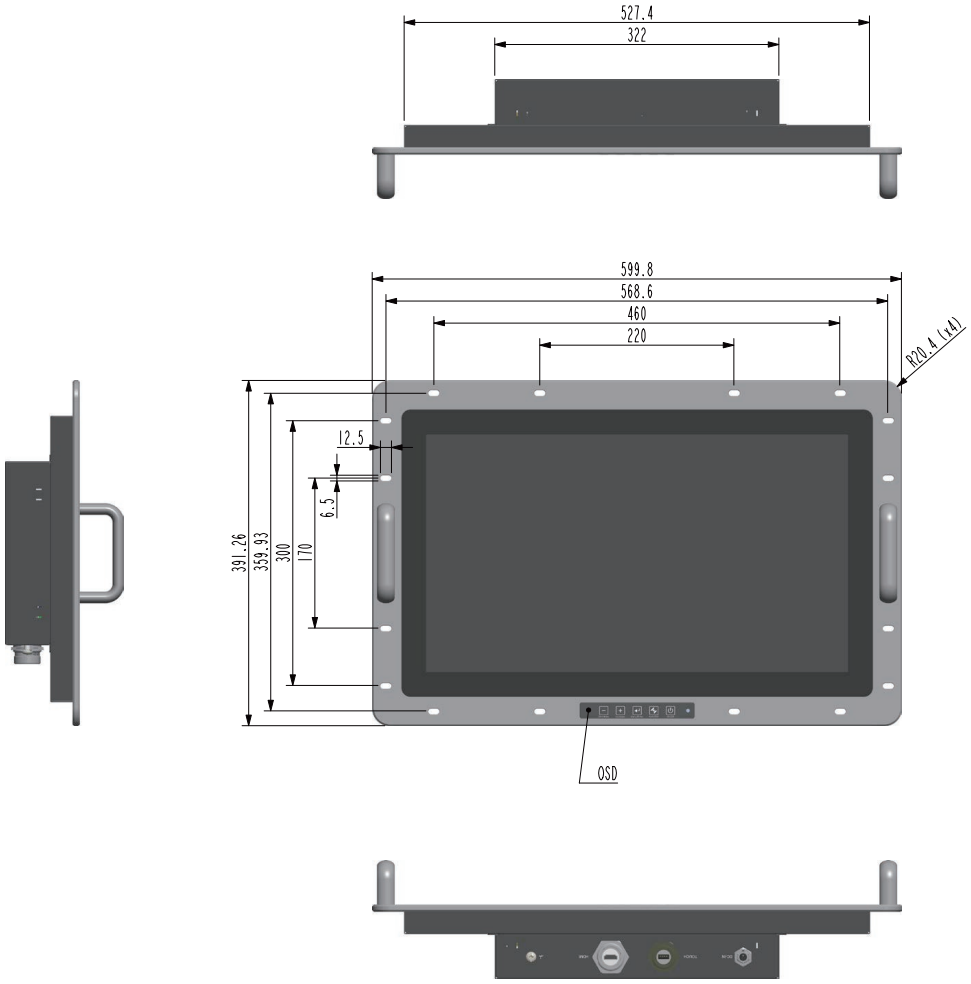
Mechanical	
Construction	Aluminum Flat Bezel with Metal case
IP Rating	IP65 Front Side
Mounting	Rackmount
Dimension	599.80(W) x 391.26(H) x 84(D) mm, not includes Handles; 599.80(W) x 391.26(H) x 134(D) mm, includes Handles 50mm depth

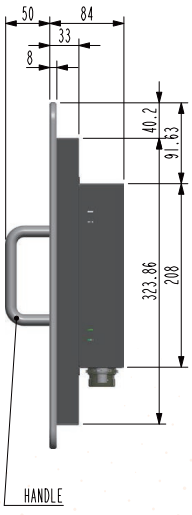
Environment	
Operating Temp	-10~70 °C
Storage Temp	-40~70 °C
Humidity	10~90% @40 °C, non-condensing
Cerfitication	**EMC** • MIL-STD-461G Compliant (CE101/CE102/RE101/RE102) • MIL-STD-1275E Compliant • MIL-STD-704F Compliant • FCC / CE Class A Compliant **Vibration** • MIL-STD-810H, Method 514.8, Procedure I, 5~500Hz Certification • IEC-60068-2-64, 1.5 Grms @10~500Hz Compliant **Shock** • MIL-STD-810H, Method 516.8, Procedure I, 20g 11ms Certification

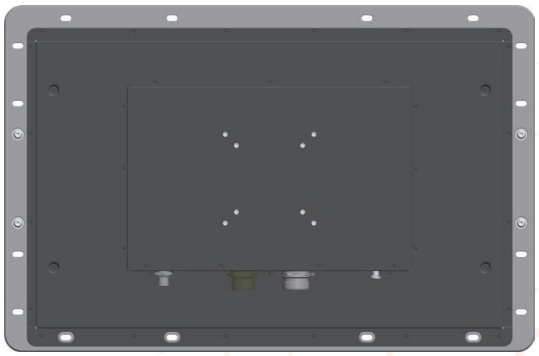
Ordering Information	
TDM-D215-AD1	21.5" Rugged Rackmount Monitor, Full HD 1920 x 1080, 1000 nits Day Mode Brightness, 5000:1 Contrast Ratio, NVIS Green B Compatible, Compliant with MIL-STD-810H, MIL-STD-461G (RE-102 for Ground Army), Front Side IP65, Anti-Glare Cover Glass, 9~36VDC Power Input with Full Range AC/DC 24V 90W Power Adapter, Operating Temperature -10~70°C, MIL Connectors

www.elgens.com.tw © 2026 Elgens Co., Ltd. All rights reserved.

Dimension & I/O Connector

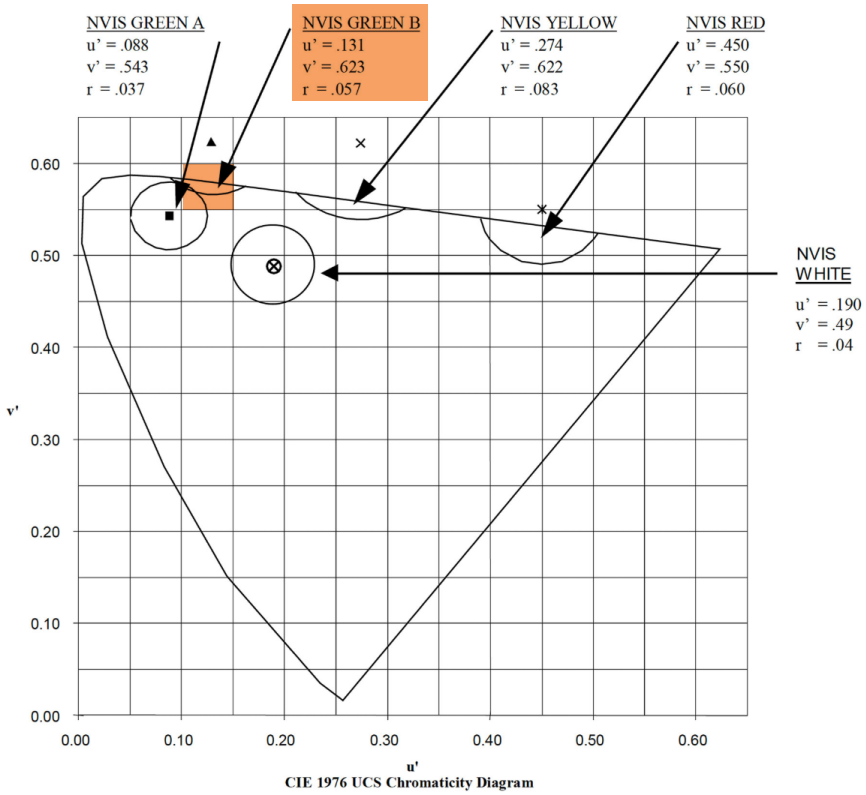






www.elgens.com.tw © 2026 Elgens Co., Ltd. All rights reserved.

MIL-STD-3009 : NVIS lighting color limits.



CIE 1976 UCS Chromaticity Diagram

MIL-STD-3009 : Chromaticity requirements.

Lighting component(s)	Para.	TYPE 1 Class A u'1	v'1	r	cd/m² (fL)	NVIS Color	TYPE 1 Class B u'1	v'1	r	cd/m² (fL)	NVIS Color	TYPE II Class A u'1	v'1	r	cd/m² (fL)	NVIS Color	TYPE II Class B u'1	v'1	r	cd/m² (fL)	NVIS Color
Primary	4.3.4.1	.088	.543	.037	0.343 (0.1)	Green A						.088	.543	.037	0.343 (0.1)	Green A					
Secondary	4.3.4.2	.088	.543	.037	0.343 (0.1)	Green A						.088	.543	.037	0.343 (0.1)	Green A					
Illuminated controls	4.3.4.3	.088	.543	.037	0.343 (0.1)	Green A						.088	.543	.037	0.343 (0.1)	Green A					
Compartment lighting	4.3.4.4	.088	.543	.037	0.343 (0.1)	Green A	Same					.088	.543	.037	0.343 (0.1)	Green A	Same				
Utility, map, work, and inspection	4.3.4.5	.088	.543	.037	0.343 (0.1)	Green A	as					.088	.543	.037	0.343 (0.1)	Green A	as				
	4.3.4.5	.190	.49	.04	0.343 (0.1)	White	Class A					.190	.49	.04	0.343 (0.1)	White	Class A				
Caution and advisory signals	4.3.4.6	.088	.543	.037	0.343 (0.1)	Green A						.088	.543	.037	0.343 (0.1)	Green A					
Jump lights	4.3.4.7	.088	.543	.037	17.2 (5.0)	Green A						.088	.543	.037	17.2 (5.0)	Green A					
		.274	.622	.083	51.5 (15.0)	Yellow						.274	.622	.083	51.5 (15.0)	Yellow					
Special lighting components where increased display emphasis by highly saturated (mono-chromatic) color is necessary, or adequate display light readability cannot be achieved with "GREEN A"	All of the above	.131	.623	.057	0.343 (0.1)	Green B						.131	.623	.057	0.1	Green B					
Warning signal	4.3.4.8.1	.274	.622	.083	51.5 (15.0)	Yellow	.274	.622	.083	51.5 (15.0)	Yellow	.274	.622	.083	51.5 (15.0)	Yellow	.274	.622	.083	51.5 (15.0)	Yellow
		NOT APPLICABLE					.450	.550	.060	51.5 (15.0)	Red	NOT APPLICABLE					.450	.550	.060	51.5 (15.0)	Red
Master caution signal	4.3.4.8.2	.274	.622	.083	51.5 (15.0)	Yellow	Same as Class A					.274	.622	.083	51.5 (15.0)	Yellow	Same as Class A				

Where:
u'_1 and v'_1 = 1976 UCS chromaticity coordinates of the center point of the specified color area.
r = radius of the allowable circular area on the 1976 UCS chromaticity diagram for the specified color.
fL = footlamberts

www.elgens.com.tw © 2026 Elgens Co., Ltd. All rights reserved.