



Panel mount direct monitor VisuNet DM8221

- 21.5" Full HD (16:9) display w/ optional touch screen
- Class I/Div 2, Class II/Div 2, ATEX/IECEX Zone 2, and ATEX Zone 22 approved
- Compression fit touchscreen ensures reliable continuous use
- Shock and vibration resistant
- Extended temperature range for indoor/outdoor use
- High bright option available

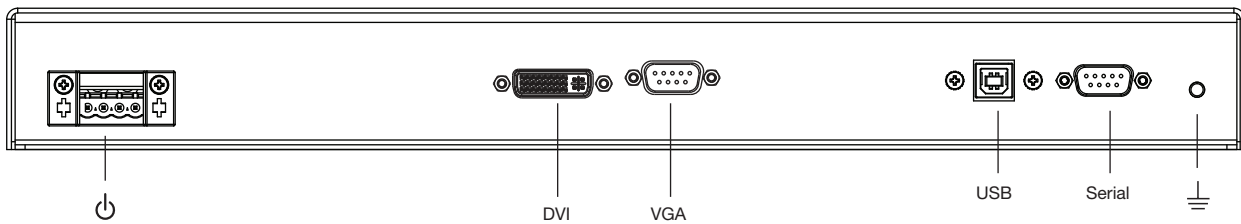
Industrial monitor designed for continuous use in harsh environments



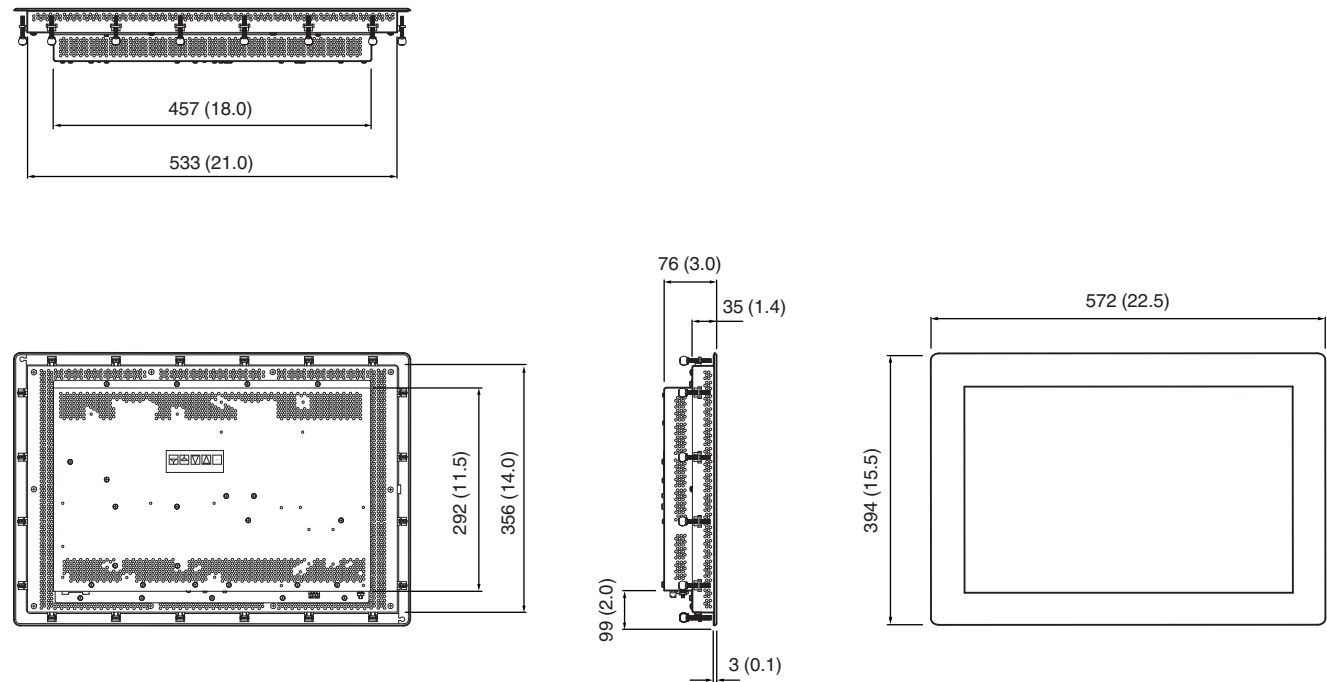
Function

This product is a high-performance industrial flat panel monitor. It is designed as an operator interface device for continuous use in heavy-duty conditions. It incorporates an industrial-grade, highperformance active matrix LCD panel, an optional touchscreen, and will connect directly to any standard DVI or VGA signal. It is available in many configurations. The front bezel is rated Type 4/4X.

Connection



Dimensions



Technical Data

Supply		
Power consumption		Main unit: 20 ... 30 VDC, 4.0 A max
Indicators/operating means		
Display		
Screen diagonal		21.5 inch (54.6 cm)
Response time		Standard: 25 ms High-bright: 5 ms
Resolution		1920 x 1080 Full HD
Color depth		24 bit (16.7 M) color
Contrast		5000:1 (standard brightness) 900:1 (high brightness)
Brightness		Standard: 300 cd/m2 (nits) High-bright: 1200 cd/m2 (nits)
Reading angle		89° in all directions (standard brightness) 170° H; 160° V (high brightness)
Life span		back lamp life: 50,000 hrs typical half life
Input devices		
Touchscreen		5-wire resistive 5-wire hardened resistive
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61326-1:2013
Ambient conditions		
Operating temperature		-20 ... 50 °C (-4 ... 122 °F)
Storage temperature		-20 ... 60 °C (-4 ... 140 °F)

Technical Data

Relative humidity	0 ... 90% (noncondensing)
Shock resistance	30g, 11 ms, all axis
Vibration resistance	5 ... 100 Hz 1G, 12 m/s ²
Mechanical specifications	
Degree of protection	Type 4X (stainless steel) Type 4 (painted steel) IP66
Material	Bezel: black painted steel or 316L satinless steel
Installation	panel mount panel cutout: 536 x 358 mm (21.5 x 14.1 inch)
Mass	11.3 kg (25 lb)
Dimensions	572 x 394 x 76 mm (22.5 x 15.5 x 3.0 inch)
Data for application in connection with hazardous areas	
Certificate	DEMKO 12 ATEX 1107369X Ⓢ II 3G Ex nA nC IIC T4 Gc Ⓢ II 3G Ex nA IIC T4 Gc
Certificate	PF15CERTB098X Ⓢ II 3D Ex tc IIIC T85°C Dc ("B1" version only)
Directive conformity	
Directive 2014/34/EU	EN 60079-0:2012/A11:2013 EN 60079-15:2010 EN 60079-31:2014 ("B1" version)
IECEx approval	IECEx UL 12.0028X
International approvals	
UL approval	UL Listing (E190294) for Class I Div 2, Groups A, B, C, D Class II Div 2, Groups F, G UL Listing (E185778) for Ordinary Locations

D M 8 2 2 1 A - G P - V 2 D C - C L 5 N K 0 L 0 - S 0 - N

DM8221 Direct monitor, 21.5" (54.6 cm) Full HD (1920 x 1080 pixels)