

Features

- 22 inch TFT display w/ optional touch screen
- Widescreen 16:10 aspect ratio
- Seams continuously welded and ground smooth (Type 4/4X, IP66)
- Various keyboard/mouse options
- Video transfer via EtherNet/IP connection
- 100 mm VESA mount
- Class I, Div. 2 / ATEX Zone 2 approved

Application

The RM922 remote monitor is designed for continuous use in harsh environments such as manufacturing, oil & gas, and chemical applications.

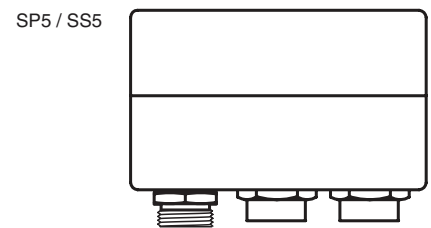
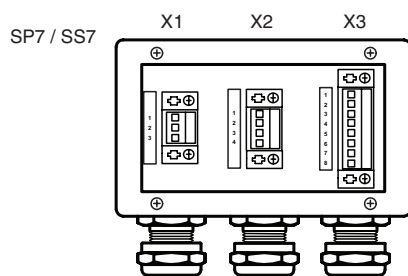
The RM transmits video data digitally from the host PC to the monitor over an Ethernet connection using RDP, VNC, or ICA protocol.

The compact housing design allows for easy mounting using the industry standard 100 mm VESA mount.

This 22" monitor features an optional touchscreen and keyboard with various mouse options.



Connection



X1 Terminals	AC	DC
1.1	L	+
1.2	N	-
1.3	GND	GND

X2 Terminals	Description
2.1	VCC RD
2.2	D+ GN
2.3	D- WH
2.4	GND BK

X3 Terminals	Description
3.1	BI_DA + WH/GN
3.2	BI_DA - GN
3.3	BI_DB + WH/OR
3.4	BI_DC + BU
3.5	BI_DC - WH/BU
3.6	BI_DB - OR
3.7	BI_DD + WH/BN
3.8	BI_DD - BN



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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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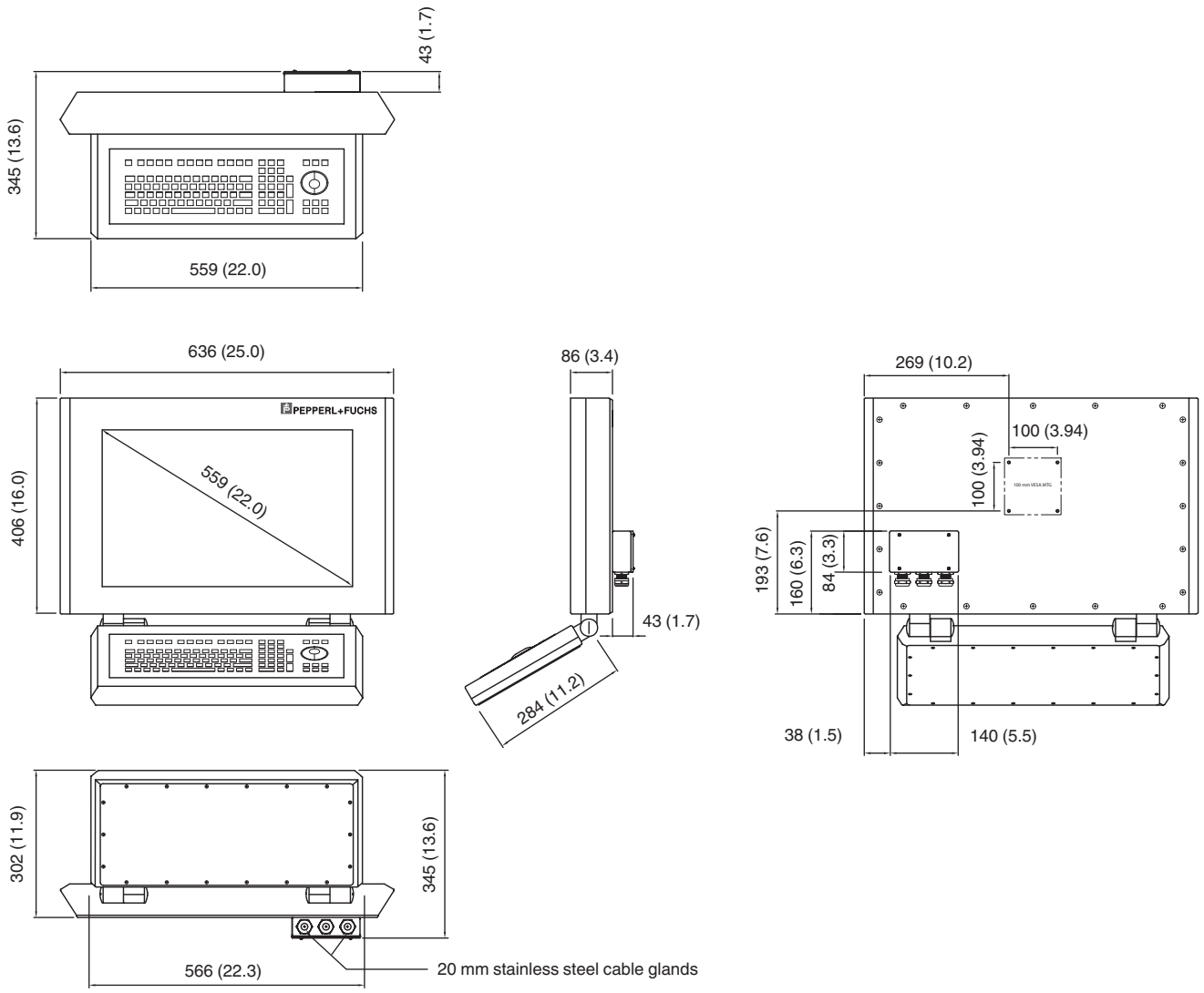
Germany: +49 621 776 2222
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Hardware	
Processor	Intel® Atom™ E3826 1.46 GHz
RAM	4 GB
Mass storage	compact flash: 32 GB CFAST
Supply	
Power consumption	70 W max, 100 ... 240 VAC, 50 ... 60 Hz, or 24 VDC
Indicators/operating means	
Display	
Screen diagonal	22 inch (559 mm)
Response time	4 ms
Resolution	1680 x 1050
Color depth	24 bit (16.7 M) color
Contrast	1000:1
Brightness	250 cd/m ² (nits)
Reading angle	160° in all directions
Life span	back lamp life: 50,000 hrs typical half life
Input devices	
Touchscreen	5-wire resistive
Keyboard	touchpad , optical trackball (50 mm) , joystick connections : USB
Interface	
Interface type	1 x RJ-45 (GB ethernet) , 1 x USB 2.0 , 1 x power 1 x Fiber optic LAN, SC duplex, multimode (optional)
Directive conformity	
Electromagnetic compatibility	
Directive 89/336/EEC	EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3
Software	
Operating system	VisuNet RM Shell 4.x (based on Microsoft Windows Embedded Standard 7) or VisuNet RM Shell 5.x (based on Windows 10 IoT LTSC)
Ambient conditions	
Operating temperature	-20 ... 45 °C (-4 ... 113 °F)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
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	Main enclosure: painted black steel or 316L stainless steel Main enclosure (rear cover): 6062 anodized aluminum, marine grade
Installation	100 mm (3.9 inch) VESA mount
Mass	Main unit: 15.9 kg (35 lb) without keyboard; 21.3 kg (47 lb) with keyboard
Dimensions	Main enclosure: 636 x 406 x 86 mm (25.0 x 16.0 x 3.4 inch), junction box adds 43 mm (1.7 inch) to depth Keyboard enclosure: 559 x 254 x 51 mm (22.0 x 10.0 x 2.0 inch)
Data for application in connection with hazardous areas	
EU-Type Examination Certificate	
Marking	⊕ II 3G Ex ic nA IIC T4 Gc
International approvals	
ETL Intertek	Class I, Div. 2 Groups A, B, C, D; T4

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Dimensions



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Accessories

VISUNET-RM-SHELL4

VISUNET-RM-SHELL4-CC

VISUNET-RM-SHELL4-DRDC

VISUNET-RM-SHELL5

Thin Client Firmware for VisuNet Remote Monitors

VISUNET-CONTROL-CENTER

VISUNET-RM-SHELL4-PRO

VISUNET-RM-SHELL5-CC

VisuNet Control Center License Key for RM Shell 5

VISUNET-RM-SHELL5-DRDC

DRDC License Key for RM Shell 5

DKX2-101-V2

Raritan Dominion KVM Switch

VISUNET-RM-SHELL5-PRO

PRO License Key for RM Shell 5

VESA CABLE FEEDTHROUGH

Type code

R M 9 2 2 A - D 2 - T 51 A C - S P 5 C K 0 L 0 - S 0 - N

<p>Options N No options</p> <p>Special accessories S0 No special accessories FO Fiber optic LAN output LL Dual copper LAN (Gigabit Ethernet)</p> <p>Keyboard layout L0 No keyboard, no layout US Keyboard, layout U.S.</p> <p>Keyboard/mouse version K0 No keyboard, no mouse K4 Foil keyboard & capacitive touchpad mouse K6 Foil keyboard & joystick K8 Foil keyboard & 50 mm optical trackball mouse K9 Foil keyboard & resistive touchpad mouse</p> <p>Keyboard housing C Hinge mounted N No keyboard, no mouse</p> <p>Housing version SP5 IND housing, black painted steel, rear junction box with IP67 connectors - "GP" Protection only SS5 IND stainless steel (316L) housing, rear junction box with IP67 connectors - "GP" Protection only SP7 IND housing, black painted steel, rear junction box with cable glands SS7 IND stainless steel (316L) housing, rear junction box with cable glands</p> <p>Power supply AC 90 ... 260 V AC, 50 ... 60 Hz - "GP" & "D2" Protection only DC 24 V DC</p> <p>Board specifications T51 Thin client, Atom E3826 1.46 GHz, 4 GB RAM, 32 GB CFast, RM Shell (W7 embedded) T61 Thin client, Atom E3826 1.46 GHz, 4 GB RAM, 32 GB CFast, RM Shell (Windows 10 IoT)</p> <p>Protection D2 Class I, Div. 2 Groups A, B, C, D GP Industrial, Non-EX V3 Class I, Div. 2 Groups A, B, C, D / ATEX Zone 2</p> <p>Screen type A Antiglare glass front, non-touch T Touch screen, resistive, 5-wire</p>	<p>RM922 Remote monitor, 22 in (559 mm), WSXGA (1680 x 1050 pixels), Ethernet Network connection, RDP, TCP/IP</p>
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