KVM Workstation

KM921 Series

- 21.5 inch Full HD display with optional touch screen
- Widescreen 16:9 aspect ratio
- Ruggedized housing
- Various keyboard/mouse options
- Connects to host PC via internal KVM extender
- Class I, Div. 2 / ATEX Zone 2 approved

21.5 inch (54.6 cm) industrial KVM monitor

Function

VisuNet IND KM921 rugged industrialized housing was made to extend the control room into the toughest process conditions. The KVM extender option allows the display and the host PC to be up to 400 m (1300 ft) apart and is certified for installation in Class I/Div 2 and ATEX Zone 2 locations.

Designed for manufacturing environments where dust, bacteria, water, and other undesirable materials might accumulate, the enclosure construction and surfaces provide wash down solutions proper drainage to prevent standing water and easily mounts utilizing the industry standard 100 mm VESA.

This 21.5" monitor features an optional touch screen, keyboard with various mouse options, and choice of one of three KVM types.
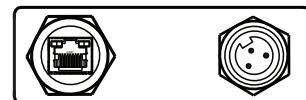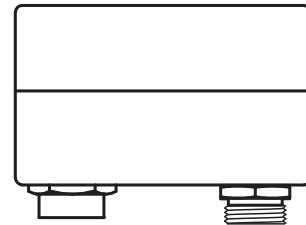
Connection

SP7 / SS7

Fiber

CAT5 Terminals	Description	
1.1	BI_DA +	WH/GN
1.2	BI_DA −	GN
1.3	BI_DB +	WH/OR
1.4	BI_DC +	BU
1.5	BI_DC −	WH/BU
1.6	BI_DB −	OR
1.7	BI_DD +	WH/BN
1.8	BI_DD −	BN
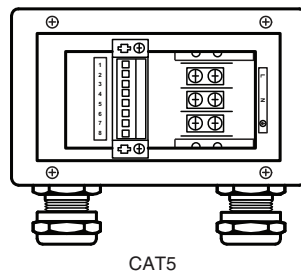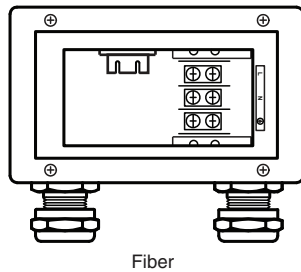
CAT5

SP5 / SS5

Fiber

CAT5

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

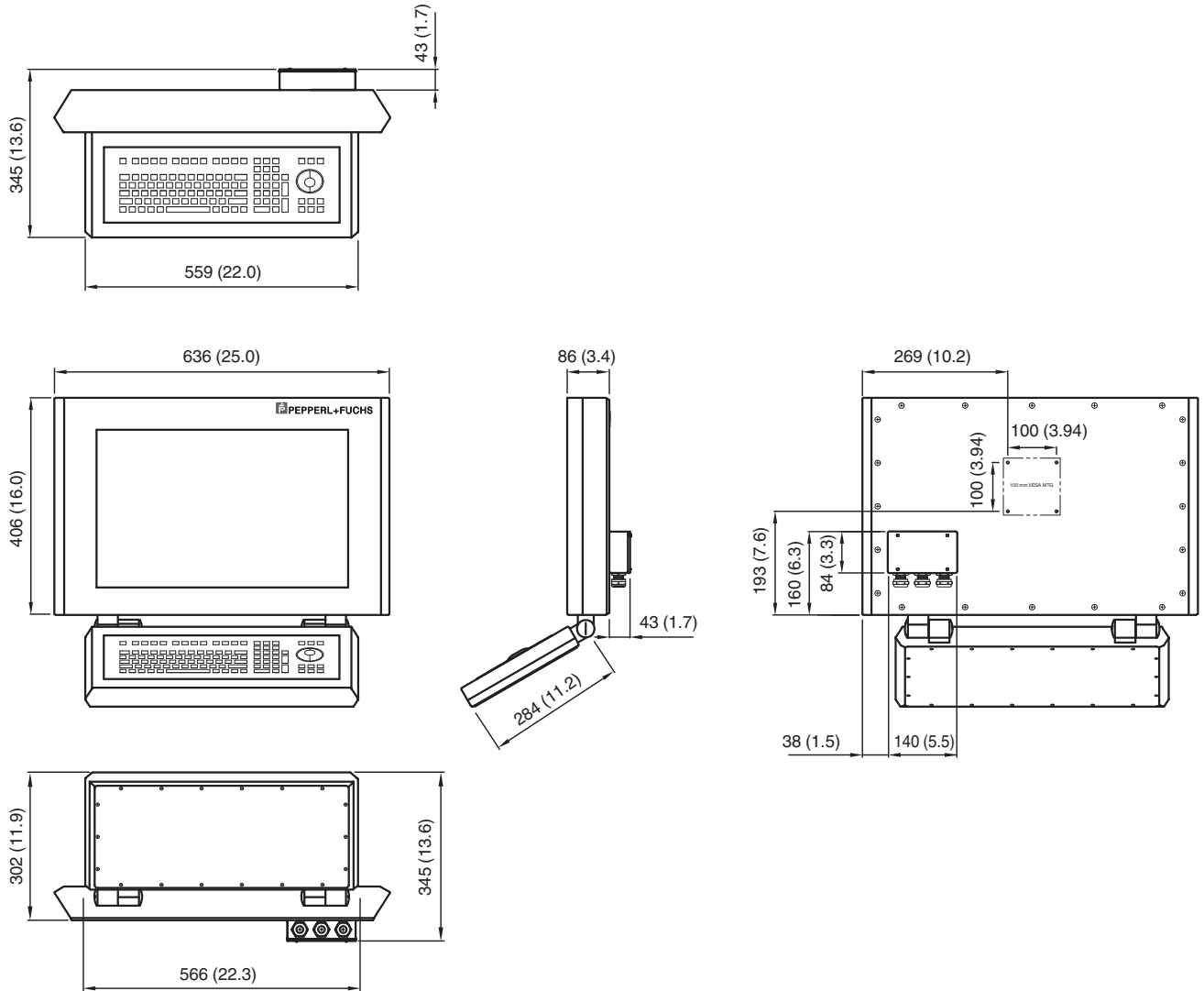Pepperl+Fuchs Group
www.pepperl-fuchs.com
USA: +1 330 486 0002
pa-info@us.pepperl-fuchs.com
Germany: +49 621 776 2222
pa-info@de.pepperl-fuchs.com
Singapore: +65 6779 9091
pa-info@sg.pepperl-fuchs.com

PEPPERL+FUCHS

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Dimensions

Technical Data

General specifications

Distance	Transmitter "K4": 120 m (400 ft) Transmitter "K5": 200 m (650 ft), 62.5 μ multimode; 400 m (1300 ft), 50.0 μ multimode

Supply

Connection	Monitor: power, CAT5, fiber (LC)
Power consumption	Main unit: 50 ... 60 Hz; 20-30 VDC Transmitter "K4": 5 VDC @ 10 W, max Transmitter "K5": 5 VDC @ 10 W, max

Indicators/operating means

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

Pepperl+Fuchs Group   USA: +1 330 486 0002   Germany: +49 621 776 2222   Singapore: +65 6779 9091   PEPPERL+FUCHS   2
www.pepperl-fuchs.com   pa-info@us.pepperl-fuchs.com pa-info@de.pepperl-fuchs.com   pa-info@sg.pepperl-fuchs.com

Technical Data

Indicators	Transmitter "K4": video check LED; front panel - power Transmitter "K5": video check LED; front panel - power
Display	
Screen diagonal	21.5 inch (546 mm)
Response time	25 ms (standard brightness) 5 ms (high brightness)
Resolution	1920 x 1080 Full HD
Color depth	24 bit (16.7 M) color
Contrast	5000:1 (standard brightness) 900:1 (high brightness)
Brightness	300 cd/m² (nits) - standard brightness 1200 cd/m² (nits) - high brightness
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	Transmitter "K4": 29-pin DVI-D; 2 x USB Type B (keyboard, mouse/touchscreen); 1 x RS232 (touchscreen); 1 x RJ45 (CAT5e/6) Transmitter "K5": 29-pin DVI-D; 1 x USB Type B (keyboard, mouse/touchscreen); 1 x RS232 (touchscreen); fiber optic (multimode) LC connectors
Touchscreen	5-wire resistive 5-wire hardened resistive
Keyboard	touchpad , optical trackball (50 mm) , joystick
Serial data	
Baud rate	19.2 KBd max
Flow control	RTS, CTS, DTR, DSR
Directive conformity	
Electromagnetic compatibility	
Directive 89/336/EEC	EN55022A, EN61000-6-2, EN61000-3-2, EN61000-3-3
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/s²
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 Transmitter "K4": 0.3 kg (0.7 lbs) Transmitter "K5": 0.3 kg (0.7 lbs)
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) Transmitter "K4": 104 x 135 x 36 mm (4.1 x 5.3 x 1.4 inch) Transmitter "K5": 104 x 135 x 36 mm (4.1 x 5.3 x 1.4 inch)
Data for application in connection with hazardous areas	
EU-type examination certificate	
Marking	⟨Ex⟩ II 3G Ex ic nA IIC T4 Gc
International approvals	
ETL approval	Class I, Div. 2 Groups A, B, C, D; T4

Accessories

	VESA CABLE FEEDTHROUGH	Slimline adapter plate

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www.pepperl-fuchs.com   pa-info@us.pepperl-fuchs.com   pa-info@de.pepperl-fuchs.com   pa-info@sg.pepperl-fuchs.com   PEPPERL+FUCHS   3

Type Code

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K M 9 2 1 A – D 2 – K 5 A C – S S 7 N K 0 L 0 – S 0 – N
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Options
N   No options

Special accessories
S0   No special accessories

Keyboard layout
L0   No keyboard, no layout
US   Keyboard, layout U.S.

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

Keyboard housing
N   No keyboard, no mouse
C   Hinge mounted

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

Power supply
DC   24 V DC

Board specifications
K4   KVM for DVI-D video included, 2x USB interface, 1x RS232, CATx cable transmission
K5   KVM for DVI-D video included, 2x USB interface, 1x RS232, fiber-optic transmission (multi-mode), 2x LC connectors

Protection
V3   Class I, Div. 2 Groups A, B, C, D / ATEX Zone 2
GP   Industrial, Non-EX
D2   Class I, Div. 2 Groups A, B, C, D

Screen type
A   Antiglare glass front, non-touch
R   Touch screen, resistive, 5-wire, hardened glass
T   Touch screen, resistive, 5-wire
U   High-bright display, with touch screen, 5-wire resistive
F   High-bright display, non-touch, antiglare
K   High-bright display, with touch screen, 5-wire hardened resistive

KM921   KVM monitor, 21.5" (54.6 cm), Full HD (1920 x 1080), internal KVM extender

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