

## Features

- Remote Monitor
- Can also be operated as Extended Desktop, Clone Monitor and with several host PCs
- Device installation in Zone 1 and Zone 21
- 19" Monitor (48.3 cm)
- Network based data transfer via Ethernet (optional RDP, VNC or ICA)
- Adapted for distances up to 90 m (or 2 km by using an optionbox)

## Application

VisuNet EX1 devices are operator workstations for use in harsh industrial conditions. Typical application locations are the chemical and the pharmaceutical industries as well as the petrochemical industry.

The operator workstations are available as Remote Monitors and as Panel PCs.

The Remote Monitors are suitable for use in distributed control systems or can be connected to several Host PCs.

Remote Monitors can be operated as multimonitor systems (several RMs at one Host PC or several Host PCs at one RM) as well as in the form of Extended Desktops. Data is being transmitted Host PC either via RDP, VNC or ICA.

The network capabilities of the Remote Monitors ensure failure-free and pure digital data transmission. The operator workstations are administered via their IP addresses, so that topology changes can be made without hassle. No additional software installation is required.



<b>General specifications</b>	
Type	Remote Monitor
<b>Supply</b>	
Rated voltage	24 V DC ( 20 ... 30 V DC )
Power consumption	max. 75 W
<b>Indicators/operating means</b>	
<b>Display</b>	
Screen diagonal	48.3 cm (19 inch)
Resolution	1280 x 1024 pixels representable: 640 x 480 up to 1280 x 1024 pixels
Color depth	16 Mio.
Contrast	1000:1
Brightness	300 cd/m <sup>2</sup>
Reading angle	89° / 89° / 89° / 89°
Life span	50000 h
<b>Input devices</b>	
Touchscreen	Analog resistive touchscreen (optional)
Keyboard	Input device combined with keyboard and optional trackball/touchpad/joystick (optional)
<b>Interface</b>	
Interface type	USB , RS 485, RS 422, RS 232, Ethernet , TTY
<b>Ambient conditions</b>	
Operating temperature	-10 ... 50 °C (14 ... 122 °F) (at switching on) -20 ... 50 °C (-4 ... 122 °F) (when operating)
Storage temperature	-20 ... 60 °C (-4 ... 140 °F)
Relative humidity	max. 85 % non-condensing (48 h endurance test)
<b>Mechanical specifications</b>	
Protection degree	IP66
Installation	Mountable on floor, wall or ceiling several mounting options (turnable/fix) available
Mass	approx. 41 kg
Dimensions	537 x 457 x 158 mm (display) 590 x 700 x 470 mm (surface-mounted case)
Cut out dimensions	466 mm x 389 mm
<b>Data for application in connection with Ex-areas</b>	
EC-Type Examination Certificate	BVS 07 ATEX E 008 X
Group, category, type of protection	⊕ II 2G Ex e mb q [ib] IIC T4 ⊕ II 2D Ex tD A21 IP64 T85° [ibD] ⊕ II 3D Ex tD A22 IP64 T85° [ibD]
<b>International approvals</b>	
IECEX approval	IECEX BVS 08.0030X

**Type Code VisuNet EX1 RM**

Monitor Type	Screen Type	Ex Protection	Barcode Reader	Interface Options	Housing Version	Mounting Remote	Mounting & Keyboard	Keyboard & Mouse	Keyboard Layout	Options
<b>Monitor Type, Display Size</b>										
RM519	Remote Monitor 19"									
<b>Screen Type</b>										
E-	Anti-Reflex Glass									
T-	Touchscreen (resistive)									
<b>Ex Protection</b>										
2G	C	ATEX II 2G Ex embq [ib] IIC T4, Gas Ex, Zone 1								
2G + 3D	E	ATEX II 2G3D Ex embq [ib] IIC T4, Ex tD A22 IP64 T85°C, Gas & Dust Ex, Zone 1 & 22 non conductive dust								
0	F	ATEX II 2G2D Ex embq [ib] IIC T4, Ex tD A21 IP64 T85°C, Gas & Dust Ex, Zone 1 & 21								
2G	P	IECEX & ATEX II 2G Ex embq [ib] IIC T4, Gas Ex, Zone 1								
2G + 3D	M	IECEX & ATEX II 2G3D Ex embq [ib] IIC T4, Ex tD A22 IP64 T85°C, Gas & Dust Ex, Zone 1 & 22 non conductive dust								
2G + 3D	J	IECEX & ATEX II 2G2D Ex embq [ib] IIC T4, Ex tD A21 IP64 T85°C, Gas & Dust Ex, Zone 1 & 21								
ind	N	Industrial Non-Ex version								
<b>Barcode Reader Interface</b>										
	-N	No identification system								
	-A	Ex i Radio Barcode Reader Interface integrated, including barcode reader holder and socket connector for housing								
	-S	Ex i Wired Barcode Reader interface integrated								
<b>Interface Options</b>										
	B-	1x Ethernet, 1x USB <sup>e</sup> (Ex e), 2x USB <sup>i</sup> (IS)								
	Z-	1x Ethernet, 1x USB <sup>e</sup> (Ex e), 3x USB <sup>i</sup> (IS), 1x RS232 (Ex e)								
<b>Housing Versions</b>										
	AG0	No housing, for Panel Mount Version, display front plate stainless steel 1.4301 (304)								
	AG1	Stainless Steel Housing (1.4301/304), Service opening to the front, hinges on the left side								
<b>Mounting Version, Remote Monitor</b>										
	N	Panel Mount version of Remote Monitor								
	W	Wall mount version of Panel-PC, including Wall bracket								
	P	Prepared for Mounting the accessories Pedestal/Wall Arm/Ceiling								
<b>Mounting version keyboard with mouse</b>										
	N	No keyboard								
	F	Stainless steel keyboard & mouse housing, fixed ergonomically attached								
	L	Stainless steel keyboard & mouse housing, fixed vertically attached								
	T	Stainless steel keyboard & mouse housing, desktop version								
<b>Keyboard mouse version</b>										
	K0	No keyboard								
	K3	Foil keyboard & mechanical Trackball								
	K4	Foil keyboard & Touchpad								
	K6	Foil keyboard & Joystick								
<b>Keyboard layout</b>										
	L0	No keyboard, no mouse								
	US	Keyboard layout US-international								
	DE	Keyboard layout German								
	FR	Keyboard layout French								
	XX	Other keyboard layout on demand								
<b>Options</b>										
	N	VisuNet Basic Version RDP, Citrix ICA and VNC functionality								
	E	VisuNet CC full license + Multi monitor function								

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