Features

- Remote Monitor
- Can also be operated as Extended Desktop, Clone Display and with several host PCs
- Device installation in Zone 1 und Zone 21
- 15'' Monitor (38.1 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.

CE   〈Ex〉

General specifications	
Type	Remote Monitor
Supply	
Rated voltage	24 V DC (20 ... 30 V DC)
Power consumption	max. 75 W
Indicators/operating means	
Display	
Screen diagonal	38,1 cm (15 inches)
Resolution	1024 x 768 pixels representable: 640 x 480 up to 1024 x 768 pixels
Color depth	16 Mio.
Contrast	400:1
Brightness	250 cd/m^2
Reading angle	85° / 85° / 85° / 85°
Life span	50000 h
Input devices	
Touchscreen	Analog resistive touchscreen (optional)
Keyboard	Input device combined with keyboard and optional trackball/touchpad/joystick (optional)
Interface	
Interface type	USB , RS 485, RS 422, RS 232, Ethernet , TTY
Ambient conditions	
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)
Mechanical specifications	
Protection degree	IP64
Installation	Mountable on floor, wall or ceiling several mounting options (turnable/fix) available
Mass	approx. 33 kg
Dimensions	503 x 423 x 142 mm (display) 590 x 700 x 470 mm (surface-mounted case)
Cut out dimensions	432 mm x 355 mm
Data for application in connection with Ex-areas	
EC-Type Examination Certificate	BVS 07 ATEX E 008 X
Group, category, type of protection	⟨Ex⟩ II 2G Ex e mb q [ib] IIC T4 ⟨Ex⟩ II 2D Ex tD A21 IP64 T85° [ibD] ⟨Ex⟩ II 3D Ex tD A22 IP64 T85° [ibD]
International approvals	
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
Monitor Type, Display Size										
RM519	Remote Monitor 19"									
	Screen Type									
	E-	Anti-Reflex Glass								
	T-	Touchscreen (resistive)								
		Ex Protection								
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								
		Barcode Reader Interface								
		-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								
			Interface Options							
			B-	1x Ethernet, 1x USBe (Ex e), 2x USBi (IS)						
			Z-	1x Ethernet, 1x USBe (Ex e), 3x USBi (IS), 1x RS232 (Ex e)						
				Housing Versions						
				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					
					Mounting Version, Remote Monitor					
					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				
						Mounting & Keyboards				
						K0	No keyboard			
						K3	Foil keyboard & mechanical Trackball			
						K4	Foil keyboard & Touchpad			
						K6	Foil keyboard & Joystick			
							Keyboard Layout			
							L0	No keyboard		
							US	US-international keyboard layout		
							DE	German keyboard layout		
							FR	French keyboard layout		
								Options		
								-N	VisuNetCC Basic Version, RDP, Citrix ICA and VNC Client functionality	
								-E	VisuNetCC full license+Multi-Monitor Function	

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