



- MANTA Operator Station 24" as KVM solution
- CAT or fiber optic single mode / multi-mode
- For Zones 1, 21 / 2, 22 / Class I, Div 2 or safe areas
- ATEX, IECEx, EAC, NEC, CEC, PESO, KCS, CNEx, CCC, RCM and DNV / GL
- Temperature range: -20 °C ... +55 °C

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MY R. STAHL MANTAKVMOSA

The MANTA KVM systems have been designed as classic KVM solutions for visualisation and operation of remote devices - with worldwide certifications for Zones 1, 2, 21, 22 and Division 2. They are available as panel-mount modules (PM) or operator stations with enclosure (OS). Data is transmitted via copper cable or FO (CAT <100 m), single mode <10 km, multi-mode <550 m). Their brilliant 24" widescreen displays with a resolution of 1920 x 1080 pixels (format 16:9) are available with or without touch screen. The stainless steel enclosures (SS304 or SS316L) are available with a front opening or in cleanroom-compliant design and with different mounting options. Accessories include country-specific keyboards, pointer instruments and RFID and barcode readers.

Selection Table				
HMI type Product description	Operator Station 24" KVM system			
Product Type	Interface medium	Data cable length	Art. No.	Weight
OS ET-677-DVI3-CAT	CAT7 Data transmission	Max. 150 m		-
OS ET-677-DVI3 Class I Div. 1	-	CAT up to 150 m (492 ft) MM up to 550 m (1,804 ft) via 50/125 µm fibre optic cable MM up to 275 m (902 ft) over 62.5/125 µm fibre optic cable SM up to 10 m (33 ft) over 9/125 µm fibre optic cable		-
OS ET-677-DVI3-MM	Multi-mode optical cable	max. 550 m, with 50 µm FO cable max. 300 m, with 62.5 µm FO cable		-
OS ET-677-DVI3-SM	Single mode optical cable	max. 10 km		-
OS IT-677-DVI3-CAT	CAT5 Data transmission	Max. 150 m		-
OS IT-677-DVI3-MM	Multi-mode optical cable	max. 550 m, with 50 µm FO cable max. 300 m, with 62.5 µm FO cable		-
OS IT-677-DVI3-SM	Single mode optical cable	max. 10 km		-
OS MT-677-DVI3-CAT	CAT7 Data transmission	Max. 150 m		-
OS MT-677-DVI3-MM	multi-mode optical fibre cable	max. 550 m, with 50 µm FO cable max. 300 m, with 62.5 µm FO cable		-
OS MT-677-DVI3-SM	Single mode optical cable	max. 10 km		-

Technical Data				
Variant	OS ET-677-DVI3-CAT	OS ET-677-DVI3 Class I Div. 1	OS MT-677-DVI3-CAT	OS IT-677-DVI3-CAT
Explosion Protection				
Application range (zones)	1 2 21 22	1 2 21 22	2 22	Non-Ex
Application range (divisions)	Class I, Division 2	Class I, Division 2		
IECEx certification	IECEx BVS 11.0075X	IECEx BVS 11.0075X	IECEx BVS 14.0034X	
ATEX certification	BVS 11 ATEX E 102 X	BVS 11 ATEX E 102 X	BVS 12 ATEX E 033 X	

Technical Data				
Variant	OS ET-677-DVI3-CAT	OS ET-677-DVI3 Class I Div. 1	OS MT-677-DVI3-CAT	OS IT-677-DVI3-CAT
Explosion Protection				
Scope	EU (CE / ATEX) International (IECEX) USA (NEC) Canada (CEC) India (PESO) Korea (KCS) China (CCC / CNEEx) Australia (RCM)	EU (CE / ATEX) Global (IECEX) USA (ETL / NEC) Canada (CEC) India (PESO) Korea (KCS) China (CCC / CNEEx) Australia (RCM)	EU (CE / ATEX) International (IECEX) China (CCC / CNEEx) Australia (RCM)	
Electrical Data				
Rated operational voltage AC	230 V	230 V	230 V	230 V
Ambient Conditions				
Ambient temperature operation	-20 °C ... +55 °C	-20 °C ... +55 °C	-20 °C ... +55 °C	-20 °C ... +55 °C
Storage temperature	-30 °C ... +70 °C	-30 °C ... +70 °C	-30 °C ... +70 °C	-30 °C ... +70 °C
Display				
Display version	TFT Color display	TFT Color display	TFT Color display	TFT Color display
Total pixels	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Display dimensions	16:9	16:9	16:9	16:9
Display brightness	300 cd/m²	300 cd/m²	300 cd/m²	300 cd/m²
Display contrast	1000:1	1000:1	1000:1	1000:1
Backlight	LED Technology	LED Technology	LED Technology	LED Technology
Mechanical Data				
Material front	Aluminium / stainless steel	Aluminium / stainless steel	Aluminium / stainless steel	Aluminium / stainless steel
Material back	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Ingress protection	IP66	IP66 / NEMA 4X	IP66	IP66
Mounting / Installation				
Enclosure type	Stainless steel enclosure (FR) optional clean room (CFR)	Stainless steel enclosure clean room (CFR)	Stainless steel enclosure (FR) optional clean room (CFR)	Stainless steel enclosure (FR) optional clean room (CFR)
Mounting option	Wall, elbow, stand	Wall, stand	Wall, elbow, stand	Wall, elbow, stand
Components				
Keyboard	optional, 105 keys with trackball / joystick / touchpad (Ex ia)	optional, 105 keys (104 (Amer- ican) / 109 (Japanese)) with trackball / joystick / touchpad (Ex ia)	optional, 105 keys with trackball / joystick / touchpad (Ex ia)	optional, 105 keys with trackball / joystick / touchpad

Configurator

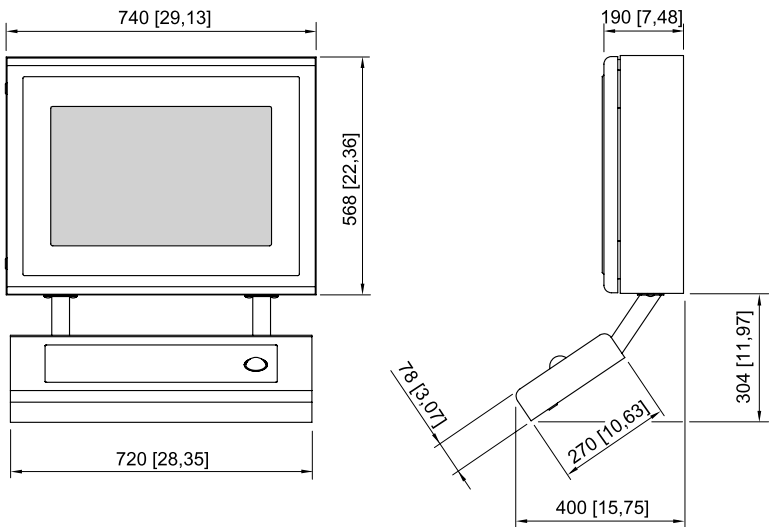
Series		Enclosure type and material	
Class I, Division 1	X	Cleanroom enclosure with front door (CFRP), SS304	X
Display size		Outdoor Design	
24", 1920 x 1080 - Format 16:9	X	-20 °C (-4 °F) (Indoor)	X
Transfer Technology		Keyboard layout, mounted inside enclosure	
DVI3 STAHL KVM Technology	X	No Keyboard and no pointing device	
		KB2 keyboard, layout DE	
		KB2 keyboard, layout US	
		KB2 keyboard, layout FR	
Media / Digital data transmission			
via copper Ethernet CAT5/CAT7			
via FO Ethernet multi-mode			
via FO Ethernet Single mode			
Touch		Integrated pointing device	
No Touch		No integrated pointing device	
Analogue resistive polyester foil		Trackball 50 mm	
Analogue resistive glass touch		Touch Pad	
		Joystick	
Power supply			
24 VDC			
100 – 240 VAC			
Front design		Further options 1	
Panel mount with aluminum front plate		Pressurised system type Y (Y-Purged), inclusive power supply- and alarm barrier	X
Panel mount with stainless steel front plate			

Send your configuration to Automationteam@r-stahl.com and request a quote today.

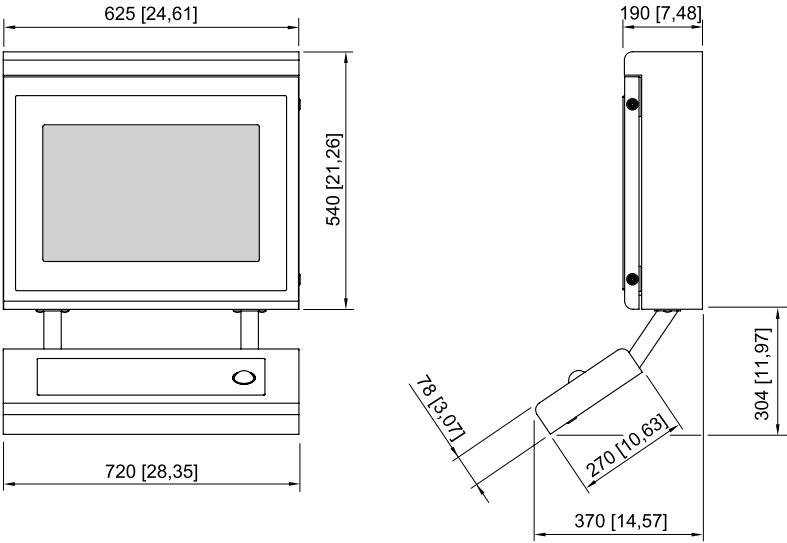
Accessories

Figure	Description	Art. No.	Weight
Transmission Unit			
	KVM-DVI3-CAT KVM Transmission Unit DVI3 Connection to PC via DVI/USB Data transmission CAT7 Desktop enclosure	221092	1.5 kg
	KVM-DVI3-MM-FO KVM Transmission Unit DVI3 Connection to PC via DVI/USB Data transmission MM-FO Desktop enclosure	221093	1.5 kg
	KVM-DVI3-SM-FO KVM Transmission Unit DVI3 Connection to PC via DVI/USB Data transmission SM-FO Desktop enclosure	221094	1.5 kg
Accessories Transmission Unit			
	DVI3-RackMountKit-1 19" Rack Mount front cover for 1 DVI3 transmission unit	221095	200 g
	DVI3-RackMountKit-2 19" Rack mount front cover for 2 DVI3 transmission units	221096	1 kg

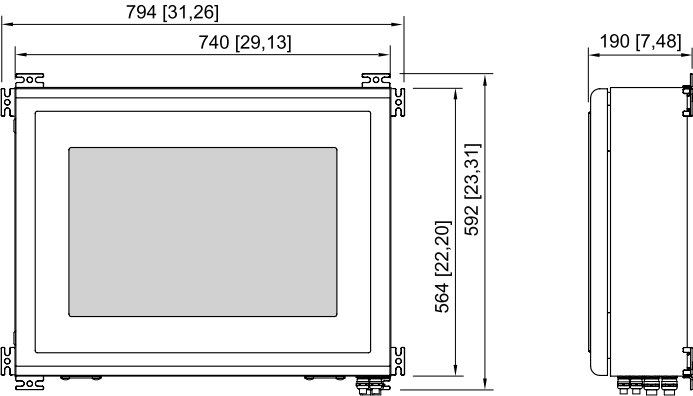
Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Operator Station FR enclosure



Operator Station CFR enclosure



Operator Station FR enclosure, wall mounting

