31.5"
42"
46"
55"

DATA DISPLAY GROUP

POS-Line Monitor
repre

PRELIMINARY

MONITORS 31.5" - 55"
Fire load and smoke-optimized

DATA DISPLAY GROUP

www.datadisplay-group.com

Safety through Fire Prevention

The Data Display Group has been developing and manufacturing industrial monitors and display solutions for more than twenty years. Based on the POS-Line series, the Data Display Group has developed a series of monitors which has been specifically optimized for fire behavior and flue gas development. All plastic parts, adhesive tapes and other combustible parts have been eliminated as far as possible. The housing has been completely made of metal. In the absence of a classification system for electronic devices, the monitors were tested according to DIN EN 13501-1 using the SBI method according to EN 13823: 2010-12. The necessary fire test was carried out at the MFPA-Leipzig/Germany, which is a test body for material research and inspection authority for construction engineering industry. Tested results in accordance with the above mentioned standards were confirmed by an independent expert. The fire test has shown that the measured values are clearly below the class B-S1, d0, which makes the classification of the monitor in (B) which means hardly inflammable, and (S1) which means no or hardly flue gas development and (d0) no draining.
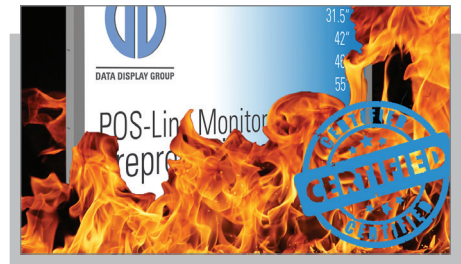
Note:

Electrical appliances cannot strictly be classified according to the standard DIN EN 13501-1 for building materials. Since an appropriate standard for electrical appliances is not available, was carried out the flammability test following DIN EN 13501-1 as a basis for comparison with building products.
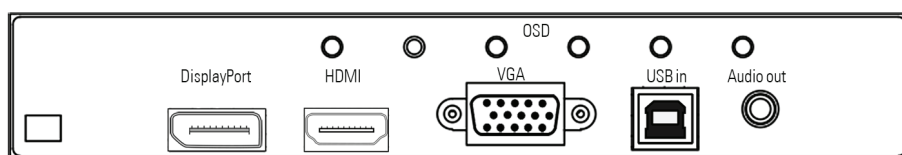
- ◼ DISPLAYS FOR ESCAPE ROUTES ACCORDING B-S1,D0

- ◼ NO/ BARELY SMOKE GAS DEVELOPMENT

- ◼ NO BURNING DROPLETS

- ◼ INTEGRATED THERMAL SECURITY

- ◼ HALOGRAPHY POWER SUPPLY

- ◼ FIRE LOAD CERTIFICATE

- ◼ INTEGRATED PC

- ◼ FIRE PROTECTION GLASS

- ◼ VESA

- ◼ ROBUST METAL CHASSIS
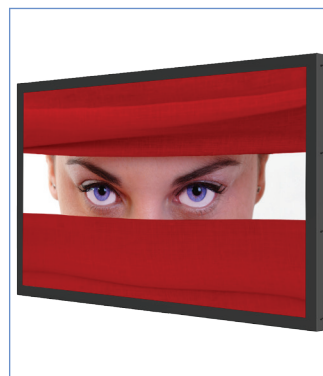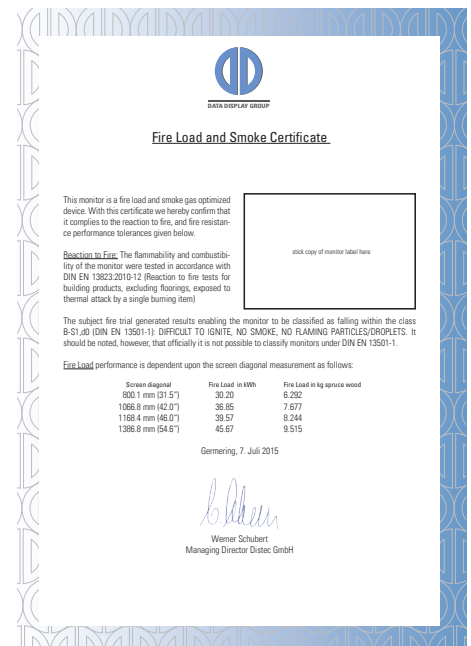
VGA, HDMI, DisplayPort
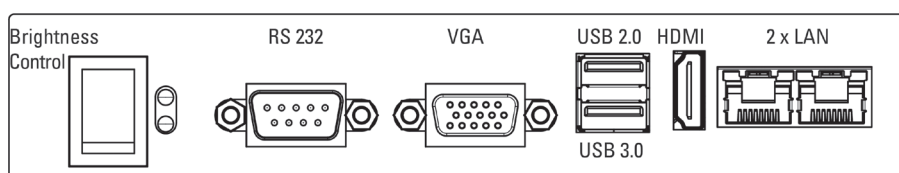
POS-Line 31.5" - 55" BLO

Order number		DS-91-727	DS-91-729	DS-91-731	DS-91-733
Size	[mm]/[inch]	800.1/ 31.5"	1066.8/ 42.0"	1168.4/ 46.0"	1386.8/ 54.6"
Type		Smoke gas and fire load optimized displays with certificate. Classified according to DIN EN13501-1 as B-s1,d0			
Resolution	[Pixel]	1920 x 1080 (FHD)			
Brightness	[cd/m²]	500	700		
Viewing angle	[°]	178 h/ 178 v			
Active Area	[mm]	698.40 x 392.85	930.24 x 523.26	1018.08 x 572.67	1209.60 x 680.40
Backlight		LED			
Colours	[M]	16.7	1073.7		
Contrast		3000:1	4000:1		
Response time (on/off)	[ms]	8		6.5	
Pixel class		ISO 9241 - 307 (pixel error class II)			
Lifetime backlight	[h]	50.000			
Interfaces		1 x VGA, 1 x HDMI 1.3a, 1 x DP 1.1a, 1 x Remote OSD, 1 x OSD 4 Key			
HDCP support		Yes			
VESA	[mm]	MIS-F 400 x 400 (M6)			
Ambient temperature operation	[°C]/ [°F]	10 ~ 40/ 50 ~ 104			
Ambient temperature storage	[°C]/ [°F]	-20 ~ 60/ -4 ~ 140			
Orientation		Portrait and landscape			
Chassis		Sheet steel, powder coated, RAL 9005 (black), fine texture, matte finish, including connection cover			
Front bezel		Sheet steel, powder coated, RAL 9005 (black), fine texture, matte finish			
Glass		Fire protection glass F30, tdb			
Power supply	[V]	AC 100 - 240V/ 50-60 Hz			
Power consumption (typ.)	[Watt]	tdb	tdb	tdb	tdb
Weight	[kg]/ [lb]	tdb	tdb	tdb	tdb
Dimensions (W x H x D)	[mm/ inch]	762 x 456 x 118.5 30.00 x 17.95 x 4.66	994 x 587 x 118 39.13 x 23.11 x 4.64	1081 x 636 x 117 42.56 x 25.04 x 4.61	1273 x 744 x 117.5 50.12 x 29.29 x 4.62
Conformity		CE, EU-RoHS			

PC Intel® Atom

POS-Line 31.5" - 55" BLO

Order number		DS-91-965	DS-91-966	DS-91-967	DS-91-968
Size	[mm]/[inch]	800.1/ 31.5"	1066.8/ 42.0"	1168.4/ 46.0"	1386.8/ 54.6"
Type		Smoke gas and fire load optimized displays with certificate. Classified according to DIN EN13501-1 as B-s1,d0			
Resolution	[Pixel]	1920 x 1080 (FHD)			
Brightness	[cd/m²]	500	700		
Viewing angle	[°]	178 h/ 178 v			
Active Area	[mm]	698.40 x 392.85	930.24 x 523.26	1018.08 x 572.67	1209.60 x 680.40
Backlight		LED			
Colours	[M]	16.7			
Contrast		3000:1	4000:1		
Response time (on/off)	[ms]	8		6.5	
Pixel class		ISO 9241 - 307 (pixel error class II)			
Lifetime backlight	[h]	50.000			
PC		CPU: Intel® Atom E3845 (1.9 GHz), Graphic: Intel® Valleyview SoC integrated Graphics RAM: 4 GB DDR3L, Storage: min. 120 GB mSATA			
Interfaces		2 x LAN 100/1000, 1 x USB 3.0, 1 x USB 2.0, 1 x HDMI, 1 x VGA, 1 x RS232			
HDCP support		—			
VESA	[mm]	MIS-F 400 x 400 (M6)			
Ambient temperature operation	[°C]/ [°F]	10 ~ 40/ 50 ~ 104			
Ambient temperature storage	[°C]/ [°F]	-20 ~ 60/ -4 ~ 140			
Orientation		Portrait and landscape			
Chassis		Sheet steel, powder coated, RAL 9005 (black), fine texture, matte finish, including connection cover			
Front bezel		Sheet steel, powder coated, RAL 9005 (black), fine texture, matte finish			
Glass		Fire protection glass F30, tdb			
Power supply	[V]	AC 100 - 240V/ 50-60 Hz			
Power consumption (typ.)	[Watt]	tdb	tdb	tdb	tdb
Weight	[kg]/ [lb]	tdb	tdb	tdb	tdb
Dimensions (W x H x D)	[mm/ inch]	762 x 456 x 118.5 30.00 x 17.95 x 4.66	994 x 587 x 118 39.13 x 23.11 x 4.64	1081 x 636 x 117 42.56 x 25.04 x 4.61	1273 x 744 x 117.5 50.12 x 29.29 x 4.62
Conformity		CE, EU-RoHS			

Mounts and Covers

Product	Order no.	Product description
Wall mount	DS-91-540	Inclinable wall mount for all displays from 31.5" up to 54.6"

Operating systems, Software

Product	Order no.	Product description
Windows 7 embedded 32 bit DE	DS-60-645	Operation system
Windows 7 embedded 32 bit EN	DS-60-650	Operation system
Windows 7 FES 64 bit DE	DS-60-725	Operation system
Windows 7 FES 64 bit EN	DS-60-781	Operation system
Windows 8.1embedded 64 bit DE	DS-60-764	Operation system
Windows 10 Pro. 64 bit DE	DS-60-811	Operation system
Windows 10 Pro. 64 bit EN	DS-60-810	Operation system
WEBPOStER	DS-60-787	WEBPOStER embedded Linux

DATA Display Group is represented through its own subsidiaries in Germany, the USA and England.

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