



DATA DISPLAY GROUP

# DATASHEET

138.7 cm (54.6") POS-LINE MONITOR  
HIGH BRIGHTNESS

[www.datadisplay-group.com](http://www.datadisplay-group.com)

In locations with a high ambient light level, for example shop windows, outdoors or brightly lit atria, displays with normal backlighting can be difficult to read. Data Display Group offers a range of products with a particularly strong backlight that are ideal in these conditions.

These displays have a backlight brightness of 1000 cd/m<sup>2</sup> and 2500 cd/m<sup>2</sup>. High-bright displays are available in diagonal sizes 31.5" and 54.6". To protect the panels, they are supplied as standard with temperature monitors and brightness controls. In the event the temperature becomes too high, or if ambient light levels fall, the display regulates the screen brightness down in stages. As an option, the equipment can be extended to incorporate a removable PC-Box with Intel Core-i3/5. Strong metal housings confirm our principle of development in accordance with industrial quality criteria.

- Displays for build-in and wall
- High quality LCD panels with LED backlight
- Optional with removeable PC box
- Brightness control and temperature monitoring
- Portrait or Landscape
- VESA



## Panel and housing

Panel Diagonal	[mm] / [Inch]	1386.8/ 54.6"
Type		Open -frame monitor (various bezels, true-flat glass and touch solutions are available under options)
Resolution	[Pixel]	1920 x 1080 FHD
Viewing angle	[°]	178 h / 178 v
Backlight		LED
Active area (H/V)	[mm]	1209.60 x 680.40
Number of colors	[M]	1073.7
Contrast ratio		4000:1
Pixel class		ISO 9241-307 (pixel error class II)
Life time back light	[h]	60.000
Mounting	[mm]	VESA MIS-F 400 x 400 (M6)
Storage temperature	[°C] / [°F]	-20 ~ 60 / -4 ~ 140
Operating temperature	[°C] / [°F]	0 ~ 40/ 32 ~ 104
Operating humidity	[%]	10 ~ 90 (non condensing)
Panel orientation		Landscape and Portrait
Location of connectors		Landscape: bottom Portrait: left (front view)
Location of OSD buttons		Landscape: bottom Portrait: left (front view)
Housing		Coated sheet steel, black RAL 9005
Power supply	[V]	AC 100 - 240/ 50-60 Hz
Conformity		CE, FCC Class A, EU-RoHS

## POS-Line High Bright 54.6"

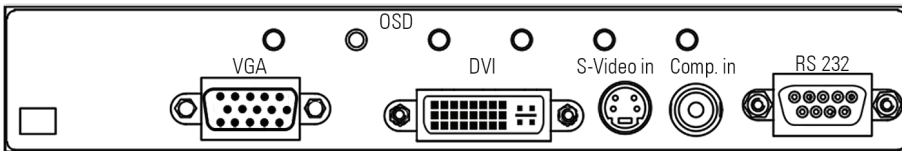


Open frame monitor

## VGA, DVI, S-Video, CVBS

### POS-Line 54.6" HB Video

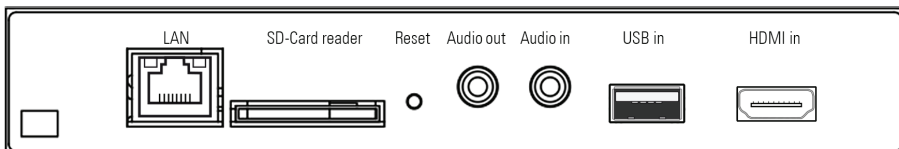
Order number		DS-91-708	DS-91-712
Interfaces		1 x VGA, 1 x DVI (HDMI via DVI), 1 x S-Video; 1 x Composite Video; 1 x RS232; 1 x OSD 4 button	
Luminance (center)	[cd/m <sup>2</sup> ]	1000	2500
Response time (on/off)	[ms]	6.5	8
Power consumption (typ.)	[Watt]	230	320
Weight	[kg/ lb]	40.0/ 88.18	
Dimensions (W x H x D)	[mm/ inch]	1270 x 741 x 145 50.0 x 29.17 x 5.71	



## Network Mediaplayer

### POS-Line 54.6" HB VideoPoster

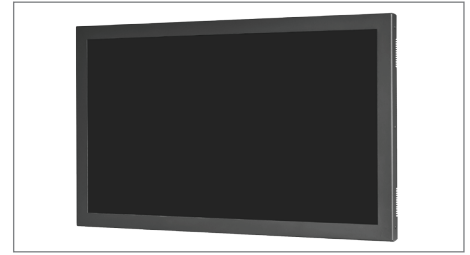
Order number		DS-91-709	DS-91-713
Interfaces		1 x LAN, 1 x USB, 1 x HDMI, 1 x Line out, 1 x Line in, 1 x SD card slot	
Luminance (center)	[cd/m <sup>2</sup> ]	1000	2500
Response time (on/off)	[ms]	6.5	8
Power consumption (typ.)	[Watt]	230	320
Weight	[kg/ lb]	40.0/ 88.18	
Dimensions (W x H x D)	[mm/ inch]	1270 x 741 x 145 50.0 x 29.17 x 5.71	



## Bezel

Order number		DS-91-716
Name		Front bezel
Finish		Steel, powdered, black RAL 9005
Weight	[kg/ lb]	1.90/ 4.19
Dimensions of monitor with option (W x H x D)	[mm/ inch]	1273 x 744 x 146 50.12 x 29.29 x 5.75

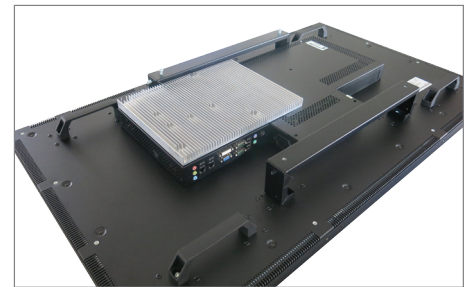
## Options



Front bezel is a metal bezel for the open frame chassis and VESA mount.

## External PC

Order number	DS-91-426	DS-427
Name	PC-Box i3	PC-Box i5
Description	PC Module for external mounting	
Interfaces	VGA, DVI, 2x RS232, 2x Ethernet RJ45, 4x USB 2.0, 4x USB 3.0, 3x Audio Jack 3,5mm, 2x PS2 for Mouse and Keyboard	
PC	CPU: Intel® Core-i3-(4 x 2.4 GHz), Grafik Intel HD 3000, RAM: 4GB DDR 3, Storage: 120 GB SSD	CPU: Intel® Core-i5 (4 x 3.2 GHz), Grafik Intel HD 3000, RAM: 4GB DDR 3, Storage: 120 GB SSD
Available for controller	Video PIII	
Fan	IQ Atom, IQ Core-i	all
Weight [kg/ lb]	4.8/	
Dimensions [mm/ inch]	344 x 260 x 72/ 13.54 x 10.24 x 2.83	



Optional removable PC box with Intel Core-i3/5 CPU. The PC box can be removed without taking the display down from the wall.

## Electronic

Order number	DS-91-905	
Name	WLAN	
Description	WLAN modul with antenna	
Details	Intel Centrino Wireless N2230 IEEE WLAN Standard: 802.11b/g/n up to 300 Mbps/ 2.4 GHz; Safety: WPA (TKIP)/ WPA2 (AES-CCMP)	
Can be combined with	with all front options	
Available for controller	IQ Core-i	

Product	Order no.	Product description
Power supply	DS-30-690	Desktop power supply. Necessary to operate a PC box from 31.5" without monitor, 24V/ 120 W
Remote control	DS-91-621	OSD remote controll for all displays of the Video PIII Series from 31.5" to 54.6"



## Mounts and Covers

## Accessories

Product	Order no.	Product description
Wall mount	DS-91-540	Inclinable wall mount for all displays from 31.5" up to 54.6"
Wall mount	DS-91-101	Titling wall mount for all displays from 46" up to 64.5"
Protective cover	DS-91-604	Installed on top of the display, dust shield prevents liquid or falling dust from penetrating the electronic part of the monitor via the upper air vents
Cable cover for connectors	DS-91-723	Cover for the cable connectors to prevent unauthorized persons from removing or plugging cables. For all POS-Line displays of the PME and PIII Series from 31.5" up to 54.6"
Cable cover for connectors	DS-91-578	Cover for the cable connectors to prevent unauthorized persons from removing or plugging cables. For all POS-Line displays of the IQ Core-i Series from 31.5" up to 54.6". Also suited for optional PC boxes DS-91-426 and DS-91-427.
Cable cover for connectors	DS-91-922	Cable cover. Only available in combination with covers DS-91-723 and DS-91-578.

## Operating systems, Software

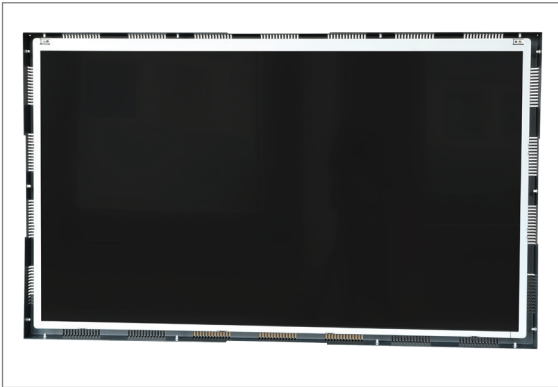
Product	Order no.	Product description
Windows 7 embedded 32 bit DE	DS-60-645	Operation system
Windows 7 embedded 32 bit EN	DS-60-650	Operation system
Windows 7 FES 64 bit DE	DS-60-725	Operation system
Windows 7 FES 64 bit EN	DS-60-781	Operation system
Windows 8.1 embedded 64 bit DE	DS-60-764	Operation 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

Various accessories are available for POS-Line monitors.

All monitors can be customized according to your specific requirements.

Please contact our sales team if you are interested in product modifications or custom designs.

## POS-Line open frame



## POS-Line with PC box

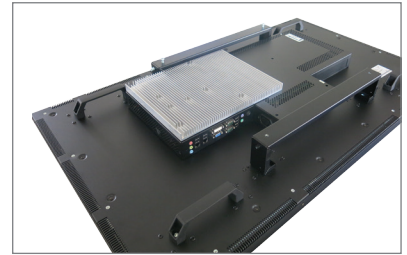


Image differs from the original, fans missing

## Data Display Group



DATA Display Group is represented through its own subsidiaries in Germany, the USA and England. Please address all enquiries to the office nearest to you. For sales or service matters we will either handle your enquiry directly, or invite you to contact one of our business partners in your area for assistance.

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## Contact



All figures are typical values. The real values of the panel may vary. The optical characteristics are determined after the panel has been „ON“ for approximately 30 minutes at an ambient temperature of 25° C (77° F).

Life time of the backlight is defined as the time to take until the brightness reduces to 50% of its original value.

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