



DATA DISPLAY GROUP

DATASHEET

116.8 cm (46") POS-LINE MONITOR

www.datadisplay-group.com

Displays in the POS-Line large series are available in screen diagonal sizes 31.5", 42", 46", 54.6" and 64.5". These models are extensively configurable, and there is a variety of controller types to choose from. The version supplied with an integrated Core-iPC has a removable PC-Box. If needed, for example for servicing purposes, the complete PC can be exchanged without having to take the monitor down from the wall.

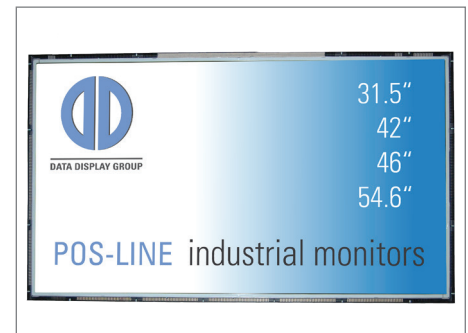
- Display for build-in, wall and ceiling
- Various bezels and designs
- High quality LCD panels with LED backlight
- Optional with safety glass or touch
- Video-Controller or integrated PCs
- Removable PC Box for Core-i CPUs
- Portrait or landscape
- VESA
- Robust metal chassis



Panel and housing

Panel Diagonal	[mm] / [Inch]	1168.4/ 46.0"
Type		Open -frame monitor (various bezels, true-flat glass and touch solutions are available under options)
Resolution	[Pixel]	1920 x 1080 FHD
Luminance (center)	[cd/m ²]	700
Viewing angle	[°]	178 h / 178 v
Backlight		LED
Active area (H/V)	[mm]	1018.08 x 572.67
Number of colors	[M]	1073.7 (PME, PIII, VP) 16.7 (IQ Ontario, IQ Core-i)
Contrast ratio		4000:1
Response time (on/off)	[ms]	6.5
Pixel class		ISO 9241-307 (pixel error class II)
Life time back light	[h]	50.000
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 46.0"

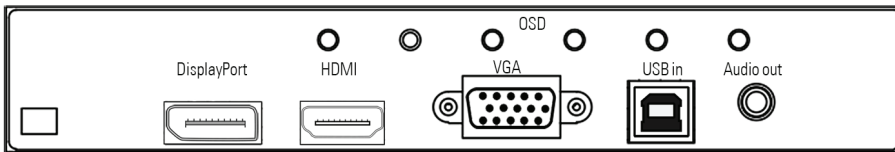


Open frame monitor

VGA, HDMI, DisplayPort

POS-Line 46.0" Video PME

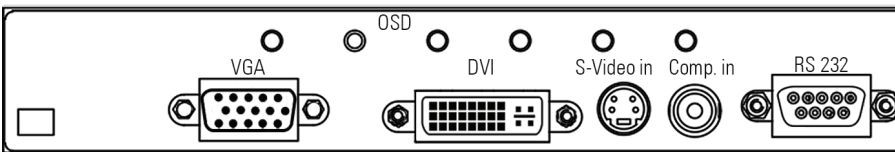
Order number		DS-91-485
Interfaces		1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote
Power consumption (typ.)	[Watt]	92
Weight	[kg/ lb]	24.5/ 54.01
Dimensions (W x H x D)	[mm/ inch]	1078 x 633 x 110 42.44 x 24.92 x 4.33



VGA, DVI, S-Video, CVBS

POS-Line 46.0" Video PIII A

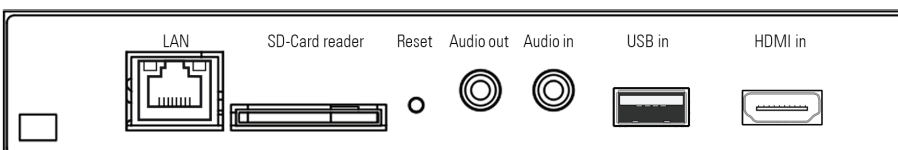
Order number		DS-91-487
Interfaces		1 x VGA, 1 x DVI (HDMI via DVI), 1 x S-Video; 1 x Composite Video; 1 x RS232; 1 x OSD 4 button
Power consumption (typ.)	[Watt]	92
Weight	[kg/ lb]	24.5/ 54.01
Dimensions (W x H x D)	[mm/ inch]	1078 x 633 x 110 42.44 x 24.92 x 4.33



Network Mediaplayer

POS-Line 46.0" VideoPoster

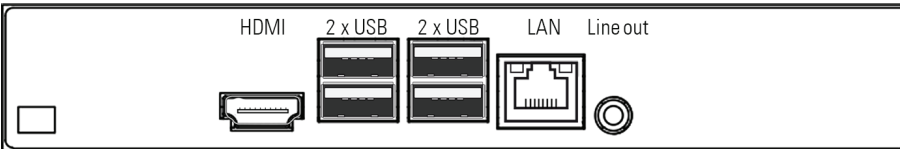
Order number		DS-91-491
Interfaces		1 x LAN, 1 x USB, 1 x HDMI, 1 x Line out, 1 x Line in, 1 x SD card slot
Power consumption (typ.)	[Watt]	92
Weight	[kg/ lb]	24.5/ 54.01
Dimensions (W x H x D)	[mm/ inch]	1078 x 633 x 110 42.44 x 24.92 x 4.33



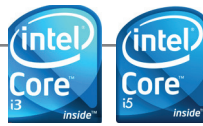
PC AMD Ontario

POS-Line 46.0" IQ Ontario

Order number		DS-91-489
Interfaces		1 x LAN, 4 x USB 2.0, 1 x HDMI, 1 x Audio
PC		CPU: AMD Ontario G-series, T56N, passive cooling Graphics: AMD Radeon HD 6320 RAM: 4GB PC3-8500 (DDR3) ; HD: SSD SATA 120 GB
Fan		No
Power consumption	[Watt]	115
Weight	[kg/ lb]	25.2/ 55.56
Dimensions (W x H x D)	[mm/ inch]	1078 x 633 x 110 42.44 x 24.92 x 4.33

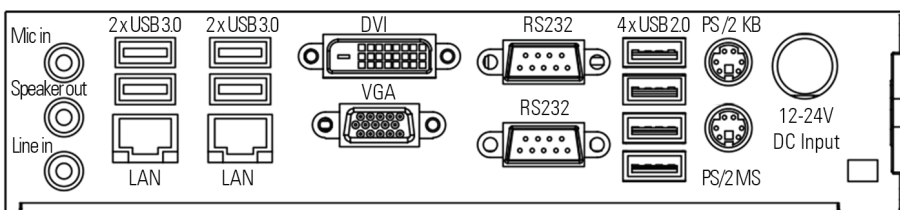


PC Intel Core-i



POS-Line 46.0" IQ Core-i

Order number		DS-91-524	DS-91-528
Core-i		i3	i5
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 4000, RAM: 4GB DDR 3 Storage: 120 GB SSD	CPU: Intel® Core-i5 (4 x 3.2 GHz), Grafik Intel HD 4000, RAM: 4GB DDR 3 Storage: 120 GB SSD
Fan		Fanless operation	
Power consumption	[Watt]	130	
Weight	[kg/ lb]	29.3/ 64.60	
Dimensions (W x H x D)	[mm/ inch]	1078 x 633 x 110 42.44 x 24.92 x 4.33	



Bezels

Order number		DS-91-496	DS-91-614
Name		Front bezel	Aluminium bezel
Finish		Steel, powdered, black RAL 9005	Aluminum, brushed, silver RAL 9006
Can be combined with		Touch, safety glass	
Weight	[kg/ lb]	1.60/ 3.53	4.3/ 9.26
Dimensions of monitor with option (W x H x D)	[mm/ inch]	1081 x 636 x 111 42.56 x 25.04 x 4.37	1106 x 660 x 122 43.54 x 25.98 x 4.80

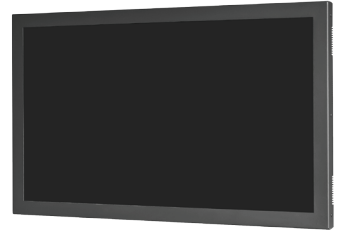
Order number		DS-91-703	DS-91-924
Name		TrueFlat bezel with glass	TrueFlat bezel with touch
Finish		Sheet steel, RAL 9006 glare (aluminium white), safety glass TSG 4 mm, anti-glare, printed black passepartout (RAL 9005)	Sheet steel, RAL 9006 glare (aluminium white), safety glass TSG 4 mm, anti-glare, printed black passepartout (RAL 9005) with PCAP touch, 10 touch points (next page)
Can be combined with		—	
Weight	[kg/ lb]	13.4/ 29.54	
Dimensions of monitor with option (W x H x D)	[mm/ inch]	1109 x 663 x 116 43.66 x 26.10 x 4.57	

Glass*

Order number		DS-90-633	DS-91-500
Name		Safety glass	TrueFlat glass
Glass		Safety glass TSG, 4 mm anti glare	Safety glass TSG, 4 mm anti glare, printed black passepartout (RAL 9005)
Can be combined with		Front bezel, Aluminium bezel	—
Weight	[kg/ lb]	6.2/ 13.67	7.0/ 15.43
Dimensions of monitor with option (W x H x D)	[mm/ inch]	1078 x 633 x 115 42.44 x 24.92 x 4.49	1101 x 656 x 115 43.37 x 25.83 x 4.53

*Cover glass and touches will reduce monitor brightness.

Options



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



Aluminum bezel is a special design bezel for the open frame chassis.



TrueFlat bezel is a metal bezel with round corners, safety glass and passepartout for the open frame chassis.

Safety glass is an accessory for the open frame chassis. It covers and protects the TFT-panel.



TrueFlat glass is a safety glass with round corners and passepartout for the open frame chassis.

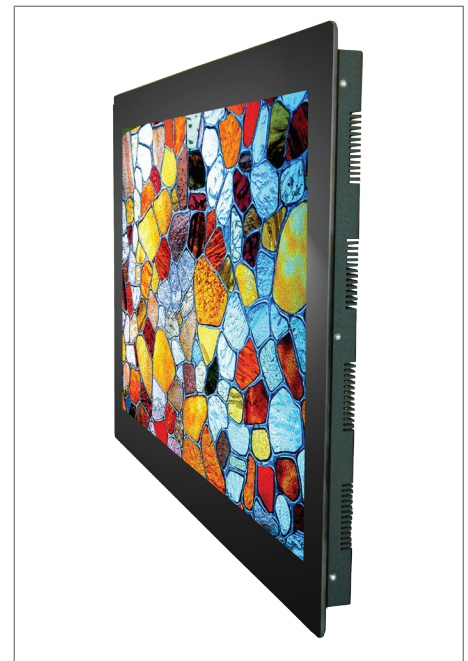
Touches*

Order number		DS-91-924	DS-91-925
Name		TrueFlat bezel PCAP touch	TrueFlat glass PCAP touch
Bezel/ Glass		Sheet steel RAL 9006, safety glass TSG, 4 mm anti-glare, printed black passepartout RAL 9005	Safety glass TSG, 4 mm anti glare, printed black passepartout (RAL 9005)
Touch points		10	
Touch technology		Projected capacitive	
Can be combined with		—	
Available for controller		Video PME, Video PIII, IQ Ontario, IQ Core-i	
Weight	[kg/ lb]	13.4/ 29.54	7.0/ 15.43
Dimensions of monitor with option (W x H x D)	[mm/ inch]	1109 x 663 x 116 43.66 x 26.10 x 4.57	1101 x 656 x 115 43.37 x 25.83 x 4.53



TrueFlat bezel monitor with PCAP touch sensor

Order number		DS-91-504	DS-91-508
Name		DST touch	IR touch
Touch points		1	6
Touch technology		Capacitive	Infrared
Can be combined with		Front bezel	
Available for controller		Video PME, Video PIII, IQ Ontario, IQ Core-i	
Weight	[kg/ lb]	4.0/ 8.82	7.2/ 15.87
Weight with front bezel	[kg/ lb]	5.6/ 12.34	9.0/ 19.84
Dimensions of monitor with option (W x H x D)	[mm/ inch]	1078 x 633 x 114 42.44 x 24.92 x 4.53	1078 x 633 x 125 42.44 x 24.92 x 4.92
Dimensions of monitor with option (W x H x D) with front bezel	[mm/ inch]	1081 x 636 x 117 42.56 x 25.04 x 4.61	1081 x 636 x 126 42.56 x 25.04 x 4.96



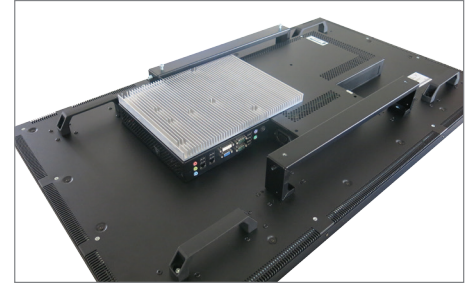
TrueFlat PCAP touch is a TrueFlat glass with a laminated PCAP touch at the backside.

*Cover glass and touches will reduce monitor brightness.

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 PME, Video PIII	
Fan	Fanless operation	
Weight [kg/ lb]	4.8/ 10.58	
Dimensions [mm/ inch]	344 x 260 x 72/ 13.54 x 10.24 x 2.83	

Accessories



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-91-622	DS-91-905
Name	Soundbar external	WLAN
Description	Active speaker kit on the bottom	WLAN modul with antenna
Details	2 x 1.25 Watt, 5V, USB digital audio input, power via USB	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 except TrueFlat bezel	with all front options
Available for controller	IQ Ontario, IQ Core-i, Video-Poster	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 PME and Video PIII Series from 31.5" to 54.6"



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"
Wall mount	DS-91-101	Titling wall mount for all displays from 46" up to 54.6"
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.

Accessories

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.

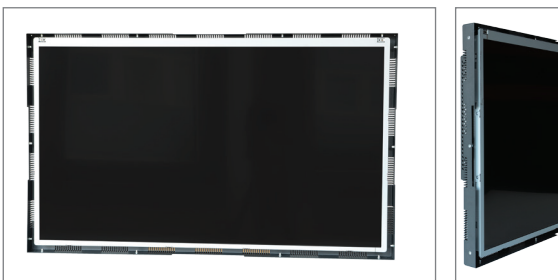
All monitors can be customized according to your specific requirements.

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

POS-Line TrueFlat design with glass or touch



POS-Line open frame



POS-Line with PC box



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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