



DATA DISPLAY GROUP

DATASHEET

80 cm (31.5") 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.

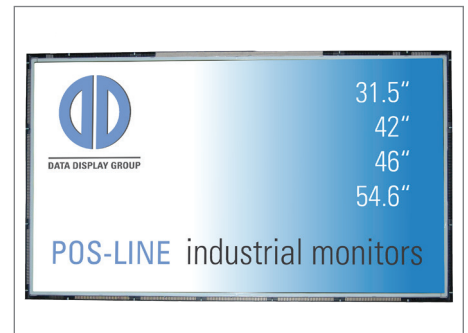
- Display for build-in, wall and ceiling
- Various bezels and designs
- High quality LCD panels with LED backlight
- Optional with safety glass or touch
- Video-Controller or integrated PCs
- Removable PC Box for Core-i CPUs
- Portrait or landscape
- VESA
- Robust metal chassis



Panel and housing

Panel Diagonal	[mm] / [Inch]	800.1/ 31.5"
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]	500
Viewing angle	[°]	178 h / 178 v
Backlight		LED
Active area (H/V)	[mm]	698.4 x 392.85
Number of colors	[M]	16.7
Contrast ratio		3000:1
Response time (on/off)	[ms]	8
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 31.5"

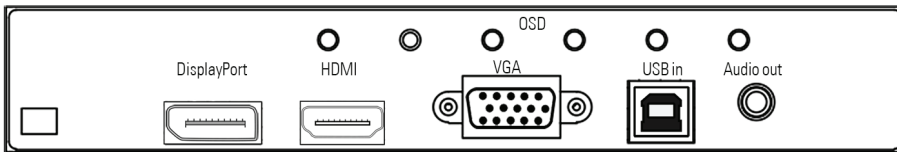


Open frame monitor

VGA, HDMI, DisplayPort

POS-Line 31.5" Video PME

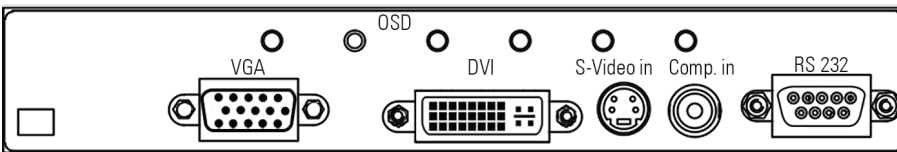
Order number		DS-91-411
Interfaces		1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote
Power consumption (typ.)	[Watt]	50
Weight	[kg/ lb]	12.5/ 27.56
Dimensions (W x H x D)	[mm/ inch]	759 x 454 x 109 29.88 x 17.87 x 4.29



VGA, DVI, S-Video, CVBS

POS-Line 31.5" Video PIIIA

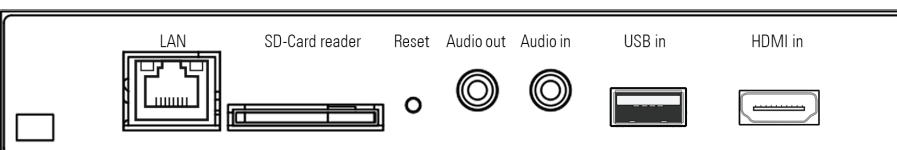
Order number		DS-91-412
Interfaces		1 x VGA, 1 x DVI (HDMI via DVI), 1 x S-Video; 1 x Composite Video; 1 x RS232; 1 x OSD 4 button
Power consumption (typ.)	[Watt]	50
Weight	[kg/ lb]	12.5/ 27.56
Dimensions (W x H x D)	[mm/ inch]	759 x 454 x 109 29.88 x 17.87 x 4.29



Network Mediaplayer

POS-Line 31.5" VideoPoster

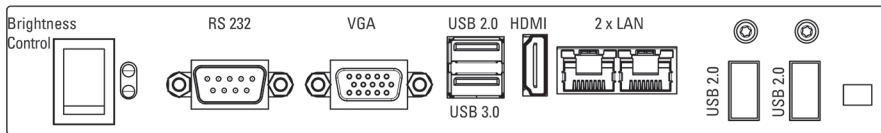
Order number		DS-91-414
Interfaces		1 x LAN, 1 x USB, 1 x HDMI, 1 x Line out, 1 x Line in, 1 x SD card slot
Power consumption (typ.)	[Watt]	50
Weight	[kg/ lb]	12.5/ 27.56
Dimensions (W x H x D)	[mm/ inch]	759 x 454 x 109 29.88 x 17.87 x 4.29



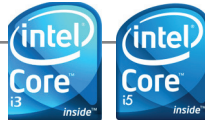
PC Intel® Atom

POS-Line 31.5" IQ Atom

Order number		DS-91-931
Interfaces		2 x LAN, 1 x USB 3.0, 3 x USB 2.0, 1 x HDMI, 1 x VGA, 1 x RS232
PC		CPU: Intel® Atom E3845 (1.9 GHz), Graphic: Intel® Valleyview SoC integrated Graphics RAM: 4 GB DDR3L, Storage: min. 120 GB mSATA
Fan		No
Power consumption	[Watt]	42
Weight	[kg/ lb]	14.5/ 31.97
Dimensions (W x H x D)	[mm/ inch]	759 x 454 x 109 29.88 x 17.87 x 4.29

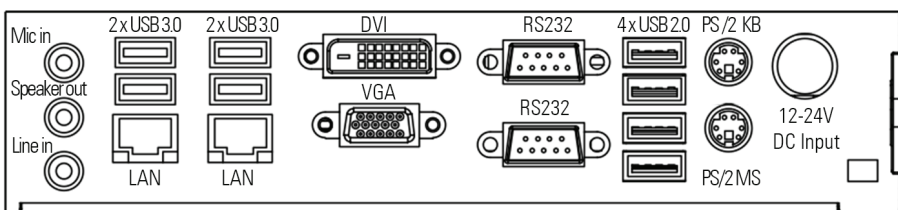


PC Intel® Core-i



POS-Line 31.5" IQ Core-i

Order number		DS-91-522	DS-91-526
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- (2.4 GHz), Grafik Intel® HD 4000, RAM: 4GB DDR 3 Storage: 120 GB SSD	CPU: Intel® Core-i5 (3.2 GHz), Grafik Intel® HD 4000, RAM: 4GB DDR 3 Storage: 120 GB SSD
Fan		Fanless operation	
Power consumption	[Watt]	70	
Weight	[kg/ lb]	16.5/ 36.38	
Dimensions (W x H x D)	[mm/ inch]	759 x 454 x 109 29.88 x 17.87 x 4.29	



Bezels

Order number		DS-91-470	DS-91-612
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]	1.40/ 3.09	3.50/ 7.72
Dimensions of monitor with option (W x H x D)	[mm/ inch]	762 x 456 x 110 30.0 x 17.95 x 4.33	785 x 480 x 120 30.90 x 18.90 x 4.72

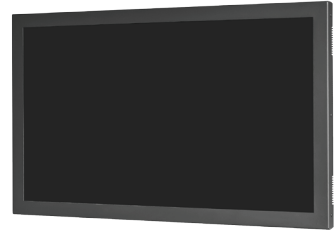
Order number		DS-91-421	DS-91-424
Name		TrueFlat bezel with glass	TrueFlat bezel with touch
Finish		Sheet steel, RAL 9006 glare (aluminium white), safety glass TSG 4 mm, anti-glare, printed black passepartout (RAL 9005)	Sheet steel, RAL 9006 glare (aluminium white), safety glass TSG 4 mm, anti-glare, printed black passepartout (RAL 9005) with PCAP touch, 10 touch points (next page)
Can be combined with		—	
Weight	[kg/ lb]	9.5/ 20.94	
Dimensions of monitor with option (W x H x D)	[mm/ inch]	789 x 484 x 115.5 31.06 x 19.05 x 4.55	

Glass*

Order number		DS-91-420	DS-91-476
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]	3.5/ 7.72	4.0/ 8.82
Dimensions of monitor with option (W x H x D)	[mm/ inch]	759 x 454 x 114.5 29.88 x 17.87 x 4.51	781 x 476 x 114.5 30.75 x 18.74 x 4.51

*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-91-424	DS-91-916
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 Atom, IQ Core-i	
Weight	[kg/ lb]	9.5/ 20.94	4.5/ 9.92
Dimensions of monitor with option (W x H x D)	[mm/ inch]	789 x 484 x 115.5 31.06 x 19.05 x 4.55	781 x 476 x 114.5 30.75 x 18.74 x 4.51

*Cover glass and touches will reduce monitor brightness.



TrueFlat bezel monitor with PCAP touch sensor



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

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 Atom, IQ Core-i, VideoPoster	IQ, Atom, IQ Core-i

Product	Order no.	Product description
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"

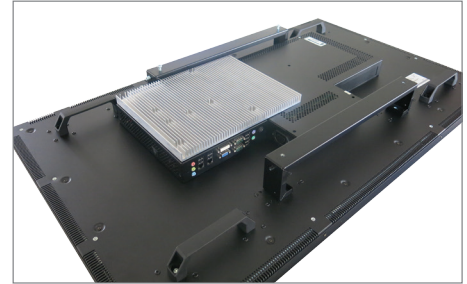
Accessories

External PC

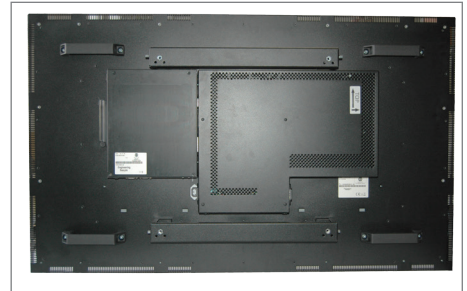
Order number	DS-91-426	DS-427
Name	PC-Box i3	PC-Box i5
Description	PC Module for external mounting	
Interfaces	VGA, DVI, 2x RS232, 2x Ethernet RJ45, 4x USB 2.0, 4x USB 3.0, 3x Audio Jack 3,5mm, 2x PS2 for Mouse and Keyboard	
PC	CPU: Intel® Core-i3-(2.4 GHz), Grafik Intel® HD 4000, RAM: 4GB DDR 3, Storage: 120 GB SSD	CPU: Intel® Core-i5 (3.2 GHz), Grafik Intel® HD4000, RAM: 4GB DDR 3, Storage: 120 GB SSD
Available for controller	Video PME	
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	
Power supply	DS-30-690 for operate the PC box as stand alone device without display for maintenance, 24V/ 120 W	

Order number	DS-91-930	
Name	PC-Box IQ Atom	
Description	PC Module for external mounting	
Interfaces	2 x LAN, 1 x USB 3.0, 3 x USB 2.0, 1 x HDMI, 1 x VGA, 1 x RS232	
PC	CPU: Intel® Atom E3845 (1.9 GHz), Graphic: Intel® Valleyview SoC integrated Graphics RAM: 8 GB DDR3L, Storage: min. 120 GB mSATA	
Available for controller	Video PME	
Fan	No	
Weight [kg/ lb]	1.7/ 3.75	
Dimensions [mm/ inch]	240 x 260 x 50/ 9.45 x 10.24 x 1.97	
Power supply	DS-91-945 for operate the PC box as stand alone device without display for maintenance, 12V/ 60 W	

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.



Optional removable PC box with Intel Atom CPU. The PC box can be removed without taking the display down from the wall.



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"
Cable cover for connctetors	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 Series from 31.5" up to 54.6". Also suited for optional PC boxes DS-91-426, DS-91-427 and DS-91-930.
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.

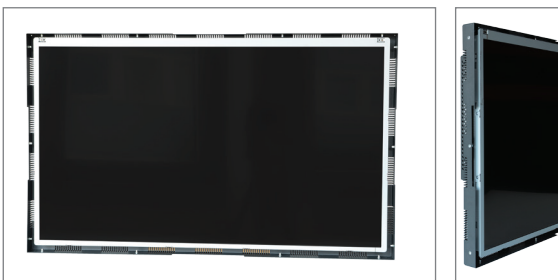
All monitors can be customized according to your specific requirements.

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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