



DATA DISPLAY GROUP

DATASHEET

138.7 cm (54.6") 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.

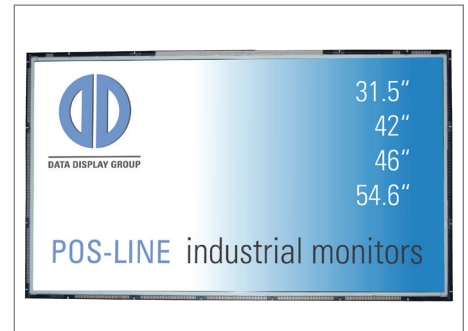
- Display for build-in, wall and ceiling
- Various bezels and designs
- High quality LCD panels with LED backlight
- Optional with safety glass or touch
- Video-Controller or integrated PCs
- Removable PC Box for Core-i CPUs
- Portrait or landscape
- VESA
- Robust metal chassis



Panel and housing

| | | |
|-------------------------|----------------------|---|
| Panel Diagonal | [mm] / [Inch] | 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 |
| Luminance (center) | [cd/m ²] | 700 |
| Viewing angle | [°] | 178 h / 178 v |
| Backlight | | LED |
| Active area (H/V) | [mm] | 1209.60 x 680.40 |
| Number of colors | [M] | 1073.7 (PME, PIII, VP) 16.7 (IQ Atom, 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 54.6"

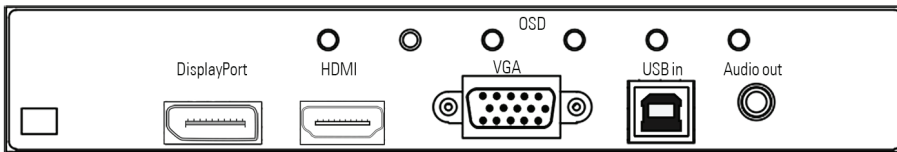


Open frame monitor

VGA, HDMI, DisplayPort

POS-Line 54.6" Video PME

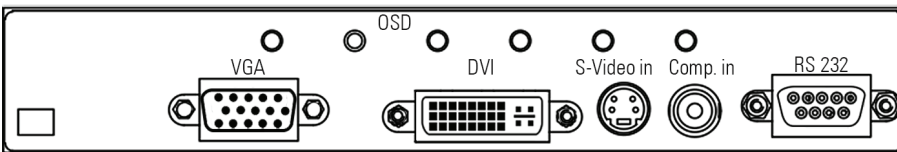
| | | |
|--------------------------|------------|--|
| Order number | | DS-91-486 |
| Interfaces | | 1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote |
| Power consumption (typ.) | [Watt] | 97 |
| Weight | [kg/ lb] | 34.5/ 76.06 |
| Dimensions (W x H x D) | [mm/ inch] | 1270 x 741 x 110 50.0 x 29.17 x 4.33 |



VGA, DVI, S-Video, CVBS

POS-Line 54.6" Video PIIIA

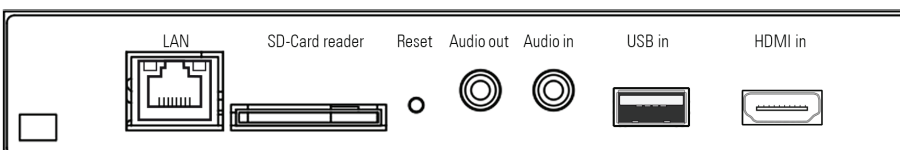
| | | |
|--------------------------|------------|--|
| Order number | | DS-91-488 |
| Interfaces | | 1 x VGA, 1 x DVI (HDMI via DVI), 1 x S-Video; 1 x Composite Video; 1 x RS232; 1 x OSD 4 button |
| Power consumption (typ.) | [Watt] | 106 |
| Weight | [kg/ lb] | 34.5/ 76.06 |
| Dimensions (W x H x D) | [mm/ inch] | 1270 x 741 x 110 50.0 x 29.17 x 4.33 |



Network Mediaplayer

POS-Line 54.6" VideoPoster

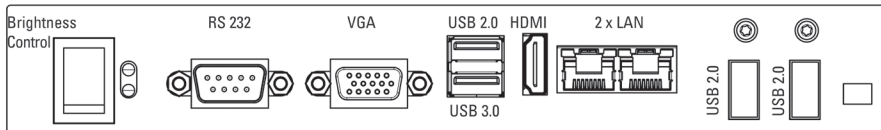
| | | |
|--------------------------|------------|---|
| Order number | | DS-91-492 |
| Interfaces | | 1 x LAN, 1 x USB, 1 x HDMI, 1 x Line out, 1 x Line in, 1 x SD card slot |
| Power consumption (typ.) | [Watt] | 107 |
| Weight | [kg/ lb] | 34.5/ 76.06 |
| Dimensions (W x H x D) | [mm/ inch] | 1270 x 741 x 110 50.0 x 29.17 x 4.33 |



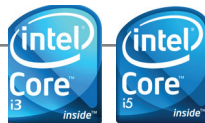
PC Intel® Atom

POS-Line 54.6" IQ Atom

| | | |
|------------------------|------------|--|
| Order number | | DS-91-934 |
| 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] | 99 |
| Weight | [kg/ lb] | 35.5/ 78.26 |
| Dimensions (W x H x D) | [mm/ inch] | 1270 x 741 x 110 50.0 x 29.17 x 4.33 |

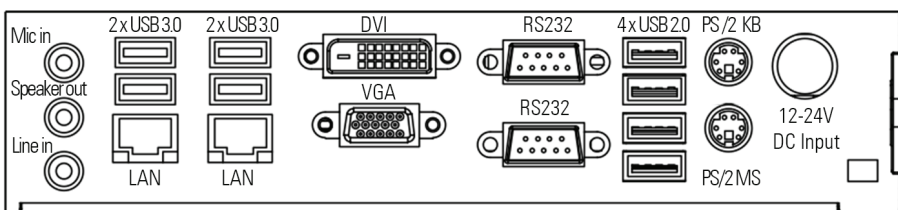


PC Intel® Core-i



POS-Line 54.6" IQ Core-i

| | | | |
|------------------------|------------|--|--|
| Order number | | DS-91-525 | DS-91-529 |
| 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] | 155 | |
| Weight | [kg/ lb] | 39.7/ 87.52 | |
| Dimensions (W x H x D) | [mm/ inch] | 1270 x 741 x 110 50.0 x 29.17 x 4.33 | |



Bezels

| | | | |
|---|------------|--|--|
| Order number | | DS-91-498 | DS-91-615 |
| 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] | 1.90/ 4.19 | 4.90/ 10.80 |
| Dimensions of monitor with option (W x H x D) | [mm/ inch] | 1273 x 744 x 111 50.12 x 29.29 x 4.37 | 1296 x 767 x 121 51.02 x 30.20 x 4.76 |

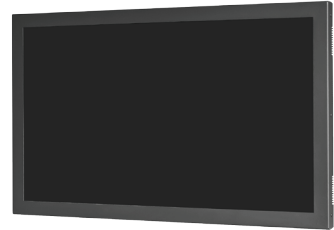
| | | | |
|---|------------|---|--|
| Order number | | DS-91-562 | DS-91-926 |
| Name | | TrueFlat bezel with glass | TrueFlat bezel with touch |
| Finish | | Sheet steel, RAL 9006 glare (aluminium white), safety glass TSG 5 mm, anti-glare, printed black passepartout (RAL 9005) | Sheet steel, RAL 9006 glare (aluminium white), safety glass TSG 5 mm, anti-glare, printed black passepartout (RAL 9005) with PCAP touch, 10 touch points (next page) |
| Can be combined with | | — | |
| Weight | [kg/ lb] | 21.0/ 46.30 | 21.5/ 47.40 |
| Dimensions of monitor with option (W x H x D) | [mm/ inch] | 1300 x 771 x 116 51.18 x 30.35 x 4.57 | |

Glass*

| | | | |
|---|------------|---|--|
| Order number | | DS-91-671 | DS-91-501 |
| Name | | Safety glass | TrueFlat glass |
| Glass | | Safety glass TSG, 4 mm anti glare | Safety glass TSG, 5 mm anti glare, printed black passepartout (RAL 9005) |
| Can be combined with | | Front bezel, Aluminium bezel | — |
| Weight | [kg/ lb] | 8.8/ 19.40 | 12.5/ 27.56 |
| Dimensions of monitor with option (W x H x D) | [mm/ inch] | 1270 x 741 x 114 50.0 x 29.17 x 4.49 | 1292 x 763 x 115 50.87 x 30.04 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-91-926 | DS-91-927 |
| 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] | 21.5/ 47.40 | 13.0/ 28.66 |
| Dimensions of monitor with option (W x H x D) | [mm/ inch] | 1300 x 771 x 116 51.18 x 30.35 x 4.57 | 1292 x 763 x 115 50.87 x 30.04 x 4.53 |

*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" |

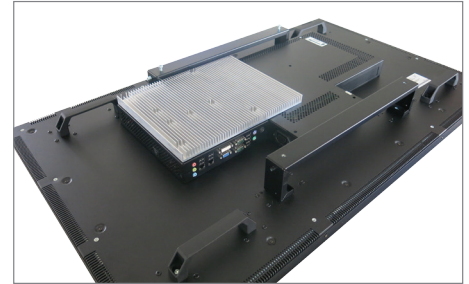
Accessories

External PC

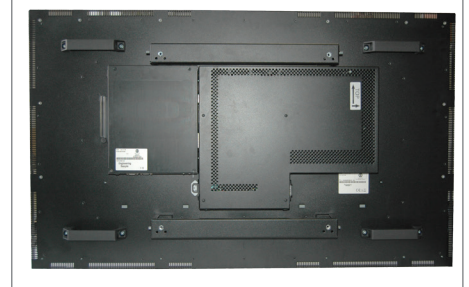
| | | |
|--------------------------|--|---|
| Order number | DS-91-426 | DS-427 |
| Name | PC-Box i3 | PC-Box i5 |
| Description | PC Module for external mounting | |
| Interfaces | VGA, DVI, 2x RS232, 2x Ethernet RJ45, 4x USB 2.0, 4x USB 3.0, 3x Audio Jack 3,5mm, 2x PS2 for Mouse and Keyboard | |
| 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 HD® 4000, 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 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 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.

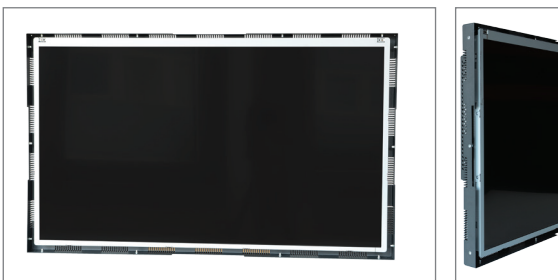
All monitors can be customized according to your specific requirements.

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



Contact

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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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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