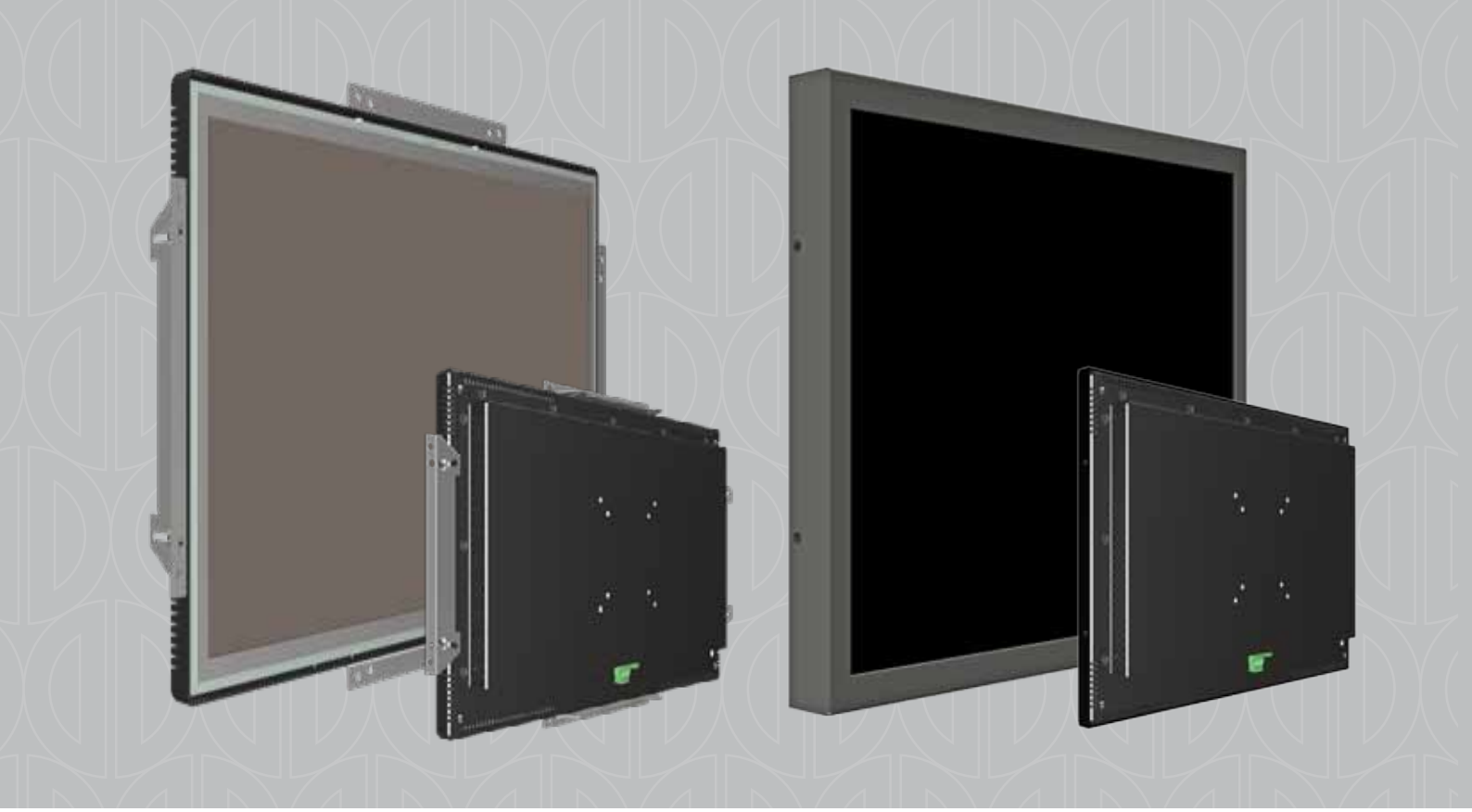

Data Display Solution

# LCD POS-Line Monitors

**Standard aspect ratio 5:4 and 4:3**

Monitors of the POS-Line series are particularly suited for:

- Industrial monitoring and control,
- Interactive applications in kiosk systems
- Digital signage and interactive applications at the point of sales

Available as open frame monitors and - with optional bezel - as standard monitor for VESA desk stands or wall mounts, POS-Line displays offer the utmost flexibility.

All the base POS-Line monitorrs are designed as open frame chassis for rear mounting with angle lugs. The standard Video version is equipped with an integrated AD graphics converter board with VGA, HDMI (DVI via HDMI) and DisplayPort interface. The IQ version has an integrated PC, the VideoPoster III version has an integrated network media player.

The ultra slim design of the monitors makes them ideal for the installations where size is important.

To adapt the monitors to individual project and design requirements, various options are available. The open frame chassis can be complemented by various frames, bezels or protection glass. For interactive applications, different fitted touch technologies are offered.

All monitors, including the AD graphic controller board and the media player are developed and manufactured in Europe according to highest industrial standards for with built-in reliability to ensure long product life.

- High quality LCD panels with LED Backlight
- Various touch technologies available
- AD graphic controller board , PC or network media player integrated
- True-flat protection glass and touch
- Accessories like bezels and front mount frames
- Metal chassis
- Screw terminal block for power supply
- Engineered and manufactured in Germany


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**POS-Line controller versions**

**Video:** Monitor with intergated AD graphics board Prisma Media Eco.This monitor offers standard video signal interfaces HDMI, Display Port and RGB.

**IQ:** Monitor with integrated PC with Ontatio CPU, Fusion graphics and hard disk. Operating systems are available as option.

**VideoPoster III:** Monitor with integrated ARM-based network media player. Play list update from any Content Management System, FTP server or manually with USB memory.

Monitor with optional surface mount frame

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).

| POS-Line Video open frame (integrated AD card) | | No.: 091305<br>15" | No.: 091306<br>17" | No.: 091307<br>19" |
|---|---|---|---|---|
| **LCD Panel** | | | | |
| Diagonal | [mm] / [Inch] | 381.0 / 15" | 431.8 / 17" | 482.6 / 19" |
| Active area | [mm] | 304.13 x 228.10 | 447.92 x 270.34 | 376.32 x 301.06 |
| Resolution | [Pixel] | 1024x 768 (XGA, 4:3) | 1280 x 1024 (SXGA, 5:4) | 1280 x 1024 (SXGA, 5:4) |
| Number of colors | [m] | 16.2 | 16.7 | 16.7 |
| Luminance (center) | [cd/m²] | 400 | 350 | 300 |
| Contrast ratio | | 700:1 | 1000:1 | 2000:1 |
| Back light | | LED | LED | LED |
| Viewing angle | [°] | 160 h / 140 v | 170 h / 160 v | 178 h / 178 v |
| Response time (on/off) | [ms] | 8 | 30 | 20 |
| Life time back light[1] | [h] | 50.000 | 50.000 | 50.000 |
| **Video Card** | | | | |
| Type | Prisma Media Eco (Manufacturer: Data Display Group) | | | |
| Input sources | 1 x HDMI (HDCP) or DVI through HDMI; 1 x Display Port; 1 x RGB;<br>1 x USB (control commands); 1 x OSD 6 button | | | |
| Input signal spezification | VGA:<br>60 Hz @ WUXGA und FHD, 60 Hz or 75 Hz @ other resolutions<br><br>DVI / HDMI 1.3a:<br>60 Hz @ WUXGA und FHD, 60 Hz or 75 Hz @ other resolutions<br><br>HDMI Video:<br>720 x 480 @ 60 Hz, 720 x 576 @ 50 Hz,<br>1280 x 720 @ 50 Hz, 1280 x 720 @ 60 Hz,<br>1920 x 1080 @ 50 Hz, 1920 x 1080 @ 60 Hz<br><br>Display Port 1.1a:<br>640 x 480 @ 60 Hz up to 2048 x 1536 @ 60 Hz | | | |
| Resolution | max. WUXGA at 60 Hz, SXGA at 75 Hz | | | |
| HDCP Support | Yes | | | |
| **Monitor** | | | | |
| Mounting | [mm] | VESA 75 x 75; 100 x 100 | | |
| Operating temperature | [°C] / [°F] | 10° ~ 40° / 50° ~ 104° | | |
| Storage temperature | [°C] / [°F] | -20° ~ 60° / -4° ~ 140° | | |
| Operating humidity | [%] | 10 ~ 80 (non condensing) | | |
| Panel orientation | | Landscape and Portrait | | |
| Location of connectors | | Bottom | | |
| Location of OSD buttons | | Bottom | | |
| Housing | | Sheet steel, passivated, black | | |
| Power supply | [V] | 12 DC | | |
| Power consumption (max) | [Watts] | 16 | 18 | 20 |
| Weight | [kg]<br>[lb] | 10<br>20 | 10<br>20 | 10<br>20 |
| Dimensions | [mm] L x H x D | tbd. | 365.0 x 303.0 x 57.8 | 412.0 x 340.0 x 54.5 |
| Certification | | CE, FCC Class A, EU-RoHS | | |

[1] 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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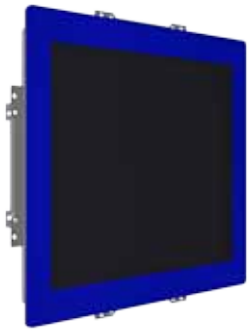

Monitor with true-flat glass front for surface mount

| POS-Line IQ open frame (integrated PC) | | No.: 091317 15“ | No.: 091318 17“ | No.: 091319 19“ |
|---|---|---|---|---|
| **Panel** | | | | |
| | | Please refer to POS-Line Video for specification | | |
| **PC** | | | | |
| Form factor | | Nano-ITX | | |
| CPU | | AMD Ontario G-Serie, T56N, 2 x 1.6 GHz | | |
| Chip set | | Hudson A50M | | |
| Grapics | | ATI Fusion | | |
| Memory | | RAM: 2 GB DDR3 (optional 4GB); 160 GB HD, SATA-3 | | |
| USB | | 4 x 2.0 | | |
| Network | | 10/100/1000 Base-T, optional wireless PCIe Mini Card, 802-11b/g/n) | | |
| Audio | | AC97 S/PDIF out, Line out, Line in, Microphone in | | |
| Video | | LVDS dual channel (1920 x 1080), HDMI out | | |
| **Monitor** | | | | |
| Power consumption (max) | [Watts] | 16 | 18 | 20 |
| | | Please refer to POS-Line Video specification for specification | | |

Monitor with bezel for VESA mount

| POS-Line VideoPoster III open frame (integrated media player) | | No.: 091311 15“ | No.: 091312 17“ | No.: 091313 19“ |
|---|---|---|---|---|
| **Panel** | | | | |
| | | Please refer to POS-Line Video for specification | | |
| **Video Poster III media player** | | | | |
| Type | | VideoPoster III (Manufacturer: Data Display Group) | | |
| Interface | | LAN 10/100 Base-T, USB 2.0 | | |
| Video formats / resolution | | MPEG-4 (H264), FLV, WMV / 1920 x 1080 | | |
| Pixel formats | | jpeg, tiff, png | | |
| Audio | | Stereo Line out, loudspeaker 2 x 5 Watts amplifier | | |
| Memory | | 4 GB SD-card for content | | |
| Play list update | | Content management system, FTP-Server, USB memory | | |
| **Monitor** | | | | |
| Power consumption (max) | [Watts] | 16 | 18 | 20 |
| | | Please refer to POS-Line Video specification for specification | | |

**Accessories:**

Multiple options for touches, bezels and, protective glasses are available to offer utmost flexibility. Each monitor can be complemented with one ore more of the following accessories:

| Touch | Chassis | Safety glas |
|---|---|---|
| 5-wire resistive | front bezel (VESA mount monitor) | True-flat glass front (for front mount) |
| Surface capacitive | front plate (for front mount) | Safety glass (for rear mount) |


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**Front bezel** is an accessory for the open frame chassis. A monitor with front bezel requires a VESA stand or wall mount. A combination of front bezel and touch or safety glass is possible.

| Front bezel for VESA mount | | No.: 091323 15" | No.: 091324 17" | No.: 091325 19" |
|---|---|---|---|---|
| Can be combined with | | Open frame chassis, touch, safety glass | | |
| Finish | | Sheet steel, powder coated, black, RAL 9005, fine structure | | |
| Monitor mount | | VESA 75 x 75, 100 x 100 | | |
| Dimensions | [mm] L x H x D | tbd. | 368.0 x 306.0 x 59.8 | 415.0 x 343.0 x 56.0 |

Front bezel

Monitor with front bezel (front view)

Monitor with front bezel (rear wiew)

**Front plate** is an accessory for the open frame chassis. A monitor with front bezel is a surface mount monitor with mounting angles. A combination of front plate and touch or safety glass is possible.

| Front plate for front mount | | No.: 091329 15" | No.: 091330 17" | No.: 091331 19" |
|---|---|---|---|---|
| Can be combined with | | Open frame chassis, touch, safety glass | | |
| Finish | | Sheet steel, powder coated, black, RAL 9005, fine structure | | |
| Monitor mount | | Surface mount with mounting angles | | |
| Dimensions | [mm] L x H x D | tbd. | 405.0 x 343.0 x 58.8 | 454.0 x 382.0 x 55.0 |

Front plate

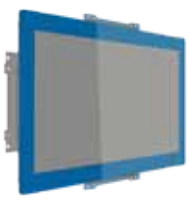
Monitor with front plate (front view)

Monitor with front plate (rear wiew)

**True-flat glass** is an accessory for the open frame chassis. A monitor with front bezel is a surface mount monitor with mounting angles. No touch options for this version available.

| True-flat glass for front mount | | No.: 091337 15" | No.: 091338 17" | No.: 091339 19" |
|---|---|---|---|---|
| Can be combined with | | Open frame chassis | | |
| Finish | | Safety glass TSG, 3 mm, printed bezel, anti-reflective | | |
| Monitor mount | | Surface mount with mounting angles | | |
| Dimensions | [mm] L x H x D | tbd. | 405.0 x 343.0 x 58.8 | 454.0 x 382.0 x 55.0 |

True-flat glass



Monitor with true-flat glass (front)

Monitor with true-flat glass (rear)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**Safety glass** is an accessory for the open frame chassis, front bezel and front frame. It protects the panel from vandalism without increasing the monitor depth.

| Safety glass | | No.: 090194<br>15“ | No.: 090195<br>17“ | No.: 090196<br>19“ |
|---|---|---|---|---|
| Can be combined with | | Open frame chassis, front bezel, front plate | | |
| Finish | | Safety glass TSG, 3 mm, anti-reflective | | |

**5-wire resistive touch** is an accessory for the open frame chassis, front bezel and front frame.

| 5-wire resistive touch | | No.: 091345<br>15“ | No.: 091346<br>17“ | No.: 091347<br>19“ |
|---|---|---|---|---|
| Can be combined with | | Open frame chassis, front bezel, front plate | | |
| Technology | | 5-wire resistive | | |
| Simultaneous touch points | | 1 | | |
| Sensor thickness | [mm] | 2.1 | | |
| Transmittance | [%] | 80 (typical) | | |

**Surface capacitive touch** is an accessory for the open frame chassis, front bezel and front frame. This touch sensor offers a high degree of light transmittance.

| Surface capacitive touch | | No.: 091361<br>15“ | No.: 090314<br>17“ | No.: 090315<br>19“ |
|---|---|---|---|---|
| Can be combined with | | Open frame chassis, front bezel, front plate | | |
| Technology | | Surface capacitive | | |
| Simultaneous touch points | | 1 | | |
| Sensor thickness | [mm] | 3.18 | | |
| Transmittance | [%] | 91.5 (+/-1.5) | | |

Various **accessories** are available for POS-Line monitors. If your project requirements cannot be fulfilled with these standard monitors and options, please let us know. All monitors can be adapted according to your requirements. Upon request, other display sizes e.g. 10.4“ or 12.1”are available. Our sales team is ready to support you.

| Accessories for all monitors | Product-No.: | Details |
|---|---|---|
| Power supply | 030681 | 12V, 60 Watts, open frame |
| VGA cable | 050023 | VGA cable, 1.8 m, black |
| Mounting angles | 091356 | Set of two additional mounting angles |
| Windows 7 Prof. German | 060595 | Operating system |
| Windows 7 Prof. Englisch | 060627 | Operating system |
| Windows 7 Ultimate multilingual | * | Operating system |
| Windows 7 embedded German / English | 060645 | Operating system |
| Windows 7 embedded Multilingual | * | Operating system |
| Windows XP embedded | 060246 | Operating system |
| Windows XP emb. systems | 060402 | Operating system |

* please specify required language
All operating systems are pre-installed on hard disk

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