# FORTEC
### ELEKTRONIK AG

# POS-Line HB

Brillant presentation in any light — monitor 31.5"

OUR GLOBAL COMPETENCE CENTERS

APOLLO DISPLAY TECHNOLOGIES

DISTEC

DISPLAY TECHNOLOGY
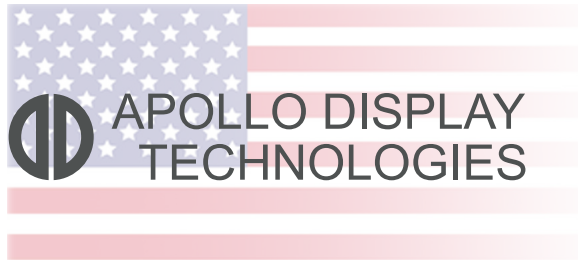
# Product Features

Designed,
developed and
made in Germany

POS-Line HB 31.5



- Suitable for areas with bright ambient light such as shop windows, outdoors or in a brightly lit atrium, monitors with normal backlight brightness can be difficult to read.

- The monitor features a backlight brightness of 1500 cd/m²
- Equipped with temperature monitoring and brightness control
- In case of high temperatures or low ambient light, the monitor will automatically regulate the screen brightness down in steps.

## High Brightness



perfect readability of the content at all times

## PCs available

- The monitors can optionally be supplemented with a removeable PC box with Intel® Celeron or Intel® Core-i5 processors
- Customized solutions are also possible on a project basis

# Panel, Housing and Electric



POS-Line HB 31.5 monitor with fromnt bezel





| | Measure | Description |
|---|---|---|
| Panel Diagonal | [mm] / [Inch] | 800.1/ 31.5" |
| Type | | High bright open frame monitor (various options) |
| Resolution | [Pixel] | 1920 x 1080 FHD |
| Luminance (center) | [cd/m²] | 1500 |
| Viewing angle (U/ D/ L/ R) | [°] | 89/ 89/ 89/ 89 |
| Backlight | | LED |
| Active area (H/V) | [mm] | 703.4 x 397.9 |
| Number of colors | [M] | 16.7 |
| Contrast ratio | | 4000:1 |
| Response time (on/off) | [ms] | 8 |
| Pixel class | | ISO 9241-307 (pixel error class II) |
| Life time back light until reaching half brightness | [h] | 50.000 |
| Continuous operating time | [h] / [d] | 24/ 7 |
| 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 |
| Storage humidity | [%] | 10 ~ 90 (non condensing) |
| 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 |
| Ambient Light sensor | | as an standard accessory |
| Power supply | [V] | AC 100 - 240 |
| Conformity | | CE, FCC Class A, EU-RoHS |
| Packaging | | Single packaging for Euro pallet (max. 3 packages p.p.) |
| Package Contents | | Safety instructions, power cable, Remote controller incl. battery |

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# Video PME - VGA, HDMI, Display Port

**POS**-Line HB 31.5
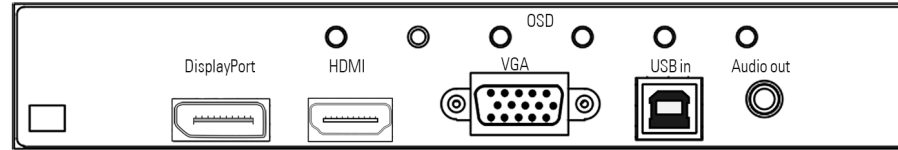
| Order number | | DS-92-170 |
|---|---|---|
| Interfaces | | 1x VGA, 1x HDMI, 1x DisplayPort, 1x Audio Line- Out, USB-B Remote; 1 x OSD 4 button |
| Power consumption (typ.) | [Watt] | 100 |
| Weight | [kg] | 15.0 |
| Dimensions (W x H x D) | [mm] | 759 x 453.5 x 108.5 |
| Package contents | | HDMI cable |

# VideoPoster - Network Multimediaplayer
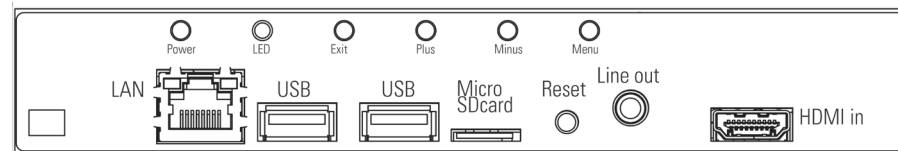
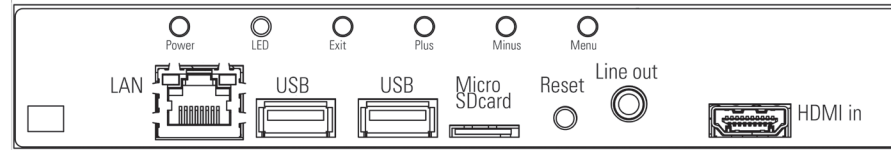| Order number | | DS-92-171 |
|---|---|---|
| Interfaces | | 1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot |
| Power consumption (typ.) | [Watt] | 100 |
| Weight | [kg] | 15.0 |
| Dimensions (W x H x D) | [mm] | 759 x 453.5 x 108.5 |
| Package contents | | USB Stick 8 GB |

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.

# WebPoster M3 - Website Player

WebPoster M3 is an industrial FHD network player to show websites. It is a special designed Distec O/S for Artista IOT monitors.

Firmware is compatible with touchscreen applications.

| Order number | | DS-92-210 |
|---|---|---|
| Interfaces | | 1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot |
| Raspberry® PI | | CM3+, 32 GB |
| Power consumption (typ.) | [Watt] | 100 |
| Weight | [kg] | 15.0 |
| Dimensions (W x H x D) | [mm] | 759 x 453.5 x 108.5 |

# IOT - Raspberry® IoT Controller
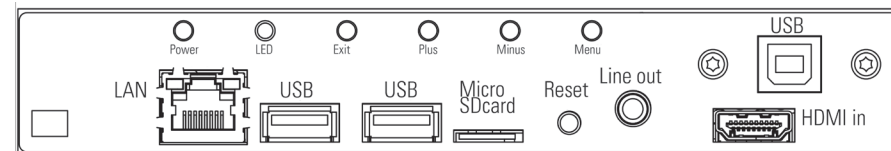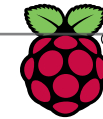
| Order number | | DS-92-169 |
|---|---|---|
| Order numbers | | DS-60-859 |
| Interfaces | | 1 x LAN, 2 x USB 2.0, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot, 1 x USB-B (only for content updates) |
| Raspberry® PI | | CM3+, 32 GB |
| Power consumption (typ.) | [Watt] | 100 |
| Weight | [kg] | 15.0 |
| Dimensions (W x H x D) | [mm] | 759 x 453.5 x 108.5 |

# Options

POS-Line HB 31.5

## Bezel

| Order number | | DS-91-910 |
|---|---|---|
| Name | | Front bezel |
| Finish | | Steel, powder coated, black RAL 9005 |
| Weight | [kg] | 1.40 |
| Dimensions of monitor with option (W x H x D) | [mm] | 762 x 456 x 110 |
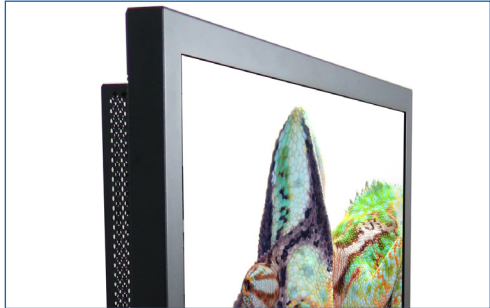


Front bezel is a metal bezel for the open frame chassis and VESA mount.

# Accessories

## Electronic

| Product | Order no. | Product description |
|---|---|---|
| SSD Extension Celeron® | DS-91-997 | Extension for SSD MSATA up to 240 GB for IQ Celeron® |
| RAM Extension Celeron® | DS-91-975 | Extension for RMA up to 8 GB for IQ Celeron® |
| SSD Extension Core™-i | DS-92-027 | Extension for SSD M.2 up to 240 GB for IQ Core™-i5 |
| RAM Extension Core™-i | DS-92-028 | Extension for RMA up to 16 GB for IQ Core-i5 |

## Cable

| Product | Order no. | Product description |
|---|---|---|
| Cable DP for PC box | KA-40-115 | DP cable for connection PC, 0,5m |
| Display Port cable | KA-40-105 | Cable Display Port 1.2 4k male/male 2m |
| LAN for remote contr. | DS-92-087 | for all versions, LAN RJ 45 |

# Accessories

POS-Line HB 31.5

| Order number | | DS-92-033 |
|---|---|---|
| Name | | PC Box extern IQ Core™-i5 DFI KU173 |
| Description | | PC module for external mounting |
| Interfaces | | 2 x DP, 2x LAN,  4x USB 3.0, 1 x Audio, 1 x MIC in |
| PC | | Intel® Core™-i5- 7300 U(2.6 GHz), Intel® HD Graphics GT series, RAM: 8GB DDR 4 Storage: min. 120 GB M.2Sata |
| Available for controller | | Video PME |
| Fan | | no |
| Weight | [kg] | 2.60 |
| Dimensions of monitor with option (W x H x D) | [mm] | 240 x 257 x 48.5 |
| Power supply | | DS-91-945 for operate the PC box as stand alone device without display for maintenance, 12V/ 60 W |

## External PC





Optional removable PC box with Core-i5 CPU. The PC box can be removed without taking the display down from the wall.

| Order number | | DS-92-135 |
|---|---|---|
| Name | | PC-Box IQ Celeron® |
| Description | | PC module for external mounting |
| Interfaces | | 2 x Gigabit LAN, 4 x USB 3.0, 2 x USB 2.0, 1 x HDMI, 1 x RS232/422/485 |
| PC | | Intel® Celeron® J3455 (1,5GHz/2,3GHz), RAM: 4 GB DDR3L Storage: min. 120 GB mSATA |
| Available for controller | | Video PME |
| Fan | | no |
| Weight | [kg] | 1.70 |
| Dimensions of monitor with option (W x H x D) | [mm] | 240 x 260 x 50 |
| Power supply | | DS-91-945 for operate the PC box as stand alone device without display for maintenance, 12V/ 60 W |



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

# Accessories

**POS-Line HB 31.5**

## Software

| Product | Order no. | Product description |
|---|---|---|
| Windows 10 Pro. 64 bit DE | DS-60-811 | Operation system for Celeron and Core-i |
| Windows 10 Pro. 64 bit EN | DS-60-810 | Operation system for Celeron and Core-i |
| WIN 10 IOT Core™-i | DS-60-898 | Embedded operation system 2019 LTSC |
| WIN 10 IOT Celeron® | DS-60-899 | Embedded operation system 2019 LTSC |
| WebPoster IQ | DS-60-787 | WEBPOStER embedded Linux for IQ |

## 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" |
| Cable cover for conncetors | 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 series from 31.5" up to 54.6" |
| Cable cover for conncetors | 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-92-033 and DS-92-135. |
| Cable cover for conncetors | DS-91-922 | Cable cover. Only available in combination with covers DS-91-723 and DS-91-578. |

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.

Our company network supports you worldwide with offices in Germany, Austria, Switzerland, the UK and the USA. For more information please contact:

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