Class A1 CERTIFIED

FORTEC
GROUP

BLO–Line®

Blaze load optimized monitors 31.5 inch — according to class A1

One partner, unlimited technology solutions

Product Features

Designed, developed and made in Germany

BLO-Line® - PRODUCT OF THE YEAR 2024
Feuertrutz-Award in the category structural fire protection

Fire safety regulations prevent the installation of devices that increase fire load and promote the development of smoke gases.
FORTEC Integrated has specifically developed a monitor series that offers optimal fire protection.

→ BLO-Line® monitors are fully functional units certified according to fire protection class A1, which means they meet the highest standards for fire protection.

→ The certification was carried out based on the strictest European standards and verified and confirmed by independent experts.

→ Our monitors are classified according to the European standard DIN EN13501-1 and fulfill the requirements of the VdS 6024 for fire protection of electrical devices in sensitive areas.

→ Additional options such as integrated extinguishing devices make BLO-Line® monitor ideal for use in public buildings such as hospitals, universities, schools, and airports.

→ The monitors are available as regular monitors, IoT systems, or standalone systems with integrated PCs, they offer flexible application possibilities without expensive and heavy fireproof enclosures.

→ BLO-Line® monitors meet the strict smoke development requirements of the German MVVTB:2024/01. While the TSP600s limit for MVVTB is 35 m² and for the EU norm EN13501-1:2019-05 it is 50 m², BLO-Line with 21 m² is well below the requirements of both standards.

Our BLO-Line® monitors are the perfect solution for maximum safety demands and easy installation. Trust the quality and reliability of FORTEC Integrated when it comes to fire protection in public areas.

BLO-Line® 31.5

Suitable for escape and rescue routes

Fire protection according to class A1

Fully functional unit is certified

Without aditional fireproof enclosure

Fördermitglied im bvbf — FORTEC Integrated is supporting member of Bundesverband Brandschutz-Fachbetriebe e.V.
More about BLO: **www.brandschutzmonitore.de**

Panel and housing

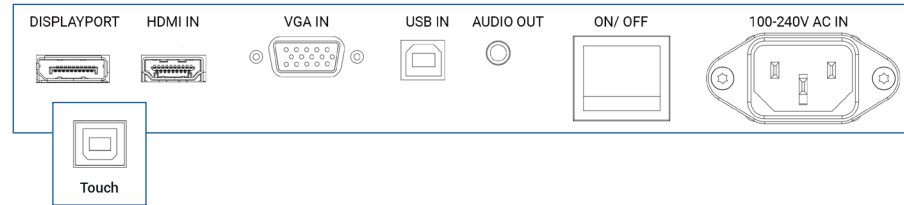|	Measure	Description
Panel Diagonal & Pixel class	[mm] / [Inch]	800.1/ 31.5	ISO 9241-307 (pixel error class ll)
Type		BLO-Line monitor with glass and bezel
Resolution	[Pixel]	1.920 x 1.080 FHD
Luminance (center)	[cd/m²]	500
Viewing angle (U/ D/ L/ R)	[°]	89/ 89/ 89/ 89
Active area (H/V)	[mm]	698.40 x 392.85
Backlight & Number of colors	[M]	LED	16.7
Contrast ratio		3000:1
Response time (on/off)	[ms]	8
Life time back light until reaching half brightness	[h]	50.000
Continuous operating time	[h] / [d]	24/ 7
Mounting	[mm]	Wall mount included
Storage temperature	[°C] / [°F]	–20 ~ 60 / -4 ~ 140
Operating temperature	[°C] / [°F]	0 ~ 40/ 32 ~ 104
Storage & Operation humidity	[%]	10 ~ 90 (non condensing)
Panel orientation		Versions in Landscape and Portrait
Location of connectors and OSD buttons		Landscape and portrait mode: backside middle
Housing		Powdered steel sheet, black RAL 9005
Glass		Fire protection glass, 7 mm
Power supply	[V]	AC 110-240/ 50-60 Hz
Weight	[kg]	22.0
Dimension (W x H x D)	[mm]	752 x 442 x 83
Conformity		CE, FCC Class A, EU-RoHS, A1 according to EN13501-1
Packaging		Single packaging for cargo pallet (max. 3 packages p.p.)
Package Contents		Safety instructions, power cable DB-07-607, BLO-Line® certificate

BLO-Line® 31.5

BLO-Line® 31.5 monitor

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.

Video PME - VGA, HDMI, DisplayPort

BLO-Line® 31.5

DISPLAYPORT   HDMI IN   VGA IN   USB IN   AUDIO OUT   ON/ OFF   100-240V AC IN

Touch

BLO-Line® 31.5 monitor

Order number Landscape		DS-92-058
Order number Portrait		MO-41-057
Interfaces		1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote
Power consumption (typ.)	[Watt]	44
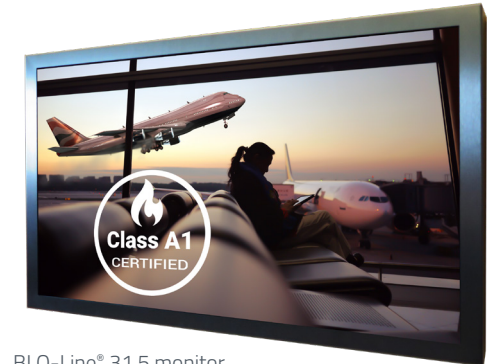
VideoPoster - Multimedia Networkplayer

LAN   USB   USB   SD CARD   RESET   LINE OUT   USB   ON/ OFF   100-240V AC IN

HDMI IN
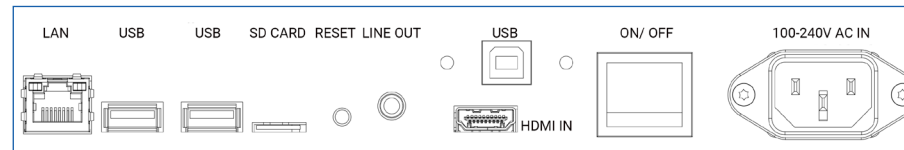
Order number Landscape		DS-92-123
Order number Portrait		MO-41-065
Interfaces		1 x LAN, 2 x USB,, 1 x HDMI, 1 x Audio Line-Out, 1 x MicroSD card slot
Power consumption (typ.)	[Watt]	43

BLO-Line® 31.5 monitor backside

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WebPoster M3 - Website Player
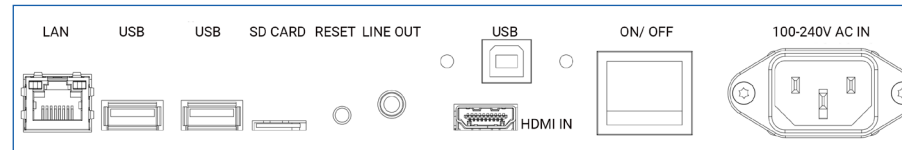
WebPoster M3 is an industrial FHD network player to show websites. It is a special designed FORTEC Integrated O/S for Artista IOT monitors.

Firmware is compatible with touchscreen applications.

Order number Landscape		DS-92-221
Order number Portrait		MO-41-063
Interfaces		1 x LAN, 2 x USB,, 1 x HDMI, 1 x Audio Line-Out, 1 x MicroSD card slot
Raspberry® PI		CM3+, CM 4, 32 GB
Power consumption (typ.)	[Watt]	43
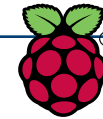
IOT - Raspberry® IoT Controller
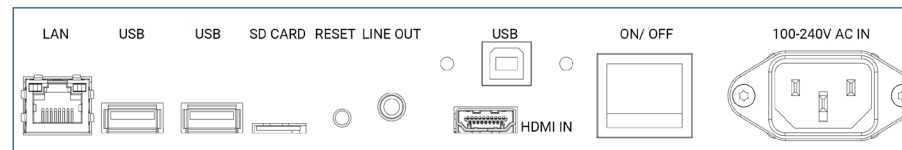
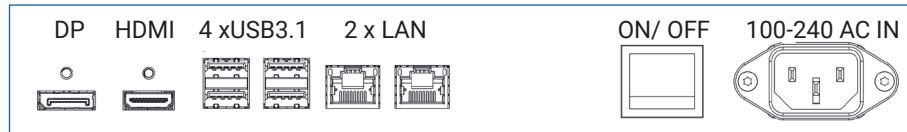| Order number Landscape		DS-92-074
Order number Portrait		MO-41-061
Interfaces		1 x LAN, 2 x USB,, 1 x HDMI, 1 x Audio Line-Out, 1 x MicroSD card slot
Raspberry® PI		CM3+, CM 4, 32 GB
Power consumption (typ.)	[Watt]	43

PC Intel® – Atom™

BLO-Line® 31.5

	DP	HDMI	4 xUSB3.1	2 x LAN	ON/ OFF	100-240 AC IN

Order number Landscape		DS-92-052
Order number Portrait		MO-41-059
Interfaces		1 x DP, 1 x HDMI, 2x Ethernet RJ45, 4x USB 3.0
PC		CPU: Intel® Atom™ x7-E3950 Quad-Core (4x 1.6/2.0 GHz), RAM: 8 GB DDR3L, Storage: min. 128 GB M.2 SATA
Fan		no
Power consumption (typ.)	[Watt]	55

Options

Touch integrated

	DS-92-131	Touch monitor Landscape with Prisma Media Eco
	MO-41-058	Touch monitor Portrait with Prisma Media Eco
	DS-92-152	Touch monitor Landscape with IQ Atom™
	MO-41-060	Touch monitor Portrait with IQ Atom™
Order number	DS-92-153	Touch monitor Landscape with Raspberry® IoT
	MO-41-062	Touch monitor Landscape with Raspberry® IoT
	DS-92-214	Touch monitor Landscape with WebPoster M3
	MO-41-064	Touch monitor Landscape with WebPoster M3
Touch technology		PCAP touch, projected capacitive
Glass		Fire protection glass 6.5 mm
Can be combined with		—

BLO-Line® 31.5 monitor with touch screen

Options

BLO-Line® 31.5

Additionals

Product	Order no.	Product description
Extinguishing cartridge	DS-92-079	Higher safety in cases of fire for all versions of BLO-Line®
Bezel with cable feedthrough	DS-92-107	Front bezel with outlet for cable feed BLO-Line® 31.5, to cover the cable connections
Barcode Scanner	on request	Barcode Scanner in front behind the glass

Accessories

Software

Product	Order no.	Product description
WIN 10 IOT Atom™	DS-60-899	Embedded operation system 2019 LTSC

Windows 10 IoT Enterprise is a full version of Windows 10 that provides enterprise manageability and security for embedded devices and IoT solutions such as medical devices, industrial automation, measurement systems, and more. It's a binary equivalent of Windows 10 Enterprise, so you can use the same familiar development and management tools as you would on client PCs and laptops. The embedded version of Windows 10 IoT Enterprise is supported by Microsoft for at least 10 years.

Contact

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