



FORTEC
GROUP

BLO-Line®

Blaze load optimized monitors 24.0 inch — according to class A1

One partner, unlimited technology solutions

Product Features

Designed,
developed and
made in Germany

BLO-Line® 24.0

Suitable for escape
and rescue routes



Fire protection
according to class A1

Fully functional unit
is certified

Without additional
fireproof enclosure



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.

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

Panel and housing

	Measure	Description
Panel Diagonal & Pixel class	[mm] / [Inch]	609.7/ 24.0 ISO 9241-307 (pixel error class II)
Type		BLO-Line monitor with glass and bezel
Resolution	[Pixel]	1.920 x 1.080 FHD
Luminance (center)	[cd/m²]	300
Viewing angle (U/ D/ L/ R)	[°]	89/ 89/ 89/ 89
Active area (H/V)	[mm]	531.36 x 298.89
Backlight & Number of colors	[M]	LED 16.7
Contrast ratio		5000:1
Response time (on/off)	[ms]	25
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]	12.5
Dimension (W x H x D)	[mm]	592 x 364 x 68
Conformity		CE, FCC Class A, EU-RoHS, A1 according to EN13501-1
Packaging		Single packaging for cargo pallet (max. 14 packages p.p.)
Package Contents		Safety instructions, power cable DB-07-607, BLO-Line® certificate

BLO-Line® 24.0

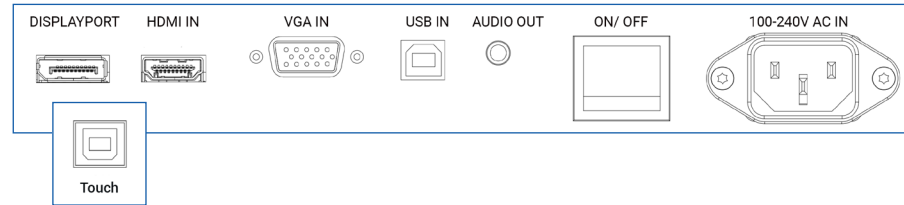


BLO-Line® 24 monitor

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



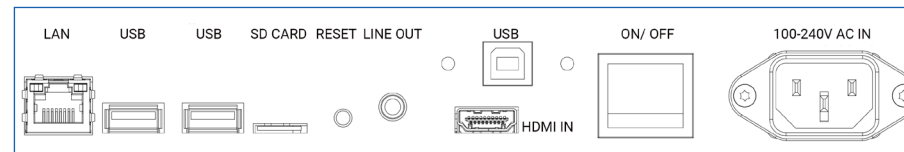
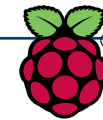
Order number Landscape		DS-92-057
Order number Portrait		MO-41-024
Interfaces		1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote
Power consumption (typ.)	[Watt]	18

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BLO-Line® 24 monitor

IOT - Raspberry® IoT Controller



Order number Landscape		DS-92-073
Order number Portrait		MO-41-028
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]	23

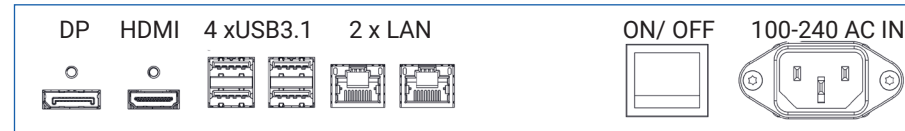


BLO-Line® monitor backside

PC Intel® - Atom™



BLO-Line® 24.0



Order number Landscape		DS-92-051
Order number Portrait		MO-41-026
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]	33



Options

Order number	DS-92-130	Touch monitor Landscape with Prisma Media Eco
	MO-41-025	Touch monitor Portrait with Prisma Media Eco
	DS-92-150	Touch monitor Landscape with IQ Atom™
	MO-41-027	Touch monitor Portrait with IQ Atom™
Touch technology		PCAP touch, projected capacitive
Glass		Fire protection glass 6.5 mm
Can be combined with		—

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-92-106	Front bezel with outlet for cable feed BLO-Line® 24, to cover the cable connections
Barcode Scanner	on request	Barcode Scanner in front behind the glass

Accessories

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.

BLO-Line® 24.0

Touch integrated



BLO-Line® 24 monitor with touch screen

Additional

Software

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