



FORTEC
GROUP

BLO-Line®

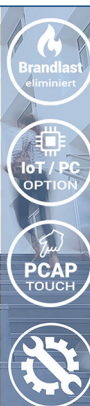
Blaze load optimized 4K monitors 42.5 inch — according to class A1

One partner, unlimited technology solutions

Product Features

Designed,
developed and
made in Germany

BLO-Line® 4K 42.5



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® 4K 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® 4K 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® 4K monitors meet the strict smoke development requirements of the German MVVTrB:2024/01. While the TSP600s limit for MVVTrB 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® 4K 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.

Suitable for escape and rescue routes



Fire protection according to class A1

Fully functional unit is certified

Without additional fireproof enclosure

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]	1079.5/ 42.5 ISO 9241-307 (pixel error class II)
Type		BLO-Line monitor with glass and bezel
Resolution	[Pixel]	3.840 x 2.160 (4K)
Luminance (center)	[cd/m²]	265 (Class F) 560 (Class G)
Viewing angle (U/ D/ L/ R)	[°]	89/ 89/ 89/ 89
Active area (H/V)	[mm]	941.50 x 529.42
Backlight & Number of colors	... [M]	LED 1070
Contrast ratio Response time on/off (typ)	... [ms]	4000:1 8
Life time back light until reaching half brightness	[h]	70.000
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 ~ 80 (non condensing) 30 ~ 80 (non condensing)
Panel orientation		Versions in Landscape and Portrait
Location of connectors and OSD buttons		Connector: Front View right (Landscape), Front View top (Portrait) OSD: Front View left (Landscape), Front View bottom (Portrait)
Housing		Powdered steel sheet, black RAL 9005
Glass		Fire protection glass, 6.5 mm
Power supply	[V]	AC 110-240/ 50-60 Hz
Weight	[kg]	30.0
Dimension (W x H x D)	[mm]	998 x 591x 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, mounting instruction, energy classification label

BLO-Line® 4K 42.5



BLO-Line® 4K 42.5 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.

Prisma 4K Advanced - HDMI, DisplayPort



Order number Landscape		MO-41-013
Order number Portrait		MO-41-047
Interfaces		1x HDMI 1.4; 1 x HDMI 2.0; 1x DP 1.4; 1x Audio 3,5mm, USB B (Touch)
Power consumption (typ.)	[Watt]	120

Options



Order number Landscape	MO-41-014	Touch monitor with Prisma 4K
Order number Portrait	MO-41-048	Touch monitor with Prisma 4K
Touch technology		PCAP touch, 10 touch points, projected capacitive
Glass		Fire protection glass 6.5 mm
Can be combined with		—

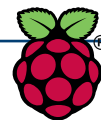
BLO-Line® 4K 42.5



BLO-Line® 4K 42.5 monitor backside incl. wall mount (darker coloured for demonstration)

Touch integrated

IOT - Raspberry® IoT Controller



Order number Landscape		MO-41-017
Order number Portrait		MO-41-051
Interfaces		2x USB-A; 2x USB-C; 1x Audio 3,5mm; Micro-HDMI (4k, 60Hz); LAN RJ45
Raspberry® PI		CM3+, CM 4, 32 GB
Power consumption (typ.)	[Watt]	110

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BLO-Line® 4K 42.5 monitor IoT

Options



Order number Landscape	MO-41-018	Touch monitor with Raspberry® IoT
Order number Portrait	MO-41-052	Touch monitor with Raspberry® IoT
Touch technology		PCAP touch, 10 touch points, projected capacitive
Glass		Fire protection glass 6.5 mm
Can be combined with		—

Touch integrated

WebPoster M4 - Website Player

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BLO-Line® 4K 42.5

Order number Landscape		MO-41-015
Order number Portrait		MO-41-049
Interfaces		2x USB-A; 2x USB-C; 1x Audio 3,5mm; Micro-HDMI (4k, 60Hz); LAN RJ45
Power consumption (typ.)	[Watt]	110

Options

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Touch integrated

Order number Landscape	MO-41-016	Touch monitor with Raspberry® WebPoster
Order number Portrait	MO-41-050	Touch monitor with Raspberry® WebPoster
Touch technology		PCAP touch, 10 touch points, projected capacitive
Glass		Fire protection glass 6.5 mm
Can be combined with		—

PC Intel® - Atom™

PRELIMINARY



Order number Landscape		MO-41-019
Order number Portrait		MO-41-053
Interfaces		1x DP, 1x USB-C, 2x LAN, 2x USB 3.2
PC		CPU: Intel® Atom™ 2x3,2GHz, RAM: 8 GB DDR5, Storage: 128 GB M.2 2242 SATA
Fan		no
Power consumption (typ.)	[Watt]	tdb

BLO-Line® 4K 42.5



BLO-Line® 4K 42.5 IQ mit Touch

Options

PRELIMINARY

Order number Landscape	MO-41-020	Touch monitor with IQ Atom™
Order number Portrait	MO-41-054	Touch monitor with IQ Atom™
Touch technology		PCAP touch, 10 touch points, projected capacitive
Glass		Fire protection glass 6.5 mm
Can be combined with		—

Touch integrated

Additional

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	MO-41-022	Front bezel with outlet for cable feed BLO-Line® 4K 42.5, to cover the cable connections
Barcode Scanner	on request	Barcode Scanner in front behind the glass

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