



**FORTEC**  
GROUP

**BLO-Line®**

Blaze load optimized 4K monitors 54.6 inch — according to class A1

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One partner, unlimited technology solutions

# Product Features

Designed,  
developed and  
made in Germany

BLO-Line® 4K 54.6



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 m<sup>2</sup> and for the EU norm EN13501-1:2019-05 it is 50 m<sup>2</sup>, BLO-Line with 21 m<sup>2</sup> 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](http://www.brandschutzmonitore.de)



# Panel and housing

|                                                     | Measure       | Description                                                                                                                          |
|-----------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Panel Diagonal & Pixel class                        | [mm] / [Inch] | 1387/ 54.6   ISO 9241-307 (pixel error class II)                                                                                     |
| Type                                                |               | BLO-Line monitor with glass or touch 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]          | 1208 x 678                                                                                                                           |
| Backlight & Number of colors                        | ...   [M]     | LED   1070                                                                                                                           |
| Contrast ratio   Response time (on/off)             | ...   [ms]    | 4000:1   8.5                                                                                                                         |
| 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 ~ 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)<br>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]          | 55.0                                                                                                                                 |
| Dimension (W x H x D)                               | [mm]          | 1267 x 738 x 78                                                                                                                      |
| Conformity                                          |               | CE, FCC Class A, EU-RoHS, A1 according to EN13501-1                                                                                  |
| Packaging                                           |               | Single packaging for one way 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 54.6



BLO-Line® 4K 54.6 monitor



BLO-Line® 4K 54.6 monitor with touch screen

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

**BLO-Line® 4K 54.6**

|                          |        |                                                                     |
|--------------------------|--------|---------------------------------------------------------------------|
| Order number Landscape   |        | MO-41-004                                                           |
| Order number Portrait    |        | MO-41-039                                                           |
| 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] | 71                                                                  |



BLO-Line® 4K 54.6 monitor backside incl. wall mount (darker coloured for demonstration)

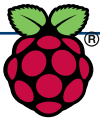
## Options



|                        |           |                                                   |
|------------------------|-----------|---------------------------------------------------|
| Order number Landscape | MO-41-005 | Touch monitor with Prisma 4K                      |
| Order number Portrait  | MO-41-040 | 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   |           | —                                                 |

**Touch integrated**

# IOT - Raspberry® IoT Controller



|                          |        |                                                                     |
|--------------------------|--------|---------------------------------------------------------------------|
| Order number Landscape   |        | MO-41-008                                                           |
| Order number Portrait    |        | MO-41-043                                                           |
| 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] | 150                                                                 |

BLO-Line® 4K 54.6



# Options



|                        |           |                                                   |
|------------------------|-----------|---------------------------------------------------|
| Order number Landscape | MO-41-009 | Touch monitor with IoT                            |
| Order number Portrait  | MO-41-044 | Touch monitor with IoT                            |
| Touch technology       |           | PCAP touch, 10 touch points, projected capacitive |
| Glass                  |           | Fire protection glass 6.5 mm                      |
| Can be combined with   |           | —                                                 |

BLO-Line® 4K 54.6 IoT

Touch integrated

WebPoster M4 - Website Player

G

A  
↑  
G

BLO-Line® 4K 54.6

|                          |        |                                                                     |
|--------------------------|--------|---------------------------------------------------------------------|
| Order number Landscape   |        | MO-41-006                                                           |
| Order number Portrait    |        | MO-41-041                                                           |
| Interfaces               |        | 2x USB-A; 2x USB-C; 1x Audio 3,5mm; Micro-HDMI (4k, 60Hz); LAN RJ45 |
| Power consumption (typ.) | [Watt] | 150                                                                 |

Options

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|                        |           |                                                   |
|------------------------|-----------|---------------------------------------------------|
| Order number Landscape | MO-41-007 | Touch monitor with WebPoster                      |
| Order number Portrait  | MO-41-042 | Touch monitor with WebPoster                      |
| Touch technology       |           | PCAP touch, 10 touch points, projected capacitive |
| Glass                  |           | Fire protection glass 6.5 mm                      |
| Can be combined with   |           | —                                                 |

Touch integrated

## PC Intel® - Atom™

PRELIMINARY



|                          |        |                                                                           |
|--------------------------|--------|---------------------------------------------------------------------------|
| Order number Landscape   |        | MO-41-010                                                                 |
| Order number Portrait    |        | MO-41-045                                                                 |
| 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] | 170                                                                       |

## BLO-Line® 4K 54.6



BLO-Line® 4K 54.6 IQ

## Options

PRELIMINARY

|                        |           |                                                   |
|------------------------|-----------|---------------------------------------------------|
| Order number Landscape | MO-41-011 | Touch monitor with IQ                             |
| Order number Portrait  | MO-41-046 | Touch monitor with IQ                             |
| 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-41-023  | Front bezel with outlet for cable feed BLO-Line® 4K 54.6, to cover the cable connections |
| Barcode Scanner              | on request | Barcode Scanner in front behind the glass                                                |

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