



**FORTEC**  
GROUP

# POS-Line BLO

Blaze load optimized monitors from 31.5 and 46 inch according class B-s1, d0

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One partner, unlimited technology solutions

# Product Features

Designed,  
developed and  
made in Germany

POS-Line BLO

The FORTEC Integrated GmbH has been developing and manufacturing industrial monitors and display solutions for more than twenty years. Based on the POS-Line series, the FORTEC Integrated has developed a series of monitors which has been specifically optimized for fire behavior and flue gas development. All plastic parts, adhesive tapes and other combustible parts have been eliminated as far as possible. The housing has been completely made of metal. In the absence of a classification system for electronic devices, the monitors were tested according to european DIN EN 13501-1 using the SBI method according to EN 13823: 2015-02.

The necessary fire test was carried out at the MFPA-Leipzig/Germany, which is a test institute for material research and inspection authority for construction engineering industry. Tested results in accordance with the above mentioned standards were confirmed by an independent expert.

The fire test has shown that the measured values are clearly below the class B-s1,d0, which makes the classification of the monitor in B which means hardly inflammable, and s1 which means no or hardly flue gas development and d0 no draining.

According to Fire Protection Class B-s1,d0

- DISPLAYS FOR ESCAPE ROUTES ACCORDING B-s1,d0
- NO/ BARELY SMOKE GAS DEVELOPMENT
- NO BURNING DROPLETS
- INTEGRATED THERMAL SECURITY
- HALOGEN FREE POWER SUPPLY CABLE
- BLAZE LOAD CERTIFICATE
- INTEGRATED PC
- FIRE PROTECTION GLASS
- HARDLY FLAMMABLE
- ROBUST METAL CHASSIS, VESA



Certificate of registration of utility model  
No.20 2017 002 566  
Name: Blaze load and smoke gas optimized monitor  
IPC: G09F 9/30  
Owner: Distec GmbH, Sales of electronic components  
82110 Germering, Germany  
Date of entry: 01.08.2017



Fördermitglied im  
**bvbf**

FORTEC Integrated is supporting member of Bundesverband Brandschutz-Fachbetriebe e.V..

Please also visit our website:  
[www.brandschutzmonitore.de](http://www.brandschutzmonitore.de)

# Panel and housing

## POS-Line BLO

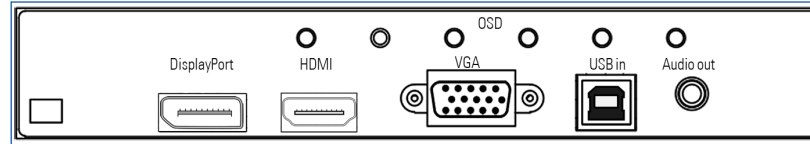
Panel Diagonal	[mm]/[inch]	800.1/ 31.5"	1168.4/ 46.0"
Type		Smoke gas and blaze load optimized displays with certificate	
Resolution	[Pixel]	1920 x 1080 (FHD)	
Brightness	[cd/m <sup>2</sup> ]	500	700
Viewing angle (U/ D/ L/ R)	[°]	83/ 83/ 83/ 83	
Active Area	[mm]	698.40 x 392.85	1018.08 x 572.67
Backlight   Number of colors	[M]	LED   16.7	
Contrast ratio		3000:1	4000:1
Response time (on/ off)	[ms]	8	6.5
Pixel class		ISO 9241 - 307 (pixel error class II)	
Life time back light until reaching half brightness	[h]	50.000	
Continuous operating time		24/ 7	
VESA	[mm]	MIS-F 400 x 400 (M6)	
Operating temperature	[°C]/ [°F]	0 ~ 40/ 32 ~ 104	
Operation humidity	[%]	10 ~ 90 (non condensing)	
Storage temperature	[°C]/ [°F]	-20 ~ 60/ -4 ~ 140	
Panel orientation		Portrait and landscape	
Location of connectors and OSD		Landscape: backside down/ Portrait: backside left	
Housing and front bezel		Sheet steel, powder coated, RAL 9005 (black), including connection cover	
Glass   IP grade		Fire protection glass, 7mm, IP20 on the front	
Power supply	[V]	AC 100 - 240V/ 50-60 Hz	
Conformity		CE, EU-RoHS, B-S1, d0 according to EN13501-1	
Packaging		single packaging, max. 3 pcs. per pallet	
Package Contents		Safety instruction, Power cable DB-07-604, BLO-B certificate	

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.

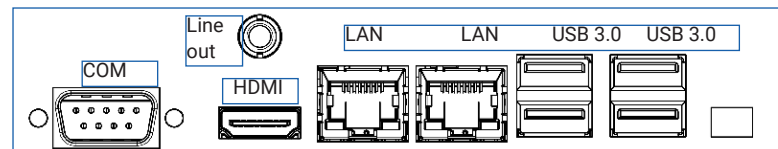
## Video PME - VGA, HDMI, DisplayPort

POS-Line BLO



Order number		DS-91-727	DS-91-731
Size	[mm]/[inch]	800.1/ 31.5"	1168.4/ 46.0"
Interfaces		1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Remote OSD, 1 x OSD 4 button	
Power consumption (typ.)	[Watt]	44	75
Weight	[kg]	20.3	36.8
Dimensions (W x H x D)	[mm]	762 x 456 x 117.5	1081 x 636 x 117.5

## IQ Celeron - PC Intel® Celeron®



Order number		DS-91-965	DS-91-967
Size	[mm]/[inch]	800.1/ 31.5"	1168.4/ 46.0"
Interfaces		2 x Gigabit LAN, 4 x USB 3.0, 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	
Fan		no	
Power consumption (typ.)	[Watt]	55	90
Weight	[kg]	20.6	37.1
Dimensions (W x H x D)	[mm]	762 x 456 x 117.5	1081 x 636 x 117.5

Various accessories are available for POS-Line monitors.  
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.

# Accessories

## POS-Line BLO

### Mount

Product	Order no.	Product description
Wall mount	DS-91-540	Inclinable wall mount for all displays from 31.5" up to 54.6"



### Software

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

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