

ZIM INFORMATION MONITOR 2 X 32 INCH, MASTER & SLAVE

PASSENGER INFORMATION STATIONARY



FEATURES

- Durable monitor for outdoor use
- Automated operational monitoring
- Lightweight



IDEAL FOR OUTDOOR USAGE EVEN UNDER MOST DEMANDING CONDITIONS

In spite of their robustness, the monitors are characterized by a relatively low weight. That means that existing poles or brackets can often be reused when replacing existing units, without the need for new static calculations.

Screen brightness is automatically adjusted to the ambient conditions in order to always ensure good readability combined with a moderate power consumption.

An integrated sensor package enables automated monitoring of the operating status and detection of vandalism.

DOUBLE-SIDED DESIGN WITH MASTER AND SLAVE-MONITOR

This datasheet describes a combination of a master monitor and a matching slave monitor (identical in design, but without an integrated PC). The two devices are then typically mounted back to back so that the departure information for a specific track can be read from two opposite directions. The PC included in the master monitor also controls the slave monitor.

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TECHNICAL DATA

Display	
Technology	TFT Display
Aspect Ratio	Each master or slave monitor contains two TFT panels side by side, aspect ratio is 16:9 per panel
Screen Diagonal	Each master or slave monitor contains two TFT panels side by side, screen diagonal is 31,55 inch per panel
Color Depth	16,7 millions colors
Contrast Ratio	4000:1
Active viewing area	Each master or slave monitor contains two TFT panels side by side. The active viewing area of each TFT panel is 698,4 mm x 392,8 mm.
Resolution	Each master or slave monitor contains two TFT panels side by side. The pixel resolution of each TFT panel is 1920 pixels x 1080 pixels (Full HD).
Brightness	Limited to approx. 1000 cd/m ² , higher luminance possible on request
Brightness Control	The display brightness is automatically adjusted to the ambient brightness
Viewing Angle	89° from all directions (without cover glass)
Backlight	Each TFT display is backlit by an LED matrix (no so called Edgelight)
Display Response Time	8 ms
Refresh Rate	60 Hz
Display Surface	The display surface is anti-reflective
Audio	
Language	Text-to-speech conversion is available in more than 30 languages
Technology	As an upgrade option the display can be enhanced with a text-to-speech conversion function
Level	Automatic adjustment of the volume to the time of day or the intensity of the ambient noise
Audio Trigger	Text-to-speech announcements are typically triggered by an external push button that also contains the speaker for audio output
Acoustic Guidance	An acoustic signal (regular knocking, etc.) can be emitted to make it easier for visually impaired people to find the button
Anti Vandalism	
Sensor Package	Sensors for detection of glass breakage, vibration, door opening and water ingress available as upgrade option
Computer	
Processor	Intel Gemini Lake dual-core 2,7 GHz (optional quad-core 2.8 GHz)
Memory	At least 64 GB
RAM	4 GB
Software	
Operating System	Windows 10 IoT or Linux Debian 10
Applications	PaCIM Software Suite for data supply and administration
Update	Software can be updated remotely
Electrical Properties	
Operating Voltage	90-250 V AC
Power Consumption	Maximum power consumption at maximum brightness: 600 W
Electrical Protection Class	Protection class II according to EN 61140

Disclaimer

Features and specifications are subject to change without notice. Properties relating to the Goods contained in this document do not constitute the product specifications but typical values for purposes of description only. February 2023

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Interfaces	
WLAN	Optionally available, WiFi 5 (802.11 ac)
Cellular	LTE Cat3 with fallback to 2G, if no LTE is available
Ethernet	Gbit Ethernet RJ45
Mechanical Properties	
Weight	2 x 70 kg = 140 kg
Dimensions	Each master or slave monitor: 1650 mm x 580 mm x 180 mm
Housing	Aluminum housing
Finishing	Powder coating
Color	All RAL colors available, Standard is RAL 9006 for the back of the housing and RAL 5022 for the front flap
Front Glass	Laminated safety glass with anti-reflective coating on both sides
Mounting	Mounting points on the rear side of each monitor (master or slave)
Environment	
Operating Temperature	-25°C to 40°C Ambient temperature with simultaneous exposure to sunlight
Storage Temperature	-20°C to 60°C
Ingress Protection	Standard is IP55, as an upgrade option also IP65 possible
Impact Protection	Standard glass: IK09, reinforced glass: >IK10
Cooling	Built-in fans create internal air circulation
Drawings	
2D Outline	62313.MB

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