ZIM INFORMATION MONITOR 2 X 32 INCH, MASTER

PASSENGER INFORMATION STATIONARY

FEATURES

- Highly reliable under outdoor conditions

- Excellent readability when exposed to direct sun

- Maintenance free operation

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.

MASTER & SLAVE CONCEPT

The master monitor shown here can also be combined with a matching slave monitor (identical in design, but without integrated PC). The two devices are then typically mounted back to back, so that the departure information for a particular platform can be read from two opposite directions.

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TECHNICAL DATA

Display	
Technology	TFT Display
Aspect Ratio	Two TFT Displays next to each other, active ratio 16:9 per Display
Screen Diagonal	Two TFT Displays next to each other, screen diagonal of each display measures 31,55 inch
Color Depth	16,7 million colors
Contrast Ratio	1100:1
Active Display Area	Two TFT Displays next to each other, active viewing area of each display measures 698,4 mm x 392,85 mm
Resolution	Two TFT Displays next to each other, resolution of each display is 1920 pixels x 1080 pixels (Full HD)
Brightness	Limited to 1000 cd/m², 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 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 the visually impaired people to find the button

Anti Vandalism	
Sensorpackage	Sensors for detection of glass breakage, mechanical shock, 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	Optional: 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: 311 W
Electrical Protection Class	Protection class II according to EN 61140

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TECHNICAL DATA

Interfaces	
WLAN	Optionally available, WiFi 5 (802.11 ac)
Cellular	LTE Cat3 with with fallback to 2G, if no LTE is available
Ethernet	Gbit Ethernet RJ45
Mechanical Properties	
Weight	70 kg
Dimensions	1650 mm x 580 mm x 180 mm
Housing	Aluminum housing
Finishing	Powder coating
Color	All RAL colors are available, standard is RAL 9006 for the rear of the housing and RAL 5022 for the front flap
Front glass	Laminated safety glass with anti-reflective coating on both sides (VSG)
Mounting	Fixing points on the back of the housing
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	62274.MB

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