

LMM 56800

Large Monitor Manager for RadiForce LS560W



- Large Monitor Manager for multi source applications
- Up to 27 different sources can be connected
- Source window can be arranged at any position on the output window
- Inputs can be scaled up and down (bilinear)
- Prepared to be connected to RadiForce LS560W
- Analog and digital signal support at input side
- Predefined analog signal timings for quick signal recognition
- High reliable design (redundant power supply, no harddisk, watch dog)
- Customer specific control interface for integration in customer application
- Switching time between predefined sets is less than 0.5 s, transition is flickerfree
- WEB based configuration tool
- Diagnostic and status information available via network
- Input to output delay from 0 frames for one channel to max. of 2 frames

display SOLUTIONS

The Large Monitor Manager collects different video sources, combines these information and transmits the combined window to the wide screen monitor RadiForce LS560W.

Place and size of the source windows on the RadiForce LS560W can be easily arranged by customer.

These arrangements can be stored as sets. Different sets can be created according the special application needs.

Switching between sets can be done by a web based tool or by customer application through an API.

Redundant power supplies support high reliability. Status information can be retrieved by network.



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Technical specifications	
Input performance	
Total number of inputs*	21 (14)
▪ Digital	21 (14)
▪ Analog	6 (4)
Number of simultaneous visible inputs*	21 (14)
Digital input performance	DVI-D single link Max. 1920 x 1200, 60 Hz (max. 165 MHz pixelclock, max. horizontal size 2048)
Hi speed analog input performance (3 ports)	Max. 1600 x 1200, 60Hz
Standard analog input performance (3 ports)	Max. 1280 x 1024, 75 Hz
Connectivity*	
▪ Digital	18 (12) HDMI connectors (DVI signals only), 3 (2) DVI-D
▪ Analog	3 (2) DVI-I 3 (2) sub-D 15
Input options	
Cropping	Incoming signals can be cropped on bottom, top, left or right
Scaling	Each incoming signal can be scaled by factor 0.5 to 2
Screen dubbing	An input signal can be shown twice (e.g. cropped and full size)
Naming	Each screen can be named, a window boarder can be chosen in predefined color
Input status	Enable, disable, and valid signal is stated
Overview function	All incoming signals can be shown at a time for diagnosis or overview
Synchronizing	All input signals can be synchronized to one master channel
Output delay	Programmable from 0 frame to 2 frame delay
Event handling layout	Automatic layout change when enables input signal goes active or inactive
Event handling screen	Automatic switch of screen content when enabled input signal goes active or inactive
Output performance	
Connectivity	2 x DVI dual link
Supported signals	DVI-D dual link
Supported formats	Up to QFHD

* Values in brackets are valid for LMM 56800 1E-18.

Technical specifications	
Data interface	
Connectivity	DVI
Supported signals	DDC
Controls	
Controls	Software control interface for layout, status and diagnosis
Indicators	LED for power supplies
Network interface	
Type	1 Ethernet interface
Connectivity	RJ 45
Climatic conditions	
Operating temperature	0 ... +40 °C (-32 ... +104 °F)
Storage temperature	-20 ... +55 °C (-4 ... +131 °F)
Operating humidity	10 % ... 80 %, relative, not condensing
Storage humidity	10 % ... 95 %, relative
Barometric pressure	1060 hPa ... 700 hPa
Power requirements	
Input voltage	100 ... 240 V AC, 50 ... 60 Hz
Input current	5.0 ... 2.5 A
Redundancy	2 independent power supplies, hot swap capable
Mechanical specifications	
Mechanical adaption	19" rack design, 4 U high
Degree of protection	IP20
Dimensions (W x H x D) in mm	482.6 x 177 x 470
Weight	< 20 kg
Approvals	
Safety	EN60950-1 CAN/CSA C22.2 No.60950 UL60950-1
EMC	EN55022 limit B

Ordering data	
Model number	
LMM 56800 1E-18 (max. 14 screens)	6GF6020-1AA00
LMM 56800 1E-27 (max. 21 screens)	6GF6020-1AB00
RadiForce LS560W (without stand)	6GF6200-8AA01

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