

OMNIS[®]

AV Monitoring Platform

Stop errors in their tracks with Megapixel's on-premises TRU OMNIS[®] AV System Monitoring Platform. Manage and monitor LED display systems 24/7 to resolve issues in real-time and aggregate billions of pixels into a single dashboard view. Streamline your multi-location displays, feel confident at showtime for live events, and simplify your display spectaculars.

Comprehensive
System View

On-Premises or Cloud-
Connected

Real-Time
Alerts

Visual Health
Map

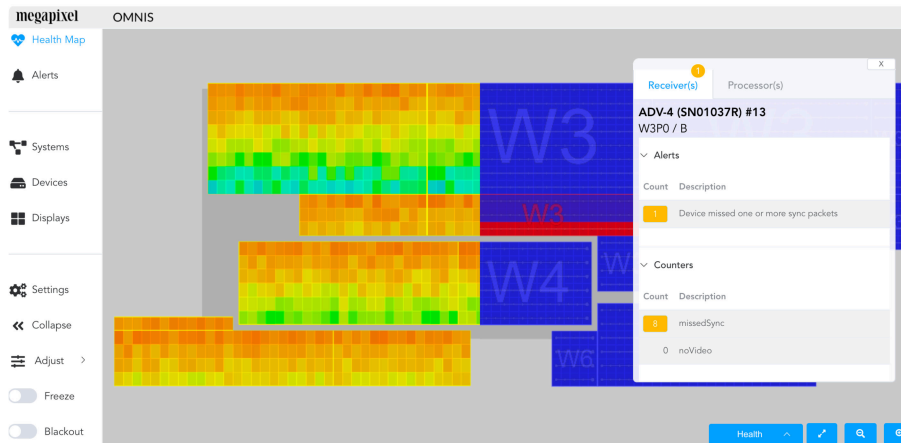
Multi-Display
Global Adjustments



megapixel

Thermal and Health Map Views

OMNIS offers a constant real-time visual overview of the entire display system. A Thermal Map to provide heat data for display devices across any number of systems, while Health Map includes signal integrity and LED cabling directions.



Billions of pixels and hundreds of processors in a single view

Drill down to see specific tile alerts

Active Alert Logging

OMNIS timestamped event logging allows for fault detection, even those not visible to the eye. The continuous log provides actionable data for quick and easy troubleshooting.

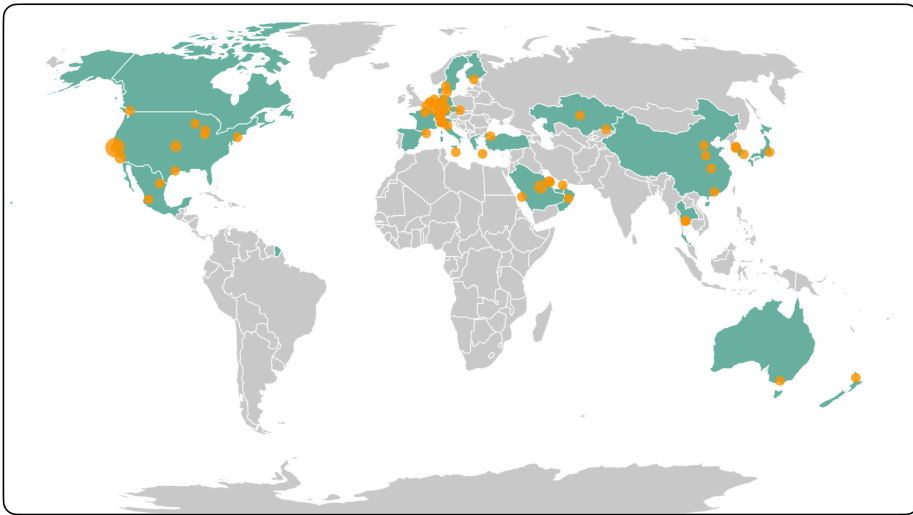
#	Severity	Time	Resolved	Device	Message	Tags & Comments
24	Warning	Today 12:37:09 PM		W5-167 2 / 2P2 / D / 14	Device missed one or more video packets	
23	Warning	Today 12:37:09 PM		W3-798 0 / 0P6 / D / 5	Device missed one or more video packets	
22	Critical	Today 12:37:09 PM		W3-721 0 / 0P5 / C / 24	Device offline	
21	Critical	Today 12:37:09 PM		W3-720 0 / 0P5 / C / 23	Device offline	
20	Critical	Today 12:37:09 PM		W3-719 0 / 0P5 / C / 22	Device offline	
19	Critical	Today 12:37:09 PM		W3-718 0 / 0P5 / C / 21	Device offline	
18	Critical	Today 12:37:09 PM		W3-717 0 / 0P5 / C / 20	Device offline	
17	Critical	Today 12:37:09 PM		W3-716 0 / 0P5 / C / 19	Device offline	

Receive alerts when the system deviates from baseline

Track and inform actions with alert filters, tags, and comments

Streamline Multi-Location Displays

OMNIS provides centralized system monitoring to coordinate displays across continents and inform site plans with historical data. When combined with CLOUD, teams can access remotely, empowering techs on-site with actionable data.



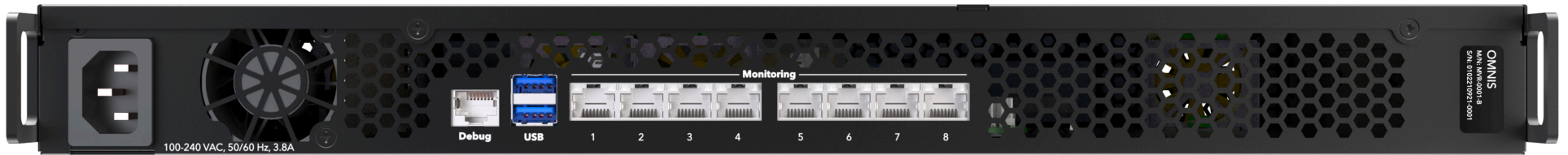
- Check system status before deploying techs on-site
- Projectors, networking, video routers, and more supported

Supports Projectors, Networking

OMNIS monitors more than LED. Connect compatible with PLink protocol supported projectors, video routers, SNMP-based networking, smart power systems and more to get the same real-time data and alerts.




- All connected devices available in a single view
- Supports RESTful API and CLOUD



SPECIFICATIONS

NETWORK		8 x 10/100/1000 Ethernet ports (bridged) for device monitoring
DIMENSIONS (W x H x D IN MM IN)		1RU 481.5 x 44.2 x 393 19 x 1.7 x 16.3
WEIGHT (IN KG LBS)		8.9 12.6
POWER		100 - 240V AC, 50Hz/60Hz, 3.8A
OPERATING CONDITIONS		Indoor 15°C ~ 40°C
MONITORING		Aggregates up to 200 screen processors into a single map view
API (Application Programming Interface)		Exposes full control & monitoring of OMNIS via JSON-RPC over REST-style interface. Allows integration with external systems.
CLOUD BASED MONITORING (Optional)		Centralized, secure remote management of multiple OMNIS systems & locations, through a single pane-of-glass interface.
COMPATIBLE	PROCESSING PLATFORMS	Megapixel Revolution Display NovaStar* Barco* *Not all models supported
	PROJECTORS	PJLink Protocol
	NETWORKING	NETGEAR® Managed Switches (SNMP v2)
VIDEO ROUTERS		Lightware

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 CAPABILITIES		Megapixel	Revolution Display	NovaStar	Barco
CONFIGURATION	DISPLAY SYSTEM REDUNDANCY	-	-		
DISPLAY INFO	HEALTH MAP	-	-	-	-
	HEAT MAP	-	-	-	-
	SWITCH PORT MAPS	-	-		
DISPLAY CONTROL	INPUT	-	-		
	TEST PATTERNS	-	-		
	BLACKOUT	-	-	-	-
	FREEZE	-	-	-	-
	BRIGHTNESS	-	-	-	-
	GAMMA	-	-	-	-
DEVICE INFO	(TYPE, VERSION, S/N) DEVICE DATA	-	-	-	-
	INPUT SETTINGS	-	-	-	-
	DEVICE STATUS	-	-	-	-
	PORT CONFIGURATION	-	-	-	
PROCESSOR ALERTS	INPUT SOURCE ERROR	-	-		
	OUTPUT ERROR	-	-		
	PROCESSING ERROR	-	-		
	SENSOR ERROR	-	-		



CAPABILITIES (cont)		Megapixel	Revolution Display	NovaStar	Barco
TILE INFO & ALERTS	(TYPE, VERSION, S/N) TILE DATA	-	-		-
	(TYPE, VERSION, S/N) RECEIVER CARD DATA	-	-	-	-
	TEMPERATURE	-	-	-	-
	VOLTAGE	-	-	-	
	TILE & NETWORK LINK ERRORS	-	-		-
	SENSOR ERRORS	-	-		
DISPLAY/SYSTEM ALERTS	ACTIVE	-	-	-	
	DEVIATION FROM BASELINE	-	-	-	
	HISTORICAL LOG	-	-	-	-
	ALERT NOTES & TAGS	-	-	-	
ADDITIONAL FEATURES	WEB API	-	-	-	-
	CLOUD MONITORING	-	-	-	-
SUPPORTED MODELS		HELIOS®	M8	MCTRL4K VX45	Infinipix NP100, NM100

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 CAPABILITIES		Projection	Networking
DEVICE INFO	HEALTH MAP	-	
	HEAT MAP	-	
	SWITCH PORT MAPS		-
	(TYPE, VERSION, S/N) DEVICE DATA	-	-
	INPUT SETTINGS	-	
	DEVICE STATUS	-	-
	PORT CONFIGURATION		-
SYSTEM ALERTS	PROJECTOR LAMP STATUS	-	
	NETWORK PORT MAP		-
	PORT STATUS		-
	ACTIVE	-	-
	DEVIATION FROM BASELINE	-	-
	HISTORICAL LOG	-	-
	ALERT NOTES & TAGS	-	-
ADDITIONAL FEATURES	WEB API	-	-
	CLOUD MONITORING	-	-
SUPPORTED MODELS		PJLink Protocol Supported	NETGEAR Managed Switches (SNMP v2)

