



MAGOS AI APPLIANCE MSA1057A

The Magos AI Appliance adds deep-learning video analytics to any IP camera. When connected to Magos Area Surveillance System (MASS) software, customers can improve radar detection performance and get automated target classification capability - greatly reducing nuisance alarms from wildlife and moving vegetation, and improving target detection and tracking performance.

KEY FEATURES

- Appliance features leading CPU and GPU hardware that simultaneously support Magos Area Surveillance Software with AI capabilities.
- Supports up to 10 PTZ cameras concurrently and can be stacked with more appliances to fit any number of cameras and radars
- Preloaded and configured with Magos' MASS and AI analytics technology
- High capacity video analytics processing
- Supports any ONVIF compliant cameras
- Pre-configured for quick and easy setup with MASS software
- Dual hot-swappable power supplies for high availability in the event of component failure



SPECIFICATIONS

SYSTEM

Control Software: MASS+AI – compatible with version 3.0.1 or above

Operating System: Linux® Ubuntu® 22.04 or higher

Processor: Intel Xeon W3-2423 4.00G 15MB 6 cores 110W CPU

Memory: 16GB (1x16GB) DDR5 4800 DIMM ECC REG Memory

Graphics: NVIDIA RTX A2000 12 GB GDDR6 4mDP Graphics

Storage: 3 X HP Z Turbo 512GB PCIe-4x4 2280 TLC U2M2 Solid State Drives; 2 Front Load Removable

Network: 1 x 2.5GbE + 1 x 1GbE ports.

Local Viewing: Yes or web-based administration

MECHANICAL

HP Z4 Rack G5 unit

Form Factor: Single Unit (1U Rack) WKS Packaging

Dimensions:

Base footprint without front bezel and rack brackets (H x W x D) : H: 1.685" (43mm) W: 17.25" (438mm) D: 25.8" (654mm)

With front bezel and rack brackets (H x W x D): H: 1.685" (43mm) W: 18.96" (487mm) D: 25.8" (675mm)

Weight: 11.92kg (26.27 lbs) with bezel; 11.68kg (25.74 lbs) without bezel

ELECTRICAL

Power Supply: 2 X 675W Redundant RCTO

ENVIRONMENTAL

Operating

- **Temperature:** 5° to 35°C (40° to 95°F).
- **Humidity:** 8% to 85% relative humidity, non-condensing, 35° C maximum wet bulb.
- **Vibration:** 0.5g (rms), 5-300 Hz, up to 0.0025g²/Hz
- **Maximum Altitude:** 5,000m (16,404 feet)

Storage

- **Temperature:** -40° to 60°C (-40° to 140°F).
- **Humidity:** 8% to 90% relative humidity, non-condensing, 35°C maximum wet bulb. No direct sustained sunlight
- **Vibration:** 2.0g (rms), 5-500 Hz, up to 0.0150 g²/Hz
- **Altitude (non-pressurized):** 12,192m (40,000 feet)

SUPPLIED ACCESSORIES

HP Z4 Rack Rail Rack Kit

Supports:

- Tool-less mounting in 19"-wide EIA-310-E compliant square hole and unthreaded round-hole 4-post racks
- Toolled mounting in threaded hole 4-post racks

Power Cords: 2

ANALYTICS PERFORMANCE

Decoding Channels: 10

Immediate Analytics Channels: Up to 4

DEVICE TYPES SUPPORTED

ONVIF compliant PTZ cameras with absolute move capability