# MSU-GLP

## Shore power / mounted unit

A self-contained surveillance platform mounted on poles or other suitable existing structures. It connects to an existing electrical power source and LTE cellular network for remote video, alerts and two-way audio.

Configuration is subject to final confirmation by Mirtek before procurement. Component ratings apply only to the named component.

## Model overview

| | |
|---|---|
| Power | Shore power / mounted unit |
| Mounting | Pre-existing poles and other suitable structures |
| Platform footprint | 16 × 16 in |
| Platform weight | Approximately 60–70 lb, depending on camera configuration |
| Input power | 120 / 240 VAC |
| Output power | 12 / 24 VDC |
| Enclosure | IP67-rated ABS plastic |
| Standard cameras | 2 × AXIS P3748-PLVE |
| Communications | CAT4 LTE; up to 150 Mbps downlink / 50 Mbps uplink |
| Audio | 15 W outdoor IP horn |

## Mounting & electrical power

| | |
|---|---|
| Mounting | Pre-existing poles and other suitable structures |
| Platform footprint | 16 × 16 in |
| Platform weight | Approximately 60–70 lb, depending on camera configuration |
| Input power | 120 / 240 VAC |

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|---|---|
| Output power | 12 / 24 VDC |
| Enclosure | IP67-rated ABS plastic |
| Warning lighting | 4 high-output blue LED strobes |

## Standard surveillance configuration

| | |
|---|---|
| Quantity | 2 |
| Camera model | AXIS P3748-PLVE |

## LTE communications

| | |
|---|---|
| Gateway type | CAT4 LTE IoT Ethernet gateway |
| Cellular performance | Up to 150 Mbps downlink / 50 Mbps uplink over air |
| LTE bands | B2, B4, B5, B12, B13, B14, B66, B71 |
| WCDMA bands | B2, B4, B5 |
| Ethernet | 10/100/1000 Mbps Gigabit Ethernet |
| USB | USB 2.0 |
| Networking | IPv4 / IPv6, TCP, UDP, DHCP, HTTP, SNMP, FTP, DNS, MQTT and related network protocols |
| Security | Firewall, ACLs, VPN, IPSec, GRE / VPN tunnelling, HTTPS and access controls |
| GPS | Integrated GPS support; up to 5 Hz update rate |
| Operating temperature | -40°C to +85°C |
| Dimensions | Approx. 1.75 × 1.75 × 1.35 in |

## Video control & alarm bridge

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|---|---|
| Video channels | 8 |

| | |
|---|---|
| Video alarm zones | 8 |
| Alarm handling | Real-time video alarms and notifications |
| Integration | ONVIF event messaging; integration with AI cameras and server platforms |
| Audio | IP and analog audio output |
| Central monitoring | Supports live video monitoring, live audio broadcasts and remote control with additional hardware |
| Network | 10/100 Ethernet, RJ45 |
| Power | 12 VDC or PoE, IEEE 802.3af Class 3 |
| Peak power consumption | 10.5 W |
| Security | TLS / SSL |
| Dimensions | 150 × 98 × 35 mm (5.9 × 3.86 × 1.38 in) |
| Weight | 265 g (0.6 lb) |

## Audible warning & communication

| | |
|---|---|
| Speaker type | 15 W outdoor IP horn speaker |
| Environmental protection | IP67 waterproof |
| Maximum SPL | 113 dB |
| Frequency response | 300 Hz–8 kHz |
| Amplifier | Built-in 15 W amplifier |
| Network interface | 10/100 Base-TX, RJ45 |
| Protocols | SIP, ONVIF, HTTP, IPv4, DHCP, RTSP, RTP, TCP, UDP and related network protocols |
| Audio | Network audio with support for multiple common audio codecs |
| Alarm input | 1 channel |

| | |
|---|---|
| Power | PoE or 12–24 VDC |
| Operating temperature | -30°C to +60°C |
| Humidity | 5–85% |
| Dimensions | 285 × 205 × 290 mm |
| Weight | 1.3 kg |

## On-board computer

| | |
|---|---|
| Computer type | Fanless mini PC |
| Processor | 4-core / 4-thread processor, up to 3.6 GHz, 8 W TDP |
| Memory | 16 GB RAM |
| Storage | 512 GB SSD |
| Storage expansion | M.2 2280 SATA/NVMe expansion; microSD support |
| Networking | Dual-band Wi-Fi 5, Bluetooth 5.1, Gigabit Ethernet |
| Video outputs | 2 × HDMI 2.0 plus USB-C video output |
| Data I/O | USB 3.2, USB 2.0, USB-C, RJ45 Ethernet, 3.5 mm audio |
| Unattended operation | Auto power-on, Wake-on-LAN, PXE/iPXE boot and RTC wake support |
| Physical dimensions | Approx. 5.2 × 3.2 × 0.7 in |
| Weight | Approx. 0.44 lb |

## Lighting & warning

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|---|---|
| LED strobe lights | Integrated LED strobe warning lights |

## System integration

| | |
|---|---|
| Camera customization | Camera quantity, model and analytics configuration can be customized |

| | |
|---|---|
| LTE customization | LTE hardware and connectivity configuration can be customized |
| Monitoring | Networked surveillance and alarm architecture suitable for integration with remote monitoring services |

## Notes & limitations

1. Specifications describe the stated configuration and are subject to configuration, component availability and manufacturer revisions. Confirm the final configuration with Mirtek before procurement.

2. Component ratings apply to the named component, not to the entire assembled surveillance unit. Cellular throughput is a stated maximum; actual speeds depend on coverage, carrier and network conditions.

## Discuss your configuration

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