

SUNSTONE SYSTEMS

IO SYSTEM

The IO is a robust multifunctional box that delivers the right power and enables connectivity to your devices in any location.

[PRODUCT BROCHURE](#)



Build your IO.

IO SYSTEM

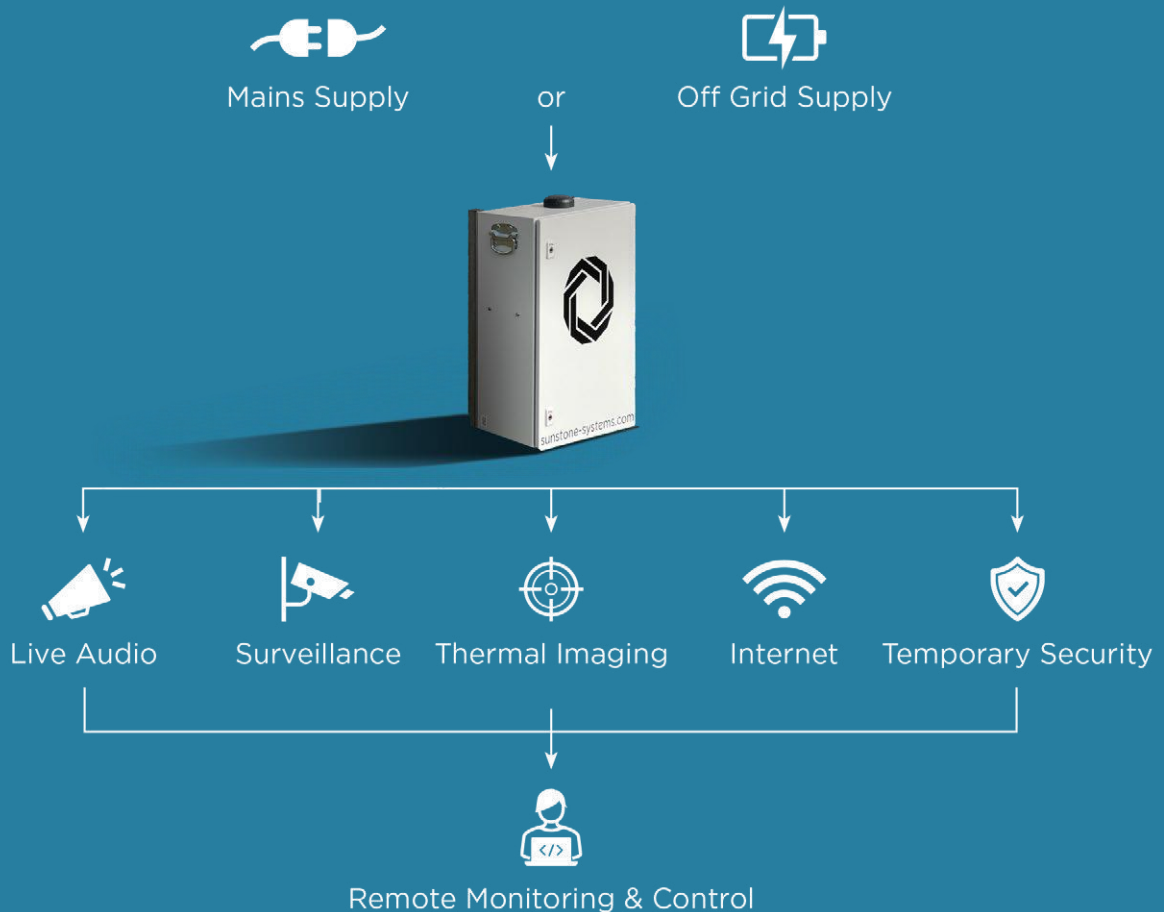
IO SYSTEM IS A RAPIDLY DEPLOYABLE SECURITY AND COMMUNICATION HUB WHICH PROVIDES RELIABLE, COST-EFFECTIVE SITE SECURITY.

WHAT DOES IT DO?

Provides 24/7 HD CCTV surveillance with intrusion detection alerts that can be streamed via a mobile network to any location or device.

STANDARD FEATURES

- Integrated PTZ, Thermal & Bullet Cameras for large-scale site coverage
- Integrated smart analytics including intrusion detection and perimeter security
- PA horn for instant live or pre-recorded audio deterrents
- Out of hours alarm monitoring with pre-agreed escalation process
- Access to live and recorded video footage on mobile devices through an encrypted cloud-based viewing application
- Flexible camera-mounting options so cameras can be installed where you need them



BENEFITS

BENEFITS OF IO

- Scalable, add and link multiple IO boxes on a single site to increase coverage
- Versatile, thermal and Pan Tilt Zoom camera options available
- Easily portable, deployed in tricky to reach locations
- Rapidly deployable cameras live and streaming in minutes
- Cost effective, big cost savings compared to on-site security guards
- Secure, lockable cabinet, tamper alerts, encrypted data
- Ruggedised, vandal resistant
- Battery back up in the event of power failure
- Connect other sensors including environmental monitoring sensors, IOT devices and PIR sensors
- Optional battery backup to ensure continued operation overnight or weekends

**RAPIDLY
DEPLOYABLE
CAMERAS
LIVE AND
STREAMING
IN MINUTES**



SECURITY OPTIONS



CCTV Surveillance Cameras

We can integrate a number of different camera types, specifications and manufacturers. This includes Bullet, PTZ and 180/360 Degree Cameras. The feed can be relayed from the IO and to the Cloud to be monitored.



Radar Detection

Our range of range radar detectors are integrated into the IO and are designed to work with CCTV cameras. Any detections would be confirmed visually by using the cameras and alerts relayed to the monitoring centre.



Thermal Imaging

Deploying thermal imaging cameras are most effective in complicated locations and over long distances. Detecting the thermal signature of an intruder, an alert is relayed via the cellular network and to the monitoring centre.



SECURITY OPTIONS

Smart Analytics

Our analytics transform video, audio, and other data into valuable insights you can act on instantly. We use AI to support data into triggers that let you respond appropriately to security and safety breaches as they occur. Our analytics options include:



Fence Guard detects and triggers an event when objects cross a predefined virtual line in the camera view.



Loitering Guard tracks moving objects and triggers an event if they've been in an area for too long.



Motion Guard detects and triggers an event when objects move within a predefined area in the camera view.



Video Motion detects and triggers an event when objects move within a predefined area in the camera view.



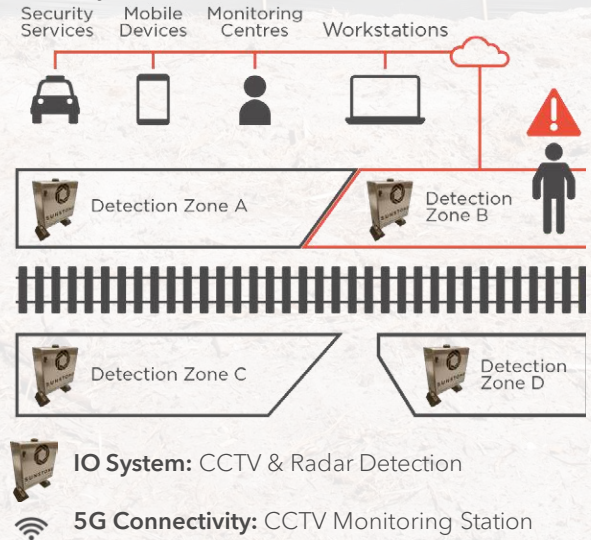
Perimeter Defender delivers physical access controls at the perimeter of your site.



Object Analytics detects and classifies humans and vehicles tailored to your surveillance needs.



Example Deployment: IO System (Security Platform) deployed into strategic locations trackside in four locations to detect intruders. Each IO has integrated CCTV Cameras and Radar which constantly are sweeping the area and using analytics can detect intruders and alert your monitoring centre. They can issue an audio warning and inform the local security team.



DATASHEET

UNIT DIMENSIONS AND CABINET

- Galvanised steel for Mounting Plate and Steel for Enclosure
- Height 600 mm, width 600 mm and depth 300 mm
- 3 points lock, 3 mm double-bar

ENVIRONMENT

- IP66 conforming to IEC 60529
- IK10 conforming to IEC 62262

SOFTWARE

- Integrates with any IP CCTV Video Management Software (VMS)
- Remote system health status and power performance monitoring
- Remote power cycle capability via text message and email

CERTIFICATION

- IEC 62208
- EAC Certification
- CE Marking
- British Engineering Standards

SENSOR OPTIONS

- Static IP CCTV Cameras, PTZ, Panoramic or Thermal Cameras, PIR and Radar

TELECOMMUNICATIONS

- 3G / 4G / 5G Cellular Router and Integrated Antenna
- Network CAT5e, Wireless PtP, PtMP, Mesh and Satellite Options

OPERATING TEMPERATURE

- -20 °C to +50°C

POWER AND CONTROL

- 110-230v
- Industrial PoE Switch
- DIN Rail Mounted Control and Power Supply
- Methanol Generator and Solar Panel versions available upon request

NOMINAL WEIGHT

- TBC

DATA STORAGE & ONLINE VMS ACCESS

- 1TB Onboard Storage (Up to 30 days recording) and connectivity to VMS for web viewing

TO DELIVER THE IO SYSTEM, WE WORK WITH YOU IN PARTNERSHIP TO UNDERSTAND YOUR OPERATIONAL REQUIREMENT AND YOUR KEY OBJECTIVES. YOU CAN CHOOSE FROM A RANGE OF APPROVED DEVICES IN YOUR SECTOR AND SELECT HOW YOU WOULD LIKE TO MANAGE THE DATA.

Contact our IO Consultants

Operational Requirement & Site Assessment

Select from a range of Sensors & Devices

Choose how you would like to manage data

Deploy IO



Security

- CCTV Surveillance
- Smart Analytics
- Perimeter Detection
- Remote Monitoring



Telecoms

- Temporary Event WIFI Mobile Hotspot
- Point to Point Networks



Oil & Gas

- Site Security
- Wellhead Telecoms
- Gas Detection



Rail

- Trackside Monitoring
- Set down Yard Security
- Passenger Surveillance & Monitoring



Construction

- Site Security
- Health & Safety
- 24/7 Hotspot & WIFI



Highways

- Traffic Monitoring
- Average Speed Detection (TASCAR)
- Air Quality Monitoring



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