

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

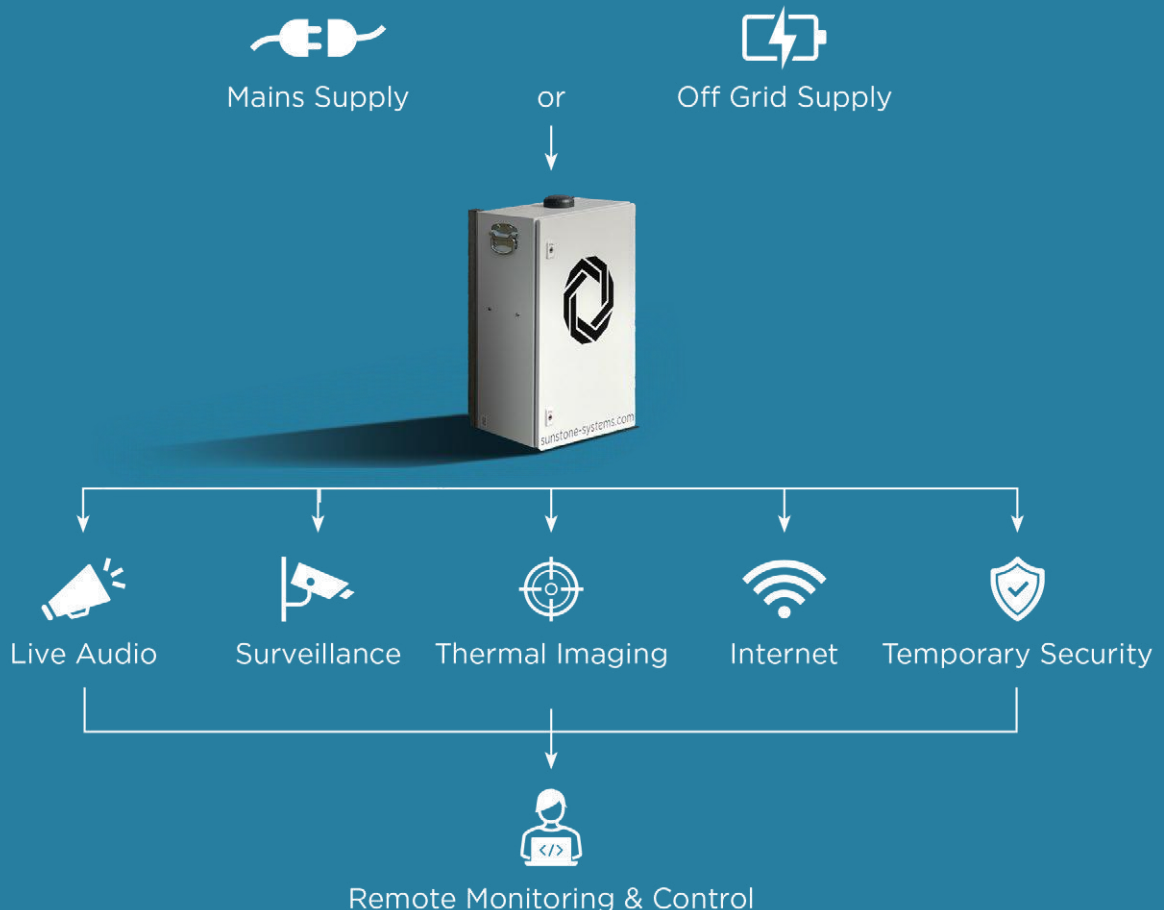
IO SYSTEM IS A RAPIDLY DEPLOYABLE SECURITY AND COMMUNICATION HUB WHICH PROVIDES RELIABLE, COST-EFFECTIVE SITE SECURITY.

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

- Up to 4 HD CCTV bullet cameras
- Integrated smart analytics including intrusion detection and perimeter security
- 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
- Optional PA horn for instant live or pre-recorded audio deterrents



BENEFITS

BENEFITS OF IO

- Scalable, add and link multiple IO boxes on a single site to increase coverage
- Can be powered @110v or 230v
- Can deliver power and connectivity for any camera manufacturer
- Easily 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 IP66 cabinet, tamper alerts and encrypted data
- 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 several 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 learning software 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.



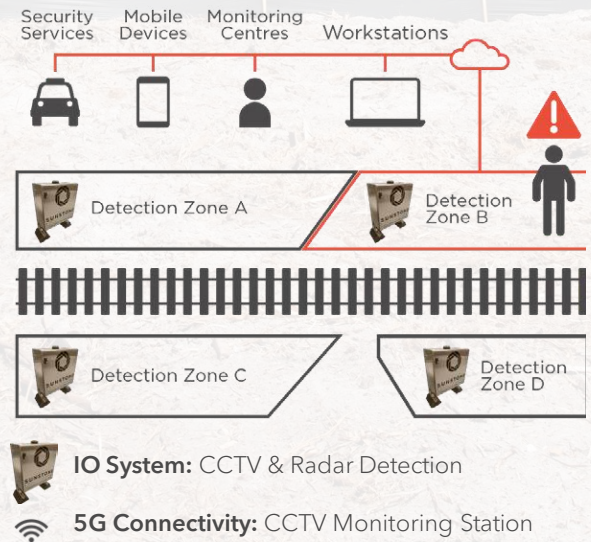
Perimeter Defender delivers physical access controls at the perimeter of your site.



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 constantly 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.



CUSTOM-BUILT SOLUTIONS

OUR PROCESS FOR CUSTOM BUILDING YOUR IO SYSTEM

Ensuring that each IO System is meticulously tailored to the specific needs and operational requirements of our customers is crucial. Through detailed consultations and thorough requirement analysis, we can accurately identify the necessary technologies and system components, avoiding generic, one-size-fits-all solutions. This personalized approach enhances the system's effectiveness and reliability, ensuring seamless integration with existing infrastructure. Additionally, incorporating customer feedback and iterative design adjustments guarantees that the final deployment aligns perfectly with your expectations and security objectives.

- **Initial Consultation:** We begin with a meeting to understand your unique operational requirements, site conditions, and specific security needs.
- **Requirement Analysis:** We discuss and determine the necessary technologies, such as types of cameras (Bullet, PTZ, 180/360 Degree), IoT devices, communication equipment, and any additional sensors.
- **Design and Proposal:** Based on the gathered information, our team will work in partnership to design a tailored IO System solution. We provide a detailed proposal outlining the system components, layout and integration plan.
- **Customer Review and Feedback:** We present the proposal to you for review. Your feedback is crucial, and we make necessary adjustments to ensure the solution meets your expectations.
- **Implementation Planning:** Once the design is finalised, we can support the planning and the deployment schedule, taking into account site-specific challenges and logistics.
- **Optional Deployment and Installation:** Our team of experts can install and configure the IO System, ensuring all components are operational and integrated as planned.
- **Testing and Commissioning:** Post-installation, we thoroughly test the system to verify its performance and reliability. We provide training on system operation and maintenance.
- **Ongoing Support and Maintenance:** After deployment, we can offer continuous support and maintenance services to ensure the system remains effective and up-to-date with any technological advancements or operational changes.



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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