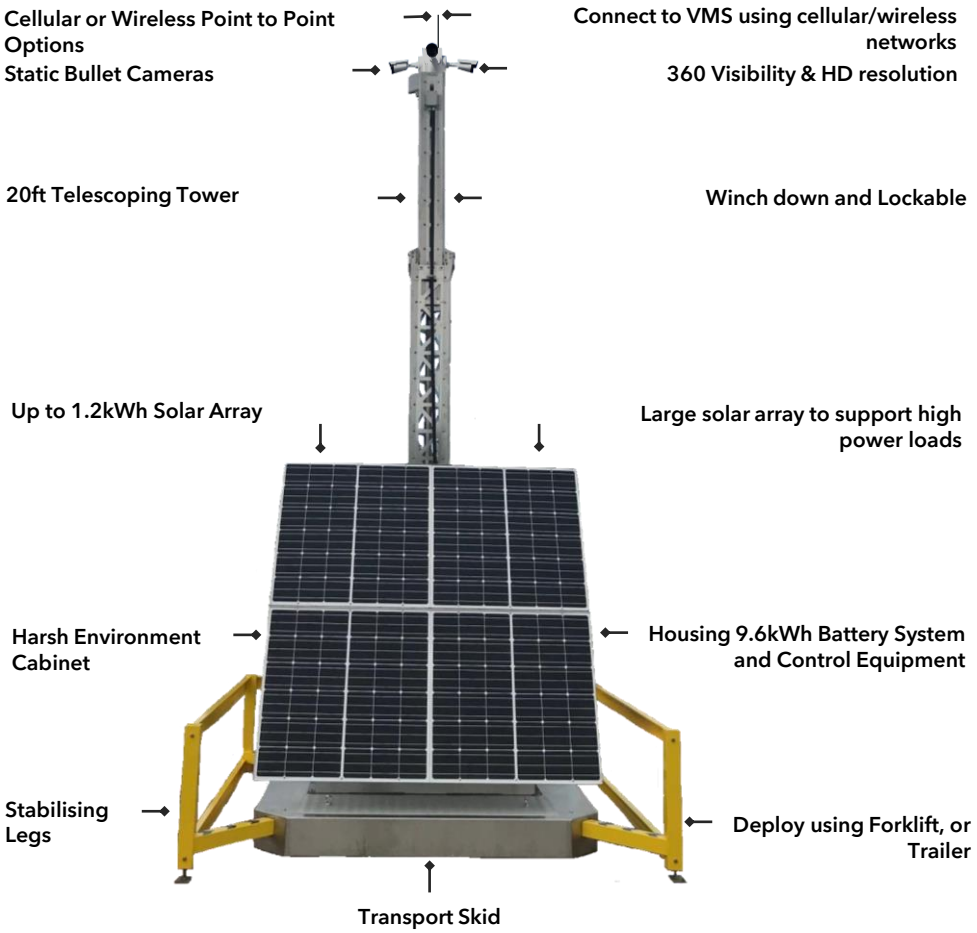
Oil & Gas | Rail | Highways | Construction | Mining | Security

The Solar CCTV System (SICS_Bullet_Camera) is an award-winning, innovative solution designed to provide surveillance and enable data transmission in off-grid locations. It is a ruggedised, semi-portable surveillance and communication system powered entirely by renewable energy that operates in highly corrosive environments and temperatures ranging from -40°C to +80°C.

Key features

- Provides security and communication systems in off-grid locations, meaning remote locations can be secure and connected without the need for hard wired power or data
- A ruggedised solution that supports any camera enabling HD CCTV, thermal imaging and auto-tracking in remote locations
- Reduces civil engineering costs by eliminating the need for significant groundworks to install masts and ducting for power and data cabling
- Self-sustaining on renewable energy, saving in excess of 1000 lb. of CO_2 emissions per unit and per year
- Enables wireless cellular or WIFI networks in areas with no existing data infrastructure
- Built-in battery redundancy system and remote monitoring of battery and power performance status, which enables proactive maintenance
- A robust system made from 316L stainless steel for resistance against the effects of harsh environments. The Solar CCTV System operates in highly corrosive environments and temperatures ranging from- 40°C to +80°C
- The system is proven and approved in the UK for applications on highways, railway, construction projects and securing vacant properties



- Open source and integrates with any 3rd party hardware and software meaning it can be seamlessly integrated into existing security solution or VMS Platform
- Incorporates base with stabilisation legs, thermally insulated cabinet and 20ft telescopic mast

Additional Options

- High-speed and reliable internet connection and site-wide WIFI on site allowing your site to be connected and fully functional on day one of the project

OPERATIONAL CAPABILITY

The SICS (SICS_Bullet_Camera) is a rapid deployment surveillance system, which can be deployed in extreme locations and be connected to your Video Management System in under 1 hour via wireless or cellular networks. Designed to be simple to operate, this system provides advanced security and is powered using clean energy. Our 20ft mast supports the camera sensors and offers 1080p HD resolution, delivering 360-degree visibility up to 130ft using advanced IR, even in complete darkness. In addition, our sensor integrates advanced security analytics, alerts and exclusion zones.

SECURITY SENSORS
- Static HD IP CCTV Bullet Camera x3

UNIT DIMENSIONS
- Transport: H 8ft W 7ft D 7ft
- Deployed: H 20ft W 7ft D 7ft

OPERATING TEMPERATURE
- -40°C to +80°C

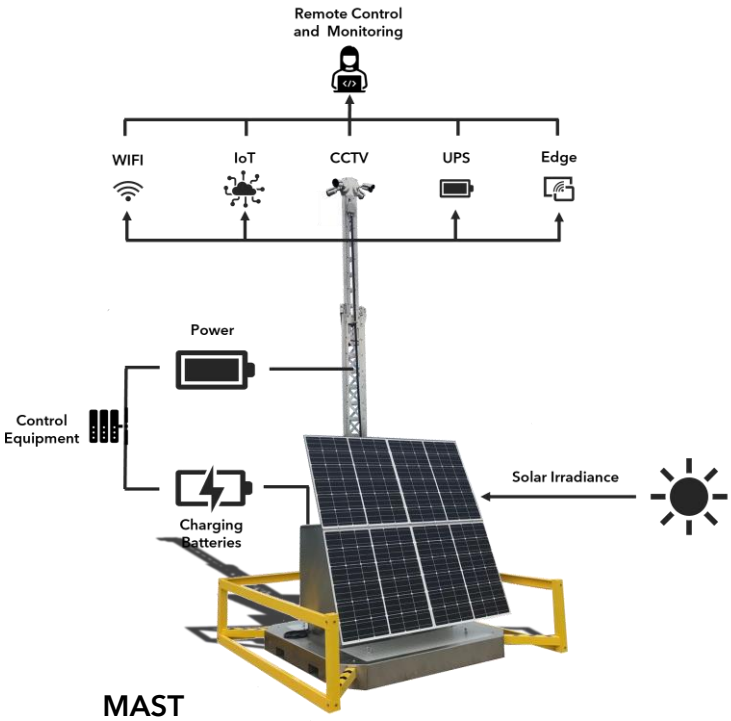
POWER
- 800 – 1.2kWh solar panel array
- Power consumption: 30-35w
- Battery system: 9.6kWh
- Weight: 2204 lb.

ARCTIC CABINET
Material: 316L Stainless Steel, corrosion resistant
Features:
- Dual doors with dust/water seals
- Concealed door hinges
- Integrated foldable solar array bracket

IP RATING
- IP66 rated

SICS SYSTEM SOFTWARE
Features:
- Integrates with any IP CCTV Video Management Software (VMS) via Onvif
- Remote system health status and power performance monitoring

TRANSPORT BASE
Material: 316L Stainless Steel, corrosion resistant
Features:
- Integrated forklift and lifting eyes
- Adjustable stabilising legs



MAST
Material: 316L Stainless Steel, corrosion resistant
Features:
- Anti-wind loading design
- Demountable handle
- Deployed Height: 20ft
- Servicing Height: 8ft

SOLAR PANELS
- High power monocrystalline solar panels - Sunpower E20 Cells
- Optional hydrophobic coatings to prevent build up of sand, dust and dirt for improved efficiency

OTHER
Certifications: EAC Certification, CE Marking & British Standards:
- Eurocode 3 - Design of steel structures, BS EN 1993-3-1:2006 Eurocode 1 - Actions on structures, BS EN 1991-1-4:2005 Eurocode 3 – Design of steel structures, BS EN 1993-3-2;2006

OPTIONAL COMPONENTS AND BESPOKE INTEGRATIONS
- Surveillance Mast heights can be variable between 20ft or 26ft
- Customer specified IP PTZ Camera and Telecommunications Devices (Cellular, Wireless PtP/PtMP and Satellite Connectivity)
- Optional Methanol or Hydrogen Fuel Cell backup for higher loads or locations with poor irradiance

OPTIONAL SERVICES
- Desktop irradiance and solar potential survey
- Bespoke solar platform design
- Co-design and development

NDAA Compliant