

**REVADER®**

# TROJAN

**& TROJAN PLUS**



# TROJAN & TROJAN PLUS

## Our next generation redeployable cameras



### Reliable, versatile & easy to use

Our all new Trojan redeployable camera is a professional, ruggedised CCTV solution which **deters crime, enables successful prosecution** through video evidence and provides surveillance in a highly **cost-effective** manner — **unlike traditional CCTV systems** which incur large infrastructure, human and maintenance costs.

Flexible to your requirements, Trojan cameras are **straightforward to install** in virtually any location and can be **rapidly repositioned** to respond to changing security demands.

The cameras can easily be **remotely controlled and monitored** via a low-bandwidth link, with video saved to on-board edge storage. HD quality video can be downloaded remotely via wired, wireless and mobile networks.

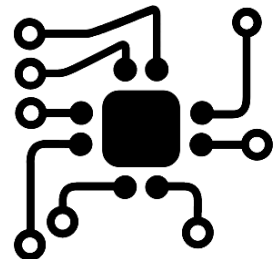
The Trojan also utilises a range of **video analytics** software tools.

### Incorporating the latest in video technology

Each Trojan unit incorporates a **4MP PTZ camera** with **infrared**, a Network Video Recorder (NVR), a router for **dual band WiFi & 3/4G connectivity**, a **2TB** hard drive for over **30 days on-board video recording** with **analytics** and a **1.5 hour failover battery**.

The standard Trojan has one PoE out connector. More demanding applications could benefit from **Trojan Plus**, which combines all of the standard features with **2 x PoE out** connectors, an **audio** connector and a **5TB** hard drive. Both models provide email notification on loss of power.

Both models are available with **5G** connectivity



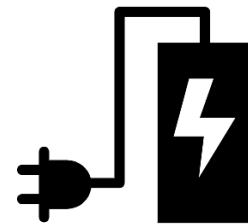
## Engineered for all environments

Constructed from the highest quality durable materials, the Trojan performs highly in even **the most challenging weather conditions** and every unit is tested to rigorous **IP66/IP67** standards before leaving our factory.



## Use with any power source

Trojan cameras are able to operate from virtually any power source, including **battery, mains** and a variety of renewable options, such as **solar panels** and **turbines**. We also produce our own range of rechargeable high energy battery packs.



## Integrate with your existing equipment

The Trojan can act as a standalone redeployable camera or work alongside multiple Trojan or Trojan Plus cameras in a dedicated video network or controlled by individual laptops, tablets or mobile devices.

As standard, both the Trojan and Trojan Plus units will integrate seamlessly with all existing Hikvision or Hanwha systems, and can be configured with a range of other video management software (VMS) platforms on request.



## Camera head options

Trojan and Trojan Plus units are supplied as standard with **4MP PTZ camera heads with integral infrared**. However, alternative camera heads can be accommodated on request, including those for **360 degree** panoramic viewing.



# ONE SOLUTION

# ENDLESS OPPORTUNITIES

## Intruder Detection

Mounted on the Trojan Plus exterior and connected via PoE connector, our **intruder detection receiver** can receive alerts from up to 64 battery powered wireless detectors situated at distances up to 1km. Ideal for perimeter security applications.

Part No. 62180 (Trojan Plus only)



## Public Address

Attached via a separate 8-way connector, our **redeployable microphone & speaker with amplifier** provides pre-recorded messages prompted by alarms or direct commands from a remote observer. Ideal for issuing verbal warnings and announcements in public settings.

Part No. 62170 (Trojan Plus only)



## Remote Power Control

Mounted on the Trojan's exterior and connected via the power input connector, our **power switch** enables users to activate and deactivate the units on command, to conserve failover battery or **PowerPak** consumption for extended use. Ideal for scenarios where there is an absence of external power, or for strategic deployment ahead of pre-determined events, such as protests, festivals, concerts and sporting occasions.

RF—Part No. 62190

Scheduled—Part No. 62193

GSM—Part No. 62196





### Use without power for extended periods

Extend the life of the internal battery with our rapid rechargeable **PowerPak** high energy battery units. Enables autonomous use on timed supplies or daylight saving lampposts. Can provide power for up to 4 days' continuous operation and can be activated or deactivated as scheduled or on command until the PowerPak is fully discharged using our intelligent power switch.

Part Nos. 61502 to 61505

Intelligent Power Switch Part No. 62218



### Intensive coverage with two cameras

Attached to the Trojan via PoE connector, our **redeployable auxiliary camera** provides continuous HD video for live monitoring and recording. Ideal for instances where surveillance is required in two directions simultaneously.

Part No. 62150



### Wide area coverage with multiple cameras

A single Trojan can accommodate up to six additional PTZ **redeployable Wi-Fi cameras**, each operating at distances of up to 0.3km line of sight, providing continuous HD video transmission for recording and live monitoring. Two Wi-Fi cameras can operate directly or up to six via Trojan Access Point. Ideal when surveillance is required in multiple positions and directions over an extended area, such as motorway junctions, sports arenas and at large public events.

Part No. 62160

# SPECIFICATION

## Mechanical

**Chassis** Plastic & Stainless Steel  
**Surface** Powdercoat Grey  
**Connectivity** IP68 circular connectors:

Power in, Power over Ethernet (PoE) out (2 x PoE out\*), Audio out\*, GSM/3G/4G, WiFi antenna  
**Dimensions** 470mm x 168mm Diameter  
**Weight** 6.0Kg (Plus 6.7Kg)  
**Durability** Vandal-resistant IP66  
**Operating temperature** -20°C to 55°C

## Electrical

**Input voltage** 12-24V DC  
**Input protection** Short circuit & overcurrent protection  
**Typical Power** 24W + Connected Devices  
**PSU rating** 120W - Part No. 61652  
**Internal battery** 1.5 hours (without accessories)  
**Loss of Power** Email notification

## Camera & Lens

**Camera Type** Ruggedised PTZ  
**Min. Illumination** 0.005Lux Colour. F1.6 AGC ON  
 0.001 Black and white.F1.6 AGC ON  
**Lens** F=4.8 to 120mm (F1.6~F3.5)  
**Resolution** 2560(H) x 1440(V)  
**Coverage** 360°Endless PTZ  
**Zoom** 25 x optical 16 x digital  
**PTZ Devices** Full 3-axis control  
**Day and Night** Removable IR-cut filter for day & night  
 Intelligent IR range of 50 meters

## Connectivity

**Mobile Network** 4G LTE, 3G HSUPA, 3G HSDPA, 3G UMTS, GPRS. Or 5G option  
 Two SIM slots  
**Wi-Fi** 802.11b/g 2.4GHz & 5GHz Wi-Fi WEP/WPA/WPA2 Encryption  
**Supported Protocols** IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnp, RTP/RTSP/RTCP,SMTP,FTP,DHCP,NTP, DNS, ARP, IGMP, PPPoE, CoS, QoS  
**PoE** Proprietary 48V DC 15W max  
**SIM Card** Fixed Public IP Address; User Arranged

## Security

**Password profile** Multi protection levels  
**Diagnostics** Remote, secure diagnostics and repair functionality are available  
**Remote Administration** Remote control via TCP/IP network including restart and reboot  
**Automatic System Restart** After power loss, system auto-resumes

## Recording System

**Video Resolution** Multiple choice up to 2560 x 1440  
**Operating System** Embedded  
**Still Image** JPEG  
**Record types** Continuous, schedule, motion, alarm, event and input trigger

## Overwrite modes

Configurable auto deletion and overwrite function, by time or drive allocation  
 Motion, video loss  
 Regional settings, NTP

**Detection** H.264 H.265 H.265+  
**Time zone** Variable 1 - 25 fps, 64kbps-16Mbps  
**Compression** 352 x 240 from 64Kbps (min)  
**Data/frame rate** 2560 x1440 to 16Mbps (max)  
**Min video format**  
**Max video format**

## Video Management Software (VMS)

Hikvision as standard. For other VMS platforms see Trojan-Han range. Fully supported by most control room VMS platforms

## Storage

**Hard Disk** 1 x 2.5" Form Factor Platter 2TB (5TB - option)

## Analytics

A range of analytical tools such as privacy masking, line crossing, region entrance and exit, unattended baggage and object removal detection, etc.

## SIM Cards

"Fixed Public IP Address" Revader can provide SIM and Data packages or offer a complementary service to insert new or replacement SIM cards provided by the customer.

\* Denotes **Trojan Plus** attributes

		4G	5G
<b>TROJAN</b>	<b>Part No.</b>	<b>62110</b>	<b>62112</b>
<b>TROJAN PLUS</b>	<b>Part No.</b>	<b>62121</b>	<b>62113</b>

All Trojans are supplied with PSU 61652

# TYPICAL APPLICATIONS



**PERIMETER INTRUDER DETECTION**



**CROSSROAD SURVEILLANCE**



**CROWD CONTROL (NO POWER)**



**REMOTE LOCATIONS (NO POWER)**



**CONSTRUCTION SITES**



**PUBLIC SPACE SURVEILLANCE**

E&OE