

Transit PTZ

The Transit PTZ is a rugged, compact, professional CCTV solution which has been proven to deter crime, secure prosecutions through video evidence and provide surveillance in a highly cost-effective manner, unmatched by traditional CCTV systems which incur large infrastructure, human and maintenance costs.

Flexible to your requirements, the Transit PTZ is straightforward to install in virtually any location, and can be rapidly repositioned to respond to changing security demands. Video footage is saved to onboard edge storage, can be controlled and monitored via a low-bandwidth link, and downloaded remotely in HD quality via wired, wireless and mobile networks.

Transit PTZ units are able to operate from mains, battery and a variety of renewable sources and are IP66 or IP67 rated. All Transit units have an internal failover battery and the range covers a number of options including 2-way audio, 8 I/Os, POE out for a secondary camera and alternative transmitting frequencies and methods. The products are able to operate on a standalone basis or can be networked together and controlled from any number of remote locations. They also perform highly when integrated into existing CCTV systems and interface with a range of software platforms.



Typical Applications:

- ▶ Open space crime hotspots (e.g. housing estates, city centres)
- ▶ Fly tipping to record and transmit on activation
- ▶ Parks and cemeteries
- ▶ Industrial processes & construction sites
- ▶ Major events (e.g. festivals, concerts & public gatherings)
- ▶ Counter-terrorism operations
- ▶ Schools & universities
- ▶ Any high risk or extreme weather environment
- ▶ Military installations and forward operating bases

Benefits include:

- ▶ Rapid installation at short notice for immediate security risks
- ▶ Cost effective: saves manpower & unnecessary overheads
- ▶ Reduces unnecessary visits – footage can be monitored and retrieved remotely in HD quality
- ▶ Integrated IR for day and night operation
- ▶ Use in any environment from desert to tundra
- ▶ Anti-tamper: internal battery included as standard
- ▶ Integrates into legacy systems

Technical Specification

Mechanical

Chassis	Aluminum Alloy
Surface	2-pack polyurethane paint—light/dark grey
Connectivity	Water and dust resistant IP68, circular connectors: Power in, 12 way – I/O, microphone and 12V power out, 4 way- speaker out. Aerials for GSM/4G/3G Main*, & Wi-Fi*.
Dimensions	470mm x 168mm Diameter
Fixing Dimensions	2 x 6mm holes @ 110mm pitch
Weight	5.8kgs
Durability	Vandal-resistant IP67
Working Temperature	-30°C to 60°C

Electrical

Input voltage	12 -18 VDC
Input protection	Short circuit & overcurrent protection
Typical Power	15.5W Day 22.2W Night (IR On) + Connected Devices
Power Supply rating	100W
Internal backup battery	Up to 8 hours

Camera & Lens

Camera Type	Ruggedised PTZ
Min. Illumination	0.5Lux Colour 0 Lux IR ON /Black and white.
Lens	f=5.0 to 50mm (F1.6~F2.8)
Resolution	1980 x 1080 HD
Coverage	360°Endless PTZ
Zoom	20x optical
PTZ Devices	Full 3-axis control, via software, joystick or keyboard
Day and Night	Removable IR-cut filter for day & night Intelligent IR range of 50 meters

Customisation

Power availability	500mA at 12V supply available for external peripherals
PIR & wireless detectors	Supported

Connectivity

Type	Dual stream (variable bitrates to suit connectivity)* Gigabit Ethernet**
Mobile Network	4G LTE, 3G HSUPA, 3G HSDPA, 3G UMTS, GPRS.
Wi-Fi	802.11b/g 2.4GHz Wi-Fi (100m*) 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

Audio

Input Channels	1
Output Channels	1
Recording Format	G.711 (8K samples per sec)
Sampling Rate	16kHz or 8kHz
Features	Lip-synchronised playback and live functionality for bi-directional video/audio. Clear Message - can be triggered to issue a warning or information message
Transmission	2-way low lag audio over IP facility. Can function as help point when used with alarm boards.
Loudspeaker	Optional 30W PA deterrent system

Security

Encryption	Up to 4096 bit encryption on all drives internal or external – software dependent.
Password profile	Multi protection levels
Cameras/Displays	Accessible on a per-user basis
Configuration Files	Save and restore capability for any server
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 1920 x 1080
Operating System	Embedded Linux platform
Still Image	JPEG/BMP/PNG
Record types	Continuous, schedule, motion, alarm, event and digital input trigger
Overwrite modes	Configurable auto deletion and overwrite function, by time or drive allocation
Detection	Motion, video loss
Languages	English and over 10 other supported international languages
Time zone	Regional settings, NTP
Compression	H.264
Data/frame rate	1 - 25 fps,32kbps-8Mbps, Rate full HD- 25 fps
Min video format	QCIF (176x144) from 32Kbps (min)
Max video format	HD (1920x1080) to 8Mbps (max)
Audio	G.711

Video Management Client

Fully supports the major VMS platforms - for control room integration

Systems Modules

Alarms	Logging, notification and viewing associated video. 6 multi-functional inputs from multi-zone mast-mounted PIRs with 'Creep Zone' and 4 configurable outputs
Maps	Multi-level maps showing camera alarms, speakers, microphones, etc.
Find	Fast search/find algorithm
Storage	
Hard Disk	1 x 2.5" Form Factor Platter as standard or Solid State Drive SATA II - any capacity
Storage size	2TB Fitted as STD – but will take any capacity HDD available. For mass evidence collection (other options available)

Accessories

A range of accessories are available for all Revader products.

Please contact us to discuss options available to suit your particular application.



Enhanced connectivity: A SIM card is used to transmit data from remote locations to any web-enabled PC

We can undertake bespoke modifications to our standard products to suit customer requirements—please enquire.