



Connex Re-deployable CCTV systems

The **Connex** Redeployable CCTV systems offer a range of innovative solutions to problems faced by organisations needing to manage crime, anti-social behaviour or deploying CCTV solutions in remote or difficult locations.

Rapid deployment

When CCTV is needed at a site without any existing infrastructure Connex Redeployable systems simplify deployment by easily mounting to a wall, a corner, or an existing pole such as a street lamp. As a self-contained unit requiring just a mounting surface and a single power feed, installation is greatly simplified and any need for time consuming and expensive civil works eliminated. With integrated Wireless Point-to-Point or Point-to-Multipoint support the Connex Redeployable systems can quickly and cost effectively be connected back to an existing control room NVR.

Re-deployable CCTV

Often when CCTV is installed at a location experiencing crime or anti-social behaviour within a short period of time the problem simply moves elsewhere. Redeployable systems help to manage this as they can very cost effectively be re-located.



Standalone CCTV

For locations out of range for wireless connectivity the Redeployable systems can be fitted with an internal NVR platform complete with 500GB of storage. In addition the Redeployable systems offer a 3G/4G option whereby real-time footage can be streamed over 3G/4G at lower resolutions to any device, whilst simultaneously recording HD footage internally on the Redeployable system. Optional Wi-Fi hotspot support is also available so that the NVR can easily be accessed from the ground.

Connex Redeployable systems support up to 3 x HD fixed cameras offering near 360 degree coverage of a site. With its internal storage capabilities this means that it can provide an effective and highly cost effective unmanned standalone CCTV solution.

Features

- Support for a wide a range of IP & analogue cameras
- Wireless Point-to-Point & Point-to-Multipoint support
- Up to 3 x HD Camera for near 360 degree continuous recording
- Internal NVR option
- 3G Streaming
- Wi-Fi hotspot support
- IP 66 rating

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Specifications

Camera Models and Manufactures Supported

Type	Fixed and Pan,Tilt,Zoom (PTZ) Camera supported.
Analogue / IP	Network IP or Analogue Cameras supported.
Camera Head	Single or Multiple Cameras supported
Support for a range of Camera Manufactures	360 Vision, Bosch, Pelco, RedVision, Samsung, Panasonic, HikVision, Axis plus others

The following specifications will apply (Subject to choice of Camera type and Manufacturer)

Camera

Zoom	Optical (18x, 23x, 36x) ; Digital (12x)
Day/Night	Colour / mono
Resolution	Analogue (PAL/NTSC); IP 720p, 1080p25/30 up to Mega Pixel (up to 5MP)
Signal Noise Ratio	>50 dB
Picture	Freeze / Flip
Focus	Auto / Manual
PTZ / Fixed	0.1 ~ 120 degree 360 Continuous rotation, absolute positioning
SD Card Interface	Micro SDXC (up to 64Gbytes) (SD Card not included)

Video Resolutions

No. of Data streams	2 to 4 Individually configurable ; Web View (JPEG Stream)
Data Bit Rates	User selectable (9.6 Kbps to 10 Mbps)
Compression	H264 (ISO/IEC 14496-10) ; MPEG4 ; JPEG (Web Browse)
Standards	SMPTE 274M-2008 (1080i) ; 296M-2001 (720p)
HD Resolutions	1080p (1920 x 1080) ; 720p (1280 x 720)
SD Resolutions	432p (768 x 432); 288p (512 x 288); 144p (256 x 144) ; D1; 625 (PAL) ; 525 (NTSC)

Audio Resolutions

Streaming	Bidirectional Full or Half duplex
Compression	G.711 , AAC

Telemetry

Analogue PTZ Control	Pelco D/P
Serial Ports	RS232 ; RS422 & RS485 2 or 4 wire

Protocols

TCP/IP, UDP/IP (unicast, multicast IGMP), UPnP, DNS, DHCP, RTP, NTP	
ONVIF Conformance	EN-50132-5-2

Wireless

Bandwidth	PTP /PTMP Backhaul : 8/50/300 Mbps throughput
Communication Distance	Short to Long range (up to 60 km with high-gain external antenna)
Radio technology	MIMO 2x2 with OFDM 64/128
Modulation types	BPSK 1/2 to QAM64 5/6
Transmit power	Up to 23 dBm (4.9-6.0 GHz)
Receiver sensitivity	-67..-97 dBm

Housing Specifications

Ingress Protection	IP66
Physical Size	220mm x 300mm x 210mm
nput Power	30VA (Typically 100VA with Camera Heater)
Mains	110-240 VAC @ 50/60 Hz
Weight	3.5Kg
Operating Temperature	-10°C ~ +50°C
Port Connection	1 x RJ45 Fast Ethernet (10/100 Base-T) (Auto MDI/MDI-X) IEEE 802.3 Compliant 1 x RJ45 Fast Ethernet (10/100 Base-T) (Auto MDI/MDI-X) with POE (12/24/48vdc) 802.3af (Class 0) (up to 13watts)

Mounting options

Wall, Corner, Pole, Custom

Certifications and Regulations

Product Safety	Complies with CE regulations, UL, CSA, EN and IEC Standards EN60950-1
Electromagnetic Compatibility (EMC)	Complies with FCC Part15, ICES-003, and CE regulations, including EN50130-4, EN55022 Class A, EN61000-3-3, EN61000-6-1, EN61000-6-2 and EN50121-4
RoHS Compliant	
