

The WCCTV 4G HD Speed Dome

Wireless CCTV (WCCTV) is a market leading provider of rapidly deployable, portable CCTV and surveillance systems. The systems operate over wireless technologies including 4G, 3G and other mobile technology as well as satellite, Wi-Fi and broadband networks.

Live and recorded video images can be viewed from a dedicated monitoring station, laptop, iPhone, iPad or android device.

The WCCTV 4G HD Speed Dome

WCCTV's 4G HD Speed Dome is a redeployable CCTV system that delivers live streaming high definition video (up to 1080p) at speeds of up to 25 frames per second on a 4G connection.

Its low bandwidth streaming allows users to benefit from high quality live video over wireless networks with zero latency and full PTZ responsiveness. Users have flexibility and control over how the system streams and records footage. The resolution of both the live and recorded footage can be independently configured.

This allows, for example, a user to stream at a lower resolution to improve live frame rates whilst still recording the same images at the highest available resolution to the device's integral hard drive. Users can also switch between H.264 or MJPEG images on both the live and recorded footage, dependent on requirement, to allow for smoother PTZ control and increased frame rates.

The 4G HD Speed Dome features a market-leading 2MP PTZ camera with 360° movement, 20x optical and 16x digital zoom, infrared capability (up to 50m) and ultra-low light capability (Colour: 0.005 lux, B/W: 0.01 lux).

The system also contains in-built video analytics functionality, allowing for greater detection, visual verification and email alarms of potential intrusions, traffic congestion or violations.

The unit features additional channel outputs, allowing the integration of secondary cameras such as static or NPR cameras, or the addition of WCCTV's voice-off alarm.

Transmission Methods

Every WCCTV dome product contains 4G technology (with automatic fall-back to 3G) plus an additional transmission medium to maximise flexibility and portability. This unique approach provides the ability to transmit fluid, high-resolution images wirelessly without geographical restrictions, making WCCTV equipment ideal for both long and short term, overt and covert operations.

Each WCCTV system has an IP address allowing it to utilise broadband technology. The Dome can also be operated on private networks as a LAN-only solution.

Installation

The WCCTV 4G HD Dome weighs 4 kgs (including bracket) and can be attached to the side of a building, but is more commonly fastened to a column or lamppost. The unit can be powered using 110 - 240 Volt AC from the mains supply, or 12 Volt DC. The units can be installed within 20 minutes and redeployed easily.



Features & Benefits

- Dual HD Streaming (H.264 & MJPEG)
- 50m IR capability
- Complete, lightweight integrated unit
- Portable and rapidly deployable
- Built-in analytics functionality
- Remote control with full pan, tilt & zoom functionality
- 360° field of vision
- Remote control with full pan, tilt & zoom functionality
- Remote access to live and digital footage
- 4G LTE, 3G, GPRS, Wi-Fi, and IP connectivity

Possible Applications

- Crime and disorder hotspots
- Anti-social behavior
- Traffic monitoring
- Temporary monitoring - events, road works
- Town center applications (Wi-Fi)
- Information gathering

General	Dimensions (HxWxD)	355mm x 190mm x 180mm
	Operating Temperature Range	-50 to +50°C
	Power	100-240 Volt input (mains powered) or 12 Volt DC (battery powered)
	Power Consumption	3A (mains powered) 5A (battery powered)
	Weight	3 KG
Video	Video Inputs	2
	Operation	Simultaneous live, record, playback, remote access
	Optical / Digital Zoom	20x / 16x
	Resolution of Camera	Up to 1080p
	Maximum PPS	25
	Recording	Proprietary narrowband algorithm
	MutiMode (Recording Algorithms)	Dynamically changes record rates and compression settings for the camera
	Snapshot Video Clip	Yes
	Video Motion Search	Yes
	Archive Protection	Yes - protect against overwrite
	Wireless Communication	Supported via suitable interface - GSM, GPRS, UMTS, HSDPA, HSDPA, HSCSD, CDMA, 3G, 4G LTE
	Storage	Internal Capacity
HDD Types		Removable SATA hard disk drive
Export		4G/ network / optional removable SATA hard disk drive
Alarms	Alarms	2 camera control, 1 alarm, 1 arming / disarming and 2 auxiliary inputs
	Alarm Function Support	Alarm log, event search, pre-event recording
	Alarm Reporting	Yes - to a remote site via email
	Display Alarm on PC Monitor	Yes or Network / 4G
	Relays	2 relays - system error and/or remote control purposes
	Video Motion Detection	Yes
Networking	Remote PC Client	Client Software Free Download
	Remote Web Browser Client	Viewing
	Password Protected	Yes
	Remote Smartphone (iPhone) Compatible	
	Remote Tablet (iPad) Compatible	
	Software Upgrade	Internet / 4G / back to back PC
	Warranty	12 months warranty with options for extended warranty

For further details on The WCCTV 4G HD Speed Dome please contact our sales offices:-

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