

# The WCCTV 4G HD Eco Dome

Wireless CCTV (WCCTV) is the UK's 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 Eco Dome

The WCCTV 4G HD Eco Dome is an autonomously powered rapid deployment CCTV system for monitoring and surveillance applications at off-grid and remote locations where power and mounting infrastructure are not available.

The Eco Dome is powered by an ultra-slim, high-performance solar panel with full battery back up capability to ensure year-round performance in practically any location.

The solution is comprised of a WCCTV 4G IR Speed Dome or 4G HD Speed Dome with a 6m high tilt down column for mounting the camera, a market-leading solar panel and a long-life integral battery built into the column.

The system is designed for 365 days a year operation, with the battery back up capable of providing up to 15 days of continuous performance even in zero sunlight.

WCCTV's Speed Domes are specifically designed to deliver high definition video via 4G and wireless networks, and WCCTV's low-bandwidth technology allows users to benefit from live HD quality video (up to 1080p) over wireless networks at speeds up to 25 frames per second with zero latency and full PTZ responsiveness.

WCCTV's Speed Domes combine a market-leading infrared PTZ camera with auto-tracking capability, a solid state hard drive (up to 4TB) and wireless transmission technology into a single, portable and easy to install unit.

The system also contains inbuilt video analytics, delivering greater detection, visual verification and email alarms of events such as loitering, fly-tipping, traffic violations, traffic congestion and more.

The unit also features additional channel outputs, enabling the integration of secondary cameras such as static or NPR cameras, and the addition of a WCCTV Smart Switch which allows a user to perform remote power cycles to correct any issues with the system without the need for site visits.

## 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.



## Features & Benefits

- Complete surveillance solution
- Solar-powered redeployable CCTV
- 15 day battery back up
- 50m IR capability
- Built-in analytics functionality
- Built in auto-tracking
- Remote control with full pan, tilt & zoom functionality
- Remote access to live and digital footage
- 4G LTE, 3G, GPRS, Wi-Fi, and IP connectivity
- Add up to 3 additional cameras

## Possible Applications

- Crime and disorder hotspots
- Anti-social behavior
- Traffic monitoring
- Temporary monitoring - events, road works
- Fly-tipping
- Temporary public events (sports, music)

General	Dimensions (HxWxD)	Camera 355mm x 190mm x 180mm / Solar Pannel 798mm x 1580mm x 35mm / Cabinet Pole options on request
	Operating Temperature Range	-50 to +50°C
	Power	100-240 Volt input (mains powered) or 12 Volt DC (battery powered)
	Power Consumption	13 Watts (IR off)
Video	Weight	Camera 5kg / Solar Pannel 15 KG / Cabinet Pole on request
	Video Inputs	4
	Operation	Simultaneous live, record, playback, remote access
	Optical / Digital Zoom	20x / 16x
	Resolution of Camera	Up to 1080p, 720p, 480p, D1, 4CIF, 2CIF
	Maximum FPS	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, HSCSD, CDMA, 3G, 4G LTE
	Storage	Internal Capacity
HDD Types		Removable SSD hard disk drive
Export		4G/ network / optional removable SSD 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	
	Remote Smartphone (iPhone) Compatible	Yes
	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 Eco Dome please contact our sales offices:-**

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