WIRELESS CCTV

Roads and Highways Video Surveillance

www.wcctv.com
WCCTV is a specialist manufacturer and supplier of mobile video surveillance solutions that assist highways management organizations in delivering live and recorded video for a range of applications.

WCCTV’s rapid deployment pole cameras provide high definition video of key junctions and road ways for management of traffic flow and congestion to allow companies to make strategic decisions to improve road conditions.

WCCTV’s pole cameras are specifically designed to utilize 4G LTE for video transmission. They are easy to install, are cost-effective and offer the convenience of a fix-power-walk away set up. Should your monitoring requirements change, WCCTV’s portable pole cameras can be rapidly relocated.

**WCCTV Rapid Deployment Pole Cameras**

WCCTV’s rapid deployment pole cameras are a range of all-in-one surveillance solutions that integrate wireless transmission, a local recording device (up to 4TB) and an industry leading pan, tilt and zoom camera into a compact, portable and lightweight unit.

The systems facilitate the transmission of live and recorded video via wireless networks including 4G LTE, 3G and Wi-Fi connectivity, allowing users to remotely access evidential quality images via mobile viewing devices (smartphone, tablet, laptop and PC) or via an existing video management system.

The systems are ideal for public space surveillance, as well as rapid deployment to off-grid locations lacking in fixed infrastructure.

**Physical Benefits**

- Specifically designed for rapid deployment
- All-in-one lightweight design (9lbs)
- Low power usage
- Environmentally tested for high and low temperature deployments
- Fix-power-walk away
- Full remote configuration via 4G
- Easy to install and easy to support
- No geographical restrictions
- Multiple powering options: mains (110-240v ac 12v ac-dc), battery pack, solar pannel or solar trailer

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WCCTV Mini Dome Solar Trailer

The WCCTV Mini Dome Solar Trailer is an autonomously-powered rapid deployment mobile video surveillance system that can be installed at practically any location, providing security for remote sites, short-term events or off-grid locations on a temporary or permanent basis.

It takes just minutes to install the WCCTV Mini Dome Solar Trailer at your locations, so you can be assured of rapid protection, and it can easily be moved to new locations as your sites develop or applications change. It is an ideal surveillance solution for locations without any fixed infrastructure for power or video transmission.

The trailer is fitted with up to 4 of WCCTV’s 4G Mini Dome pole cameras that have been specifically designed to deliver live and recorded video securely and efficiently via 4G LTE networks.

The trailer features a telescoping 20ft tower which rotates nearly 360 degrees, and is equipped with highly reliable 260W, 390W or 520W autonomous solar power which is suitable for most locations.

The system weighs less than 1400 lbs, making it towable by most vehicles, and its removable drawbar makes it easy to ship and provides added theft protection. Its 12VDC AGM batteries (up to 800 Ah total capacity) are housed in secure, tamper-resistant box.

Features and Benefits

- All-in-one rapid deployment mobile surveillance trailer
- Compact and easy to transport
- High definition video (up to 1080p)
- 4G LTE, 3G, Wi-Fi and IP connectivity
- 20-foot tower - rotates nearly 360 degrees
- Silent operation
- Year-round autonomy
- Environmentally Tested
- Fix -Power-Walk Away
- Fully operational within 20 minutes
- Full remote configuration
- Easy to support
- Multiple remote connectivity options
- No geographical restrictions
- Time Lapse Video ready
WCCTV 4G HD Mini Dome

WCCTV’s 4G HD Mini Dome is a rapid deployment pole camera specifically designed for mobile video surveillance applications.

The 4G HD Mini Dome combines a PTZ camera, local recording capacity (up to 4TB) and wireless transmission technology into a compact and lightweight unit that is easy to install, easy to maintain, and can be moved to new locations should your surveillance applications change.

Users are able to access live and recorded footage via wireless networks including 4G LTE, 3G and Wi-Fi connectivity, allowing users to remotely view and download the video via mobile devices (smartphone, tablet, laptop or PC) or via an existing video management system.

The 4G HD Mini Dome’s 3MP PTZ camera features 360° movement, 20x optical and 16x digital zoom, and day/night capability.

The system contains inbuilt video analytics functionality to provide visual verification and email alerts of a range intelligent surveillance events such as intrusion detection, crowd management, traffic violations and more.

The WCCTV 4G HD Mini Dome features three additional channel outputs, allowing the addition of secondary cameras such as LPR cameras, secondary PTZ cameras or static cameras for Time Lapse Video applications. These cameras are able to share all of the features of the 4G HD Mini Dome.

The additional channel outputs also allow the addition of unique accessories such as the WCCTV First Responder which allows the broadcast of audio challenges and the WCCTV Smart Switch which allows remote power cycling of the 4G HD Mini Dome.

Technical Features

- High definition video (up to 1080p)
- 4G LTE, 3G, Wi-Fi and IP connectivity
- 3MP day/night camera (0.005 lux, B/W: 0.01 lux)
- Inbuilt video analytics for intelligent surveillance
- Remote access to footage via smartphone, tablet, laptop or PC
- High-speed live streaming - up to 25 FPS
- ONVIF compatible
- 3 additional outputs - add an LPR camera and multiple accessories to create bespoke video surveillance solutions
- Time Lapse Video ready
- Integrates with most video management platforms
- Dual streaming live video (H.264 & MJPEG)
- Remote power cycle option
WCCTV 4G Mini Dome + LPR

WCCTV’s combined LPR and rapid deployment pole camera system utilizes the additional output channels of a WCCTV 4G HD Mini Dome to integrate a specialized High Definition License Plate Recognition Camera.

This unique all-in-one rapid-deployment mobile surveillance system combines all the benefits of WCCTV’s Mini Dome pole camera range with advanced LPR technology.

The system harnesses the wireless transmission (4G LTE, 3G or Wi-Fi), local recording (up to 4TB) and 360° PTZ field of vision of the WCCTV 4G Mini Dome to provide a complete situational overview.

At the same time the LPR camera delivers crystal-clear images of license plates in all weather and lighting conditions, improving evidential effectiveness.

The WCCTV Mini Dome + LPR is ideal for security and project management applications, including data collection along highways, bridges, tunnels, key road junctions, entrances to buildings or other critical infrastructure. It is also an ideal crime fighting tool against illegal dumping and traffic or parking violations.

The camera can read license plates day and night, in any weather condition on vehicles travelling up to 130mph.

Features and Benefits

- Pole camera and LPR combined solution
- High accuracy license plate recognition
- Day/night operation
- Any weather conditions
- Total situational overview
- Rapidly deployable, easy to install
- Totally portable
- High definition images
- Built-in self-testing diagnostics
- Remote access to evidential, removable, digital recording (Mini Dome)
- Remote control with full 360° pan, tilt & zoom functionality (Mini Dome)
- Up to 4TB internal storage
- Environmentally tested IP65 rated
Case Study: East Hampton PD

East Hampton PD had the challenge of balancing video surveillance coverage of main thoroughfares of local towns whilst providing high-quality video monitoring for tackling and reducing crime, anti-social behavior and traffic management.

They required a rapid deployment and portable surveillance solution that could provide 24/7 coverage of traffic passing through the town. It was an essential requirement that the specified solution would need minimal infrastructure for video transmission and installation.

To meet these requirements, WCCTV provided East Hampton PD with its WCCTV 4G Mini Dome + LPR.

This combined solution utilizes the additional output channels of either a WCCTV 4G HD Mini Dome or WCCTV 4G IR Mini Dome to integrate a specialised High Definition License Plate Recognition camera.

The ability to stream wirelessly helped reduce man-hours from operations by providing East Hampton PD remote access to live and recorded footage. The Mini Dome’s redeployable capability is also a bonus for East Hampton PD, as they are able to move the video surveillance cameras to new locations on a seasonal basis.

“WCCTV’s Mini Dome with LPR is fundamental in providing continuous coverage of traffic passing through local towns with the LPR capturing clear and consistent images in all weather conditions. The ability to review live or recorded footage remotely is imperative for streaming wirelessly without any additional framework.”

To find out more about any WCCTV products & services or to arrange a live demonstration please contact our office: