

Local Authorities: Birmingham City Council



The Challenge

Birmingham City Council, like many other councils across the country, have encountered major issues with flytipping and illegal waste dumping.

Reports indicated that the impact of environmental crime throughout the West Midlands had cost the council over £1.5m in clean-up operations between 2013 and 2015.

The stats revealed that, in Birmingham, more than 44,000 fly-tipping reports were made over the period in question.

Many of the offences occurred in 'hot-spot' areas, locations frequently targeted by offenders where there was little coverage from CCTV.

The council sought a surveillance system that they could deploy on a temporary basis in hot spot areas as the problems developed.

The cameras, as well as being a visual deterrent to potential offenders, would need to provide images of a high enough standard to secure prosecutions where applicable.



WIRELESS CCTV CASE STUDY

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The Solution

Since August 2015, the Council's Waste Enforcement Unit had been investigating flytipping on Priory Road in Aston.

They deployed a WCCTV HD Speed Dome with an NPR Camera fitted to the dome's second output channel.

The HD Speed Dome can provide images up to 1080p, ensuring the images of offenders were above evidential standard, while the NPR camera is able to secure the licence plate details of any offenders in even low light and poor weather conditions.

As with all WCCTV's surveillance solutions, the WCCTV Speed Dome is easily redeployable, allowing it to be moved from site to site when required.

The Result

Between August 2015 and October 2015, the cameras recorded video and photographic evidence 15 flytipping offenses by 3 separate, but related, vehicles.

The waste dumped included building rubble, heating pipes, mattresses, bed bases, furniture and even rotting sheep carcasses.

The offenders were identified, arrested and their vehicles seized as a result of the investigation.

The defendants pleaded guilty to all offenses and were sentenced to 11 and 6 months prison time respectively.

The WCCTV HD Speed Dome

WCCTV's 4G HD Speed Dome delivers live video up to at high speed over mobile networks. Its unique low bandwidth streaming allows users to receive live images up to 1080p at 25 fp/s, with zero lagging and full PTZ responsiveness.

Live streaming images can be set to either HD or SD, whilst recordings to the hard drive can be set independently to either HD or SD. This allows you to stream in low definition but still receive HD video from the system's hard drive if required.

Users can switch between h.264 and MJPEG streaming images, allowing the low bandwidth streaming of live high definition images. This significantly reduces latency, and allows seamless PTZ response.



Features & Benefits of the WCCTV HD Speed Dome

- Dual streaming live video (H.264 & MJPEG)
- Highly scalable - record in HD, stream in SD
- Low bandwidth usage
- High speed HD images - fast frame rates up to 25 fps
- ONVIF compatible
- High definition images (up to 1080p) delivered over mobile networks
- 3MP day/night camera
- Easy to install
- Rapidly redeployable
- Second channel output
- UK manufactured

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