BT

HD Minicam

**Surveillance solutions:
Mobile solutions**

Rapid deployment camera and wireless transmission unit

The HD Minicam is a highly portable wireless CCTV camera designed for rapid deployment. You can install it quickly and easily wherever there's a power source (on lamp posts, traffic lights, and any other street furniture with a power supply). It's ideal for covering major public events, music festivals, and large-scale sports fixtures. It can help you manage short-term disruptive events like major roadworks, too.

Unlock the flexibility of wireless surveillance

More and more organisations are turning to wireless. Why? It's quicker and cheaper to install, for a start. But there can be a snag: wireless mobile surveillance is only as good as the network it runs across. Without consistent network coverage and reliable, predictable bandwidth, your 'real-time' surveillance solution can be anything but. A poor network can lead to potentially critical breaks or delays in video transmission.

The Surveillance Solutions from BT Mobile Surveillance platform is a world-class solution for secure remote viewing of video over very low or variable bandwidth networks and over the EE network (the UK's number one mobile network). Unlike conventional technologies, our platform is designed to address the problems of sending video over low bandwidth networks

You'll also get user tools and enterprise-management features for complete control over camera footage, user access and cost. The HD Minicam range combines the power and flexibility of unique transmission technology with cameras and recording – all in a robust, integral casing that's simple to deploy.

Operational benefits

The HD Minicam offers a combination of rapid and easy deployment, remote CCTV access, and control over operational costs. You can

attach the compact units quickly on your existing street furniture or – if you're expecting the camera to be on location for a lengthy period or you're going to install it at the same location regularly – on dedicated mountings.

If you're livestreaming video over our EE network or wi-fi, the only wired connection you'll need is a power supply. If you're only using edge recording (recording video direct onto the camera), you don't even need that.

Your operators will not only have low latency PTZ (pan-tilt-zoom) control at their fingertips, they'll also be able to minimise the cost of real-time streaming by setting the bandwidth rate and picture settings – frame rates and detail levels – to a 'monitoring' mode. When something happens that piques their interest, the operator can switch to 'eyes on' mode (so they can see more detail in real-time) or 'interrogation' mode (for remote access to the on-camera edge recordings).

Operators can also use the 'enhance' mode at any time where they need to pull back detail from a video frame. When they're scrutinising someone's face, for example.
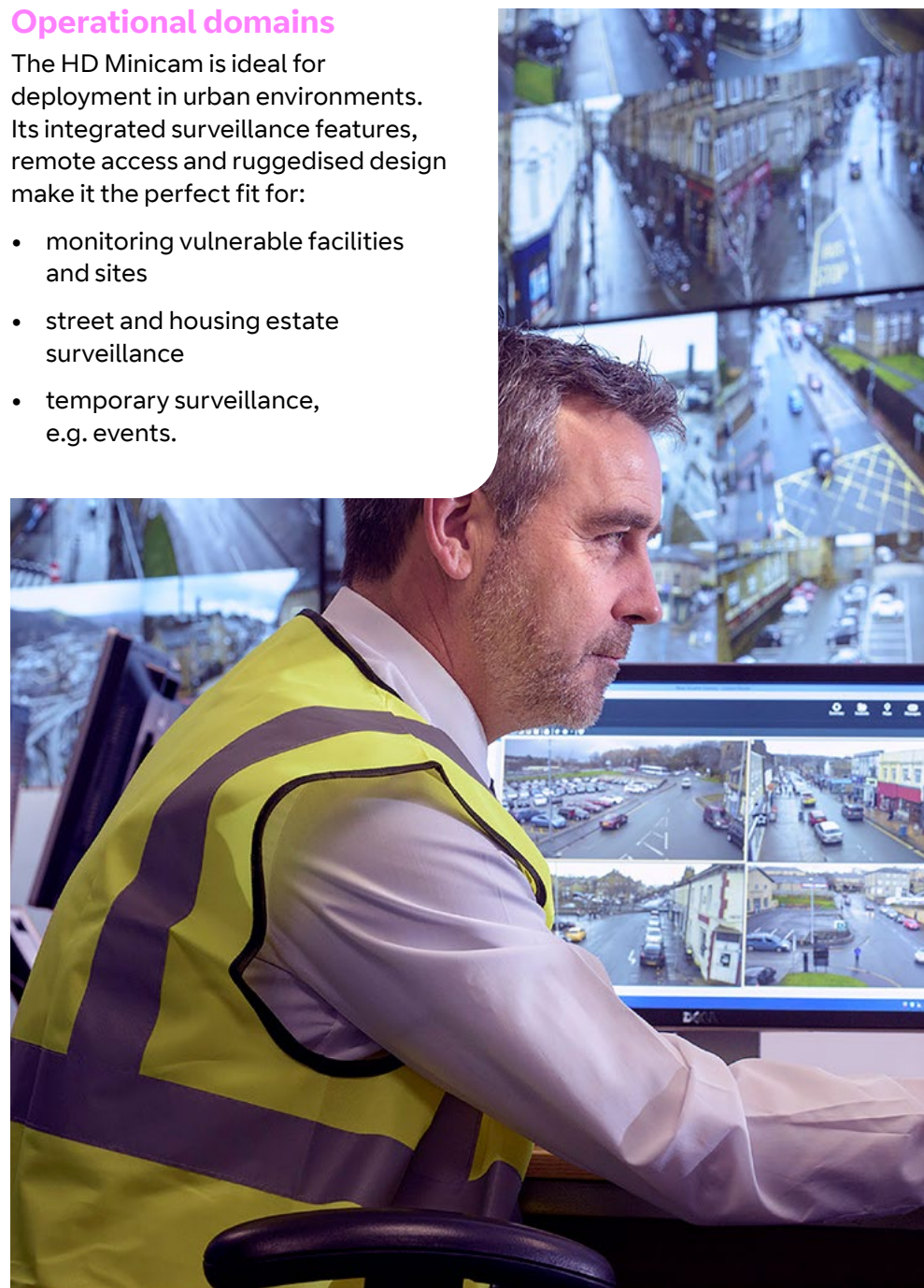
Main features

- Rapid deployment, one-piece, vandal-resistant design with 1080p PTZ camera, recording and transmission module.

- Wireless transmission over our Mobile Surveillance platform for ultra-resilient real-time viewing and archive retrieval.

- Complete operator control over bandwidth utilisation – with instant switching between modes.

- 'Enhance' mode allows for retrieval of critical details, while keeping the real-time operational picture.

- Up to 2TB of on-board storage with remote retrieval and full resolution retrieval of archived footage.

- Additional connectivity options, such as third-party Mesh Radio or additional wi-fi routers for operational flexibility.

- Seamless access to video and camera control from leading video management system (VMS) platforms (including Milestone and Genetec).

Operational domains

The HD Minicam is ideal for deployment in urban environments. Its integrated surveillance features, remote access and ruggedised design make it the perfect fit for:

- monitoring vulnerable facilities and sites

- street and housing estate surveillance

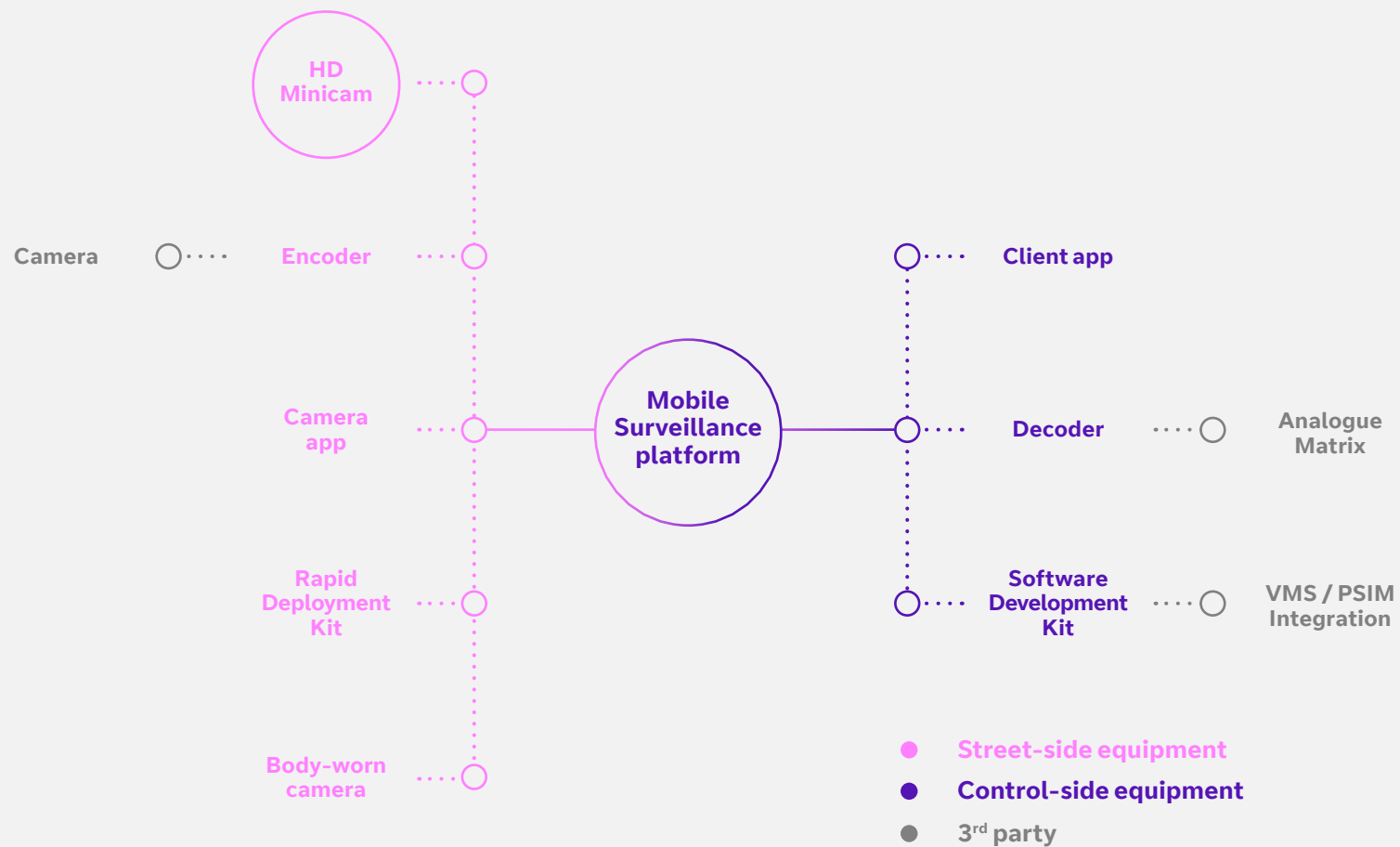- temporary surveillance, e.g. events.

Technical specifications

Video streaming	
Streaming performance	Up to a maximum of 1080p at 10fps, 720p at 20fps, D1 at 30fps
Streaming connection	Reliable, secure (AES-256) video transmission from 9Kbps to 2Mbps
High-resolution image retrieval	Up to 1080p over user-definable areas via high quality JPEG

Recording	
Recording performance	H.264 at maximum resolution of 1080p at 30fps
Security	Recordings are secured with AES-256 encryption and Fragile Digital Watermarking
Storage Medium	Internal non-removable 1TB SSD disk (2TB option available)
Typical recording duration	Approx. 30 days on 2TB recording, 30fps at 6Mbps

Connectivity	
Cellular	Built-in 4G/LTE module
Wi-Fi	Built-in 2.4/5GHz 802.11 ac module
LAN	LAN connection (with power), to support additional connectivity (e.g. Mesh Radio, secondary wi-fi)

Camera	
PTZ	360° PTZ dome, with PTZ presets and tour
Lens	4.5mm-135mm (F1.6-F4.4), field of view: 2.4°-60.9°
Minimum Illumination	L0.05 Lux (colour), 0.01 Lux (mono)
Maximum Zoom	30x optical

Physical connectors	
LAN	1 x Hirose RM-W Circular connector with 1000mbit/s ethernet, PoE+ power or 12V @ 2A (switchable)
Cellular antenna	2 x N-Type antennas (3G/4G and MiMo)
Wi-Fi antenna	2 x N-Type antennas
USB ports	1 x USB 3.0 Type A (configuration only)

Physical characteristics	
Physical size	Diameter 228mm x Height 486mm (D 9" x H 19")
Operating temp/ humidity	-20°C to +55°C (-4°F to 131°F)
Weight	7.6Kg (16.7 pounds)
Input voltage range	90-240V AC
Power consumption	34W (using wi-fi and cellular)
Enclosure	IP67 rated all-in-one design, with universal mountings for simple deployment

Software architecture	
Video distribution	EdgeVis Server provides multi-viewer video distribution, using a granular user-permission system
Local Access	SFTP recording download service, accessible through wi-fi or LAN connection
EdgeVis viewers supported	EdgeVis Client (iOS, Android, Windows). Control Center and TVI Viewer operate in compatibility mode
Third Party VMS integration	Integration into VMS provided via VMS Gateway or native integration (e.g. Milestone, Airship)

Ratings and regulatory approvals	
Safety	IEC 60950-1, Second Edition, IEC 60950-22, UL 60950-1, UL 60950-22, CSA C22.2 No. 60950-1, CSA 60950-22
CE	EN55032:2012 plus corrigenda Aug 2012 and Dec 2012 (Class B), EN55024:2010 + A1:2015, EN301 489-1 V2.1.1, EN301 489-17 V3.2.0
FCC	47CFR:2011 Part 15, Sub Part B

How our Mobile Surveillance portfolio fits together

HD Minicam

Camera

Encoder

Camera app

Mobile Surveillance platform

Client app

Decoder

Analogue Matrix

Rapid Deployment Kit

Software Development Kit

VMS / PSIM Integration

Body-worn camera

● Street-side equipment

● Control-side equipment

● 3rd party

Interested?

Call us today on **0800 032 0025** to talk about how we can help you stay safe and secure. Or head to **bt.com/surveillance**

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