

Wireless 3G HSUPA Dome Cameras



The rapid deployment 3G CCTV dome cameras developed by MEL Secure Systems use high speed 3G HSUPA connectivity combined with the latest compression technologies to provide users with access to evidential quality recordings from any suitably equipped mobile phone, laptop or PDA.

Designed in partnership with government agencies and security services, the 3G HSUPA equipped cameras are quick and easy to deploy on street furniture, buildings or other fixed structures. They feature weatherproofed IP65 rated casings that include a built-in DVR and transmission unit.

Users can access the cameras from any remote location with full pan, tilt and zoom functionality and 360 degree vision to view live or recorded images stored on the built-in DVR. Recordings can also be downloaded for review offline.

The range of 3G HSUPA cameras includes IR Domehawk which features high performance IR LEDs enabling it to operate around the clock in any environment, even where no ambient light is available. The LEDs turn on automatically when the camera switches to black and white mode as light conditions change. To improve efficiency, the invisible IR beam moves with the dome to only illuminate the area that the camera is looking at instead of trying to floodlight the

whole area. The camera offers full 360 degree pan and tilt night vision at ranges up to 100 metres.

The 3G HSUPA dome cameras have automatic fallback to HSDPA, UMTS and GPRS. They also include wireless transmission allowing high speed download to a Wi-Fi enabled laptop at distances of up to 100 metres. As an option, the cameras can also be equipped with the latest COFDM H.264 Video and UHF Telemetry links enabling high quality, interference free images to be received at distances of up to 4km away from broadband access points without requiring line of sight.

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Camera 810 or 940 nM I/R lamps
18:1 or 26:1 Optical Zoom, 12x

Digital Zoom 360° Pan

Transmission power 100mW / 1W / 5W

Frequency 1.394 GHz / 2.4 GHz / 5.8 GHz
(‘L’ / ‘S’ / ‘C’)

Channels 6 / 32 / up to 99

Telemetry control frequency
458 MHz / 433 MHz / 868 MHz / customized

COFDM 2k carrier, QPSK

Compression/bandwidth

MPEG4 PART 10 – H.264 (1MHz / 2MHz B/W)

MPEG4 – (2MHz / 4MHz B/W)

JPEG2000 – (8MHz B/W)

Resolution 4CIF (25 fps PAL)
D1 (30 fps NTSC)

Latency Approx. 100ms

Power consumption
150 mW @ 240 V with HDVR running

Receiver sensitivity 100 dBm

Weight 2 Kg

Receiver dimensions 310 mm x 200 mm x 100 mm

Weight 2 Kg