SeSys

Torch Camera

50 mK
1/20 °C
Thermal Available

SeSys is an award winning integrator and supplier of digital IP camera systems (CCTV), specialising in turnkey rapid deployment camera solutions for security surveillance, disaster response, incident monitoring, public order situations and operational monitoring.

The Torch Camera is a fully self-contained IP Camera solution with integral lens system, storage, router and battery, robustly designed for remote monitoring in rapid deployment and off-grid environments where image quality and reliability are mission critical.
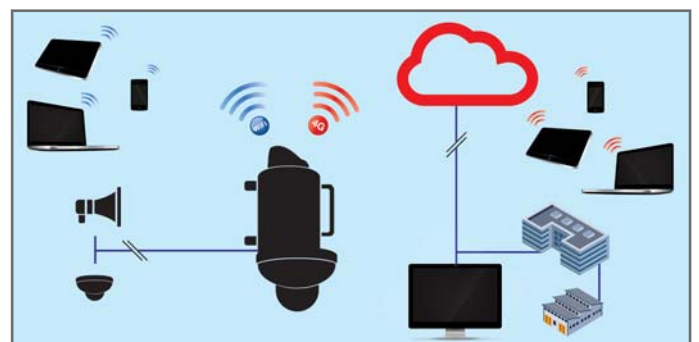
High-resolution images of up to 6MP are streamed back to a single or multiple users via direct web access, professional Video Management Software (VMS) or integration into an existing physical security management platform. Live images or event recordings can be viewed remotely on any internet enabled Smarphone, Tablet, Laptop or Computer.
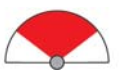
Features and Benefits

- Superior image quality enables people and vehicle identification with encrypted time/date stamped images

- Stainless Steel design provides a robust attack resistant housing

- 100% self-contained IP camera solution includes lens, storage, router and battery

- Fast and easy deployment minimises hidden costs associated with installations

- Ultra-low power consumption, typically half that of conventional cameras

- 4G/3G mobile connectivity with dual network auto-failover and connectivity self-test

- WiFi and IP Network Port provide localized access

- Encrypted data stream ensures integrity of the highest security level

- Feature-rich functionality including intelligent analytical software Activity Sensor which reduces false triggers

- Static lens technology offers up to 360° views, permanent visibility mitigating against blind-spots

- Low light sensitivity via Moonlight Technology captures events at class leading low levels of light without motion blur

- License free access to multiple authorised users via web interface or professional Video Management Software (VMS)

- No infrastructure requirement aiding permanent, temporary or rapid deployment eyes-on-the-ground

- I/O input triggers enables event recording from third party equipment

- PoE port (IEEE 802.3af) enables connectivity to a second IP device

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Fully self contained wireless digital IP camera in a durable stainless steel housing with integral lens, sensors, micro SD card storage, router and battery. Hemispheric, Single or Dual optical or thermal lens configurations available.

	Hemispheric Lens (SE-TCAM-xx-H)	Single Lens (SE-TCAM-xx-S)
Models	4G / 3G / Wi-Fi	
Lens Options	B016 (horizontal angle 180°)	B036 to B237 (horizontal angle 103° - 15°)
Sensitivity	6 MP - Colour: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s), B/W: 0.02 lux (t=1/60 s), 0.0001 lux (t=1/1 s)	
Sensors	6 MP - 1/1.8" CMOS	6 MP - 1/1.8" CMOS
Maximum Image Size	6 MP - 3072 x 2048 pixels	6 MP - 3072 x 2048 pixels
Max. Frame Rate	MxPEG - HD: 42 fps / Full HD: 34 fps / 6MEGA: 12 fps	
Image Compression	MxPEG / M-JPEG / JPG / H.264	
Internal DVR	MicroSD (Upgradable - 4 GB card pre-installed)	
External Storage	Up to 4TB directly on PC/Server/NAS without additional recording software	
Software (free issue)	Control room software MxManagement Centre / MOBOTIX App for iOS devices / Web Browser	
Image Processing	Backlight compensation / Automatic white balance / Image distortion correction / Motion detection / MxActivitySensor	
Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom / Full image recording in the background	
Alarm/Events	Triggering of events by integrated multiple-window motion detection / External signal / Temperature sensor / PIR / Microphone / Illumination / Shock detection / Notification over email / FTP / IP-Telephony etc	
Audio	Mic. & speaker / Sound recording	–
Security	User-/Group management / HTTPS/SSL / IP address filter / IEEE 802.1x / Intrusion detection / Digital image signature / GPS data embedded into camera image (Optional)	
WLAN Communication	2.4/5.2 Ghz 802.11b/g/n access point and client mode	
WLAN Antenna	Dual band 2400 & 4900-6000 MHz	
Mobile Communication	4G LTE fall back to 3G HSPSA+	
MiMo Antenna	Factory fitted low-profile multi-band antenna	
PoE Port (Optional)	Single PoE port (IEEE 802.3at), option to add second camera or PoE device	
Battery	Integrated 12v battery	
Power Supply	100-240v AC 50-60 Hz single phase	
Power Supply Options	12v DC	
Operating conditions	IP65 (DIN EN 60529), -30°C to +50°C	
Dimensions	(H)250 x (W)165 x (D)394mm	(H)250 x (W)207 x (D)394 mm
Weight	7 kg	7.5 kg

6 MP

B016 f/2.0 - 180° (H) x 160° (V)   B036 f/1.8 - 103° (H) x 77° (V)   B041 f/1.8 - 90° (H) x 67° (V)   B061 f/1.8 - 60° (H) x 45° (V)   B079 f/1.8 - 45° (H) x 34° (V)   B119 f/1.8 - 31° (H) x 23° (V)   B237 f/1.8 - 15° (H) x 11° (V)

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The Thermal Torch Camera models generate automatic alarms defined by temperature limits or temperature ranges. Up to 20 different temperature triggers can be easily defined within the Thermal Radiometry (TR) window.

	Dual Lens (SE-TCAM-xx-D)	Dual Flexible Module (SE-TCAM-xx-FM)
Models	4G / 3G / Wi-Fi	
Lens	B036 to B237 (horizontal angle 103° - 15°)	Optical - B036 to B500 (horizontal angle 103° - 15°) Thermal - B079 / B119 / B237 (horiz. angle 45° - 15°)
Sensitivity	6 MP - Colour: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s), B/W: 0.02 lux (t=1/60 s), 0.0001 lux (t=1/1 s)	6 MP - Colour: 0.1 lux (t=1/60 s), 0.005 lux (t=1/1 s), B/W: 0.02 lux (t=1/60 s), 0.0001 lux (t=1/1 s) Thermal - NETD typ. 50mK (equal to 0.05°C or 0.09°F) IR range 7.5 to 13.5 μm
Sensors	6 MP - 1/1.8" CMOS	6 MP - 1/1.8" CMOS Thermal - uncooled microbolometer
Maximum Image Size	6 MP - 3072 x 2048 pixels	6 MP - 3072 x 2048 pixels Thermal - 336 x 252 pixels
Max. Frame Rate	MxPEG - HD: 42 fps / Full HD: 34 fps / 6MEGA: 12 fps	HD: 42 fps / Full HD: 34 fps / 6MEGA: 12 fps Thermal - 9 fps
Image Compression	MxPEG / M-JPEG / JPG / H.264	
Internal DVR	MicroSD (Upgradable - 4 GB card pre-installed)	
External Storage	Up to 4TB directly on PC/Server/NAS without additional recording software	
Software (free issue)	Control room software MxManagement Centre / MOBOTIX App for iOS devices / Web Browser	
Image Processing	Backlight compensation / Automatic white balance / Image distortion correction / Motion detection / MxActivitySensor	
Virtual PTZ	Digital Pan/Tilt/Zoom, continuous 8x zoom / Full image recording in the background	
Alarm/Events	Triggering of events by integrated multiple-window motion detection / External signal / Temperature sensor / PIR / Microphone / Illumination / Shock detection / Notification over email / FTP / IP-Telephony etc Thermal - Thermal Radiometry	
Audio	Mic. & speaker / Sound recording	Microphone in the sensor module
Security	User-/Group management / HTTPS/SSL / IP address filter / IEEE 802.1x / Intrusion detection / Digital image signature / GPS data embedded into camera image (Optional)	
WLAN Communication	2.4/5.2 Ghz 802.11b/g/n access point and client mode	
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6 MP

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B079 f/1.8 - 45° (H) x 34° (V)
B119 f/1.8 - 31° (H) x 23° (V)
B237 f/1.8 - 15° (H) x 11° (V)
B500/f2.5 - 8° (H) x 6° (V)

THERMAL

B079 - 45°Wide-Angle
B119 - 25° Telephoto
B237 - 17° Telephoto

Specifications subject to change