TWC: THROUGH WALL CAMERA

TACTICAL ELECTRONICS: SPEC SHEET

IDENTIFICATION:

FEATURES:

+ **CAMERA PROBE:** 2mm Stainless Steel Tube on 6ft cable

+ **TOOLS:** Camera Probe + Wall Punch + Clearing Drill

+ **EYEPIECE:** 1.0in AMOLED color display (optional)

+ **TWO LENGTH OPTIONS:** 8 inches and 17 inches

+ **SNAPSHOT:** Instantly record a still image of live video

+ **LCD STATUS SCREEN:** View system status information

+ **VIDEO:** View wireless or hardwired video on any TE Monitor

+ **TAP:** USB 2.0, 100Mbps Ethernet, 12VDC power-in

WIRELESS VIDEO 5GHz real-time Wi-Fi video transmission	**ATAK | MANET** Connect real-time video via USB & Ethernet	**ENCRYPTED VIDEO** AES encrypted Wi-Fi video streaming	**SD RECORDING** Automatic recording to a 32GB MicroSD card

DESCRIPTION:

The Through Wall Camera (TWC) is a precision surveillance camera that enables operators to gain covert visual access to rooms and areas through drywall or any small opening. The TWC can be deployed in multiple scenarios. Gain covert visual access by inserting the camera probe under door cracks or through narrow gaps in walls or structures.

The TWC includes a set of three tools: a Wall Punch, a Clearing Drill, and a Camera Probe that is an ultra-miniature camera housed in a 2mm stainless steel probe. The TWC tools are designed to bore a 2mm hole through two layers of drywall and make discreet entry into adjacent rooms. First, embed the Wall Punch into the drywall and use the Clearing Drill to bore a hole through the wall and into the adjacent room. Remove the Clearing Drill from the Wall Punch and insert the Camera Probe, where it magnetically attaches, to discretely obtain a wide angle view of the room.

Two length options are available, the standard length option is 8 inches long and designed for deployment in residential properties. The longer version is 17 inches long and suited for wider wall construction typically found in commercial buildings.

The 1.0 inch AMOLED eyepiece (optional) on the TWC Body allows for quick viewing and doesn't require any additional monitors. Real-time video can also be streamed wirelessly via the internal WiFi radio or by a hardwired connection to the Tactical Accessory Port (TAP) on the TWC. Video can be viewed on any Tactical Electronics' Monitor, on an Android device via the TE View app or ATAK.

The TWC features a rugged, locking Tactical Accessory Port (TAP) that provides USB 2.0, 100Mbps Ethernet, and 12VDC power in. The TWC also features Stand-By Mode to help preserve battery life and provide a quick return to video within 10 seconds.

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SPECIFICATIONS:

THROUGH WALL CAMERA:	**WEIGHT:**	12.0oz	0.34kg
	BODY:	L 6.0in x W 2.0in x H 2.5in	L 152mm x W 51mm x H 64mm
	CABLE:	78.74in	2.0m

CAMERA PROBE:	**STANDARD:**	L 7.88in x Dia 0.08in	L 200mm x Dia 2.0mm
	XL:	L 17.19in x Dia 0.08in	L 437mm x Dia 2.0mm

WALL PUNCH:	**STANDARD:**	L 6.06in x Dia 0.08in	L 154mm x Dia 2.0mm	4.0oz / 0.11kg
	XL:	L 16.875in x Dia 0.08in	L 429mm x Dia 2.0mm	4.3oz / 0.00kg

CLEARING DRILL:	**STANDARD:**	L 8.75in x Dia 0.8in	L 222mm x Dia 2.0mm	2.2oz / 0.06kg
	XL:	L 18.875in x Dia 0.08in	L 479mm x Dia 2.0mm	2.0oz / 0.00kg

POWER SUPPLY:	Two x CR123 batteries
RUNTIME:	Up to 120 minutes
HOUSING MATERIAL:	PC/PBT / 6061-T6 Aluminum
OPERATING TEMPERATURE:	14ºF to 122ºF / -10ºC to 50ºC
RECORDING CAPACITY & MEDIA:	32GB MicroSD Card

TRANSMISSION DISTANCE:	Line of Sight (LOS) = up to 328ft / 100m
COMPATIBLE MONITORS:	TE1 Monocular / TE4 Monitor / TE5 Monitor / TE View app (Android devices)
WIRELESS ENCRYPTION:	128-bit AES Encryption with WPA2-PSK Authentication
FREQUENCY RANGE:	5GHz 802.11g (Worldwide Availability)
HARDWIRE CONNECTION:	Push/pull Tactical ODU port and connector
HARDWIRE COMMUNICATION:	Compatible integration with: ATAK / MANET / Android mobile devices
HARDWIRE DATA TRANSFER:	High-speed Ethernet and USB transfer capable

CAMERA SENSOR:	1.0mm CMOS Digital Image Sensor
CAMERA RESOLUTION:	320 x 320px

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