

CORE K9 CAMERA

SPEC SHEET: TACTICAL ELECTRONICS



IDENTIFICATION



CORE

ELITE CAMERA SYSTEMS BY TACTICAL ELECTRONICS

FEATURES



WIRELESS

5GHz wireless, real-time video transmission



2-WAY AUDIO

Push-to-talk 2-way audio between handler & K9



THERMAL FUSION

Thermal signatures merged with outlines & details



ADJUSTABLE LEDS

Adjustable high-intensity LED illumination (0-100%)

- > **HD VIDEO:** High-Definition 1280x720p Color Video
- > **THERMAL VIDEO:** Integrated LWIR thermal imager
- > **RECORDING:** Records video & audio to Micro SD card
- > **ILLUMINATION:** 4 white & 4 IR high-intensity LEDs
- > **ENCRYPTED:** Encrypted video and audio transmission
- > **AUDIO:** Omni-directional microphone records audio
- > **MOUNTING:** Universal mounting attachment
- > **SNAPSHOT:** Instantly record a still image of live video
- > **LCD STATUS SCREEN:** View system status information
- > **BACKLIT BUTTONS:** View push buttons in low light

DESCRIPTION

Mounted to the back of the K9's vest, our CORE K9 Camera transmits real-time HD and thermal video back to the handler. The system combines a light sensitive HD camera with a high output IR illuminator to provide enhanced vision in extreme low light environments. In addition to the HD camera, the CORE K9 also includes a thermal camera with Thermal Fusion Technology. Thermal Fusion allows operators to see details and outlines of persons and objects overlaid onto thermal colors. Thermal Fusion is the perfect blend of thermal signatures with HD details. Two-way audio on the CORE K9 Camera provides a "Push-to-Talk" feature, allowing handlers to easily listen to and communicate with a K9 or suspect.

The CORE K9 Camera is designed to universally mount to the back of a K9's vest via secure Velcro and molle attachments. The camera arms are spring loaded, providing 180 degrees of rotation. This mechanical feature allows K9s to maneuver through extremely tight spaces. An internal DVR records audio and video directly to a micro SD card. Handlers can watch live video from the dog's perspective while simultaneously recording the video for evidence collection and training purposes.



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DOCUMENT :

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▼ SPECIFICATIONS

CAMERA WEIGHT:	1.0lb 13oz / 0.82kg
CAMERA DIMENSIONS:	L 6.71in x W 4.00in x H 7.75in / L 17.04cm x W 10.16cm x H 19.69cm
POWER SUPPLY:	Three CR123 batteries
RUNTIME:	Up to 2.3 hours @ 21°C
HOUSING MATERIAL:	Polycarbonate+PBT (Valox 357U) and 6061-T6 Aluminum
OPERATING TEMPERATURE:	-4°F to 122°F
OPERATING TEMPERATURE (METRIC):	-20°C to 50°C
FREQUENCY RANGE:	5 GHz (Worldwide Availability)
WIRELESS ENCRYPTION:	128-bit AES Encryption with WPA2-PSK Authentication
TRANSMISSION DISTANCE:	500ft, Line of Sight / 152m, Line of Sight
COMPATIBLE MONITORS:	CORE Monitor
CAMERA SENSOR TYPE:	1/2.7in CMOS Color Digital Image Sensor
CAMERA RESOLUTION / FRAME RATE:	1280 x 720p @ 30fps
HORIZONTAL FOV°:	Visible = 80° / Thermal = 51°
LENS FOCAL LENGTH:	3.7mm
ILLUMINATION:	IR (950nm) LED; 0 - 100% dimming
THERMAL SENSOR TYPE:	Longwave Infrared (LWIR), 8µm to 14µm
THERMAL SENSOR RESOLUTION:	80 x 60px
STORAGE MEDIA:	MicroSD Card
RECORDING CAPACITY:	32GB
REAL-TIME AUDIO:	Two-way audio (half-duplex with Push-To-Talk)



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