



IDENTIFICATION



CORE PRODUCT: Engineered and manufactured by Tactical Electronics

FEATURES

- › High-Definition 1280x720p Color Video
- › Longwave infrared (LWIR) thermal imager
- › Thermal Fusion Technology
- › Adjustable high-output IR LED Illumination
- › 2-way audio with “Push-to-Talk”
- › Wireless Video Transmission - 5 GHz
- › AES Encryption
- › WPA2-PSK Authentication
- › Graphical LCD for status information
- › Backlit push buttons
- › MicroSD card video recording (32GB)
- › Universal mounting attachment

DESCRIPTION

The 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

| | |
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| 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 |
| 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 |
| 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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