

CORE FLEX CAMERA

SPEC SHEET: TACTICAL ELECTRONICS



IDENTIFICATION



CORE

ELITE CAMERA SYSTEMS BY TACTICAL ELECTRONICS

FEATURES



WIRELESS

5GHz wireless, real-time video transmission



ENCRYPTED

Transmits AES encrypted video directly to monitor



MODULAR

Attach camera to both the CORE Grip & POLE Grip



THERMAL FUSION

Thermal signatures merged with outlines & details

- > **HD VIDEO:** High-Definition 1280x720p color video
- > **THERMAL VIDEO:** Integrated LWIR thermal imager
- > **LED ILLUMINATION:** Adjustable high-intensity LEDs
- > **FLEX NECKS:** 10in & 18in flexible neck camera options
- > **1.0IN EYEPIECE:** AMOLED color display (optional)
- > **RECORDING:** Records video to 32GB Micro SD card
- > **HARDWARE:** Hardwire for RF-restricted environments
- > **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

The CORE Flex Camera is the latest evolution of our versatile handheld inspection tool. High-Definition, digitally encrypted video is captured through a 10in or 18in flex and stay camera neck. The CORE Flex Camera combines extreme low light sensitivity with thermal fusion technology to provide unsurpassed detail and definition. Video is streamed wirelessly to the CORE monitor over an AES encrypted channel. An optional hardwire cable connection is available for RF-restricted environments.

Additionally, the CORE Flex Camera includes an option for a 1.0in eyepiece that displays high definition video. High-intensity IR illumination is controlled and adjusted directly from the Flex Camera or remotely on the CORE Monitor.



CONTACT :

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CORE FLEX CAMERA

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SPECIFICATIONS

CAMERA WEIGHT:	10in FLEX Camera = 10.0oz / 0.28kg 18in FLEX Camera = 13.0oz / 0.37kg
CAMERA DIMENSIONS:	10in FLEX Camera = 15.4in total neck length / 0.972in OD / 10.0in flexible neck 18in FLEX Camera = 21.4in total neck length / 0.972in OD / 18.0in flexible neck
CAMERA DIMENSIONS (METRIC):	10in FLEX Camera = 39.1cm total neck length / 2.47cm OD / 25.4cm flexible neck 18in FLEX Camera = 53.4cm total neck length / 2.47cm OD / 45.7cm flexible neck
CORE GRIP WEIGHT:	1.0lb 1.0oz / 0.48kg
CORE GRIP DIMENSIONS:	L 8.46in x W 3.31in x D 1.83in / L 21.49cm x W 8.41cm x D 4.65cm
POWER SUPPLY:	Three CR123 batteries
RUNTIME:	1.5 hours @ -10°C / 1hr 32 min @ 21°C / 1.5 hours @ 50°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:	Line of Sight: 125m / 410.105ft
COMPATIBLE MONITORS:	CORE Monitor
CAMERA SENSOR TYPE:	1/2.7in CMOS Color Digital Image Sensor
CAMERA RESOLUTION / FRAME RATE:	1280 x 720p @ 30fps
LENS TYPE	Adjustable: Manually rotate the lens to focus camera
FOCAL RANGE	Manual Focus: 15mm to Infinity
DEPTH OF FIELD	Variable - dependant on focal length
LENS FOCAL LENGTH	3.7mm
ILLUMINATION:	2ea IR (950nm) LEDs; 0 - 100% dimming
THERMAL SENSOR TYPE:	Longwave Infrared (LWIR), 8µm to 14µm
THERMAL SENSOR RESOLUTION:	80 x 60px
EYEPIECE SIZE (CORE GRIP):	1.0in
EYEPIECE RESOLUTION (CORE GRIP):	800 x 600px
STORAGE MEDIA:	MicroSD Card
RECORDING CAPACITY:	32GB



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