

CORE FLEX CAMERA

SPEC SHEET

CORE LINE
PRODUCT



IDENTIFICATION



CORE PRODUCT LINE: Engineered and manufactured by Tactical Electronics

FEATURES:

- > High-Definition 1280x720p Color Video
- > Longwave infrared (LWIR) thermal imager
- > 10in and 18in flexible camera options
- > Adjustable high-intensity IR LED Illumination
- > Attaches to POLE Grip or CORE Grip
- > Color Eyepiece - AMOLED Display (CORE Grip)
- > Wireless Video Transmission - 5 GHz
- > AES Encryption
- > WPA2-PSK Authentication
- > Graphical LCD for status information
- > Hardwire video option
- > Backlit push buttons
- > MicroSD card video recording (32GB)

DESCRIPTION

The CORE Flex Camera is the latest evolution of our versatile handheld inspection tool. High-Definition, digitally encrypted video is captured through a 10 or 18 inch 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 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.



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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:	2.5 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 with WPA2-PSK Authentication
TRANSMISSION DISTANCE:	650ft, Line of Sight / 200m, 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
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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