

# 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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### SPECIFICATIONS

<b>CAMERA WEIGHT:</b>	10in FLEX Camera = 10.0oz / 0.28kg 18in FLEX Camera = 13.0oz / 0.37kg
<b>CAMERA DIMENSIONS:</b>	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
<b>CAMERA DIMENSIONS (METRIC):</b>	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
<b>CORE GRIP WEIGHT:</b>	1.0lb 1.0oz / 0.48kg
<b>CORE GRIP DIMENSIONS:</b>	L 8.46in x W 3.31in x D 1.83in / L 21.49cm x W 8.41cm x D 4.65cm
<b>POWER SUPPLY:</b>	Three CR123 batteries
<b>RUNTIME:</b>	2.5 hours
<b>HOUSING MATERIAL:</b>	Polycarbonate+PBT (Valox 357U) and 6061-T6 Aluminum
<b>OPERATING TEMPERATURE:</b>	-4°F to 122°F
<b>OPERATING TEMPERATURE (METRIC):</b>	-20°C to 50°C
<b>FREQUENCY RANGE:</b>	5 GHz (Worldwide Availability)
<b>WIRELESS ENCRYPTION:</b>	128-bit AES Encryption with WPA2-PSK Authentication
<b>TRANSMISSION DISTANCE:</b>	650ft, Line of Sight / 200m, Line of Sight
<b>COMPATIBLE MONITORS:</b>	CORE Monitor
<b>CAMERA SENSOR TYPE:</b>	1/2.7in CMOS Color Digital Image Sensor
<b>CAMERA RESOLUTION / FRAME RATE:</b>	1280 x 720p @ 30fps
<b>HORIZONTAL FOV°</b>	Visible = 80° / Thermal = 51°
<b>LENS FOCAL LENGTH</b>	3.7mm
<b>ILLUMINATION:</b>	2ea IR (950nm) LEDs; 0 - 100% dimming
<b>THERMAL SENSOR TYPE:</b>	Longwave Infrared (LWIR), 8µm to 14µm
<b>THERMAL SENSOR RESOLUTION:</b>	80 x 60px
<b>EYEPIECE SIZE (CORE GRIP):</b>	1.0in
<b>EYEPIECE RESOLUTION (CORE GRIP):</b>	800 x 600px
<b>STORAGE MEDIA:</b>	MicroSD Card
<b>RECORDING CAPACITY:</b>	32GB



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