

CORE 8MM VIDEO SCOPE

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

Interchangeable: Connects to any handheld CORE Grip



SD RECORDING

Automatic video recording to a 32GB Micro SD card

- > **8MM PROBE:** Small diameter for minimal intrusion
- > **LOW-LIGHT:** Extreme low-light sensitivity @ 0.005 lux
- > **ARTICULATION:** 4-way articulation via paddles
- > **ARTICULATION:** 160° up, 130° down, 100° left/right
- > **EYEPIECE:** 1.0 inch AMOLED color display
- > **SNAPSHOT:** Instantly record a still image of live video
- > **ILLUMINATION:** Adjustable external light source
- > **HARDWIRE:** Hardwire for RF-restricted environments
- > **BACKLIT BUTTONS:** View push buttons in low light

DESCRIPTION

The CORE 8mm Video Scope allows you to capture digitally encrypted video with extreme low light sensitivity. The 4-way articulating camera neck (160° up, 130° down, 100° left & right) is controlled via fine touch paddles, allowing you to easily position the camera. Video is streamed wirelessly to the CORE monitor over an AES Encrypted channel. Like all CORE Cameras, the CORE 8mm Video Scope is modular and will connect to any handheld CORE Grip. An external light source can be added to provide illumination at the distal tip of the Video Scope. The light source is available in the following colors: EOD/UV, Blue, Green, White, and IR 850nm.

An optional hardwire cable connection is available for RF-restricted environments. Additionally, a 1.0in eyepiece displays video without requiring a separate monitor.



CONTACT :

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DOCUMENT :

OFFICIAL SPECIFICATIONS SHEET *PROPRIETARY*

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SPEC SHEET :

PRODUCT SPECIFICATIONS AND INFORMATION ARE SUBJECT TO CHANGE WITHOUT NOTICE.

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SPECIFICATIONS

CAMERA WEIGHT:	19.40oz / 550g
CAMERA DIMENSIONS:	L 22.25in x W 2.60in x H 2.77in / L 565.15mm x W 66.04mm x H 70.36mm
CAMERA WORKING LENGTH:	9.25in / 234.95mm
CAMERA ARTICULATING LENGTH:	3.78in / 96.01mm
WORKING OD:	0.32in / 8mm
CORE GRIP WEIGHT:	1.0lb 2.0oz / 0.48kg
CORE GRIP DIMENSIONS:	L 9.76in x W 3.21in x D 1.68in / L 24.79cm x W 8.15cm x D 4.27cm
POWER SUPPLY:	Three CR123 batteries
RUNTIME:	1.5 hours @ -10°C / 2.5 hours @ 21°C / 1.5 hours @ 50°C
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:	1/4in Analog CCD
CAMERA RESOLUTION:	400 Lines
CAMERA LIGHT SENSITIVITY:	0.005 lux
ILLUMINATION:	External light source - available in: EOD/UV, Blue, Green, White, and IR 850nm
PROBE SHEATHING:	Non-conductive PVC heavy-duty tungsten braid
ARTICULATION:	4-way articulation – 160° up, 130° down, 100° left & right
EYEPIECE SIZE (CORE GRIP):	1.0in
EYEPIECE RESOLUTION (CORE GRIP):	800 x 600px
STORAGE MEDIA:	MicroSD Card
RECORDING CAPACITY:	32GB



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