

CORE ARTICULATING SCOPE

SPEC SHEET

CORE LINE
PRODUCT



IDENTIFICATION



CORE

CORE PRODUCT LINE: Engineered and manufactured by Tactical Electronics

FEATURES:

- > High-Definition 1280x720p Color Video
- > 4-way 150 degree articulation
- > Color Eyepiece - AMOLED Display
- > High-intensity UV LED Illumination
- > 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

Capture digitally encrypted, High-Definition video with the CORE Articulating Scope. The 4-way 150 degree articulating camera neck provides excellent video quality and upstanding low-light sensitivity. 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, a 1.0in eyepiece displays video without requiring a separate monitor. High intensity UV illumination can be activated and dimmed either directly on the camera, or remotely via the CORE Monitor.



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DOCUMENT :

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SPECIFICATIONS

CAMERA WEIGHT:	15.0oz / 0.43kg
CAMERA DIMENSIONS:	18in total length / 0.496in OD / 5.25in articulating length / 11in working length
CAMERA DIMENSIONS (METRIC):	45.72cm total length / 1.26cm OD / 13.33cm articulating length / 27.94cm working length
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:	2.5 hours
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
HORIZONTAL FOV°	80°
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:	1 ea High-intensity UV (400nm) LED; 0 - 100% dimming;
ARTICULATION TYPE:	4-way
ARTICULATION ANGLE:	150 degrees, all directions
EYEPIECE SIZE (CORE GRIP):	1.0in
EYEPIECE RESOLUTION (CORE GRIP):	800 x 600px
STORAGE MEDIA:	MicroSD Card
RECORDING CAPACITY:	32GB



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