



SWIFT FLEX CAMERA

SPEC SHEET: TACTICAL ELECTRONICS

ELITE CAMERA SYSTEMS



IDENTIFICATION:



FEATURES:

- + **LOW-LIGHT VIDEO:** Color low-light sensitive sensor
- + **ILLUMINATION:** Adjustable high-intensity LEDs
- + **EYEPIECE:** 1.0 inch AMOLED color display
- + **HARDWIRE:** 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



WIRELESS VIDEO

5GHz real-time Wi-Fi video transmission



ATAK | MANET

Connect real-time video via USB & Ethernet



ENCRYPTED VIDEO

AES encrypted Wi-Fi video streaming



SD RECORDING

Automatic recording to a 32GB MicroSD card

DESCRIPTION:

The SWIFT Flex Camera is a handheld inspection tool that features a flex-and-stay neck. Choose from three different camera head options to best suit your mission. The Visible SWIFT Flex Camera is 12mm in diameter, features a color CMOS sensor, excellent low-light sensitivity and integrated LED illumination. The Thermal SWIFT Flex Camera is 17mm in diameter and features a Long Wave Infrared (LWIR) FLIR thermal imager. The Dual SWIFT Flex Camera is 25mm in diameter and features both a color CMOS sensor and a FLIR thermal imager.

Video captured by any of the SWIFT Flex Cameras can be viewed with the integrated 1.0in eyepiece. Additionally, video can be streamed wirelessly through the internal WiFi radio or by hardwired connection through the Tactical Accessory Port (TAP). Video is streamed to any TE Monitor or Android device utilizing the TE View mobile app or ATAK.

The SWIFT Flex Camera features a rugged, locking Tactical Accessory Port (TAP) that provides USB 2.0, 100Mbps Ethernet, and 12VDC power in. All SWIFT products offer Stand-By Mode to help preserve battery life and provide a quick return to video within 10 seconds.

TACTICAL ELECTRONICS

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WEBSITE: TACTICALELECTRONICS.COM

EMAIL: GOVSALES@TACTICALELECTRONICS.COM

PHONE: (+1) 833 / 483 / 1441 • (+1) 918 / 249 / 8326



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SPECIFICATIONS:

WEIGHT:	VISIBLE Flex:	13.0oz	0.369kg
	DUAL Flex:	17.1oz	0.485kg
	THERMAL Flex:	13.0oz	0.369kg
DIMENSIONS:	VISIBLE Flex:	L 18.1in x W 2.1in x H 2.7in	L 46.0cm x W 5.3cm x H 6.8cm
	DUAL Flex:	L 9.5in x W 2.1in x H 2.7in	L 49.4cm x W 5.3cm x H 6.8cm
	THERMAL Flex:	L 18.3in x W 2.1in x H 2.7in	L 46.4cm x W 5.3cm x H 6.8cm
WORKING PROBE:	VISIBLE Flex:	L 12.0in x OD 0.50in	L 30.5cm x OD 1.26cm
	DUAL Flex:	L 13.5in x OD 0.98in	L 34.3cm x OD 2.5cm
	THERMAL Flex:	L 12.2in x OD 0.67in	L 30.9cm x OD 1.7cm
CAMERA SENSOR:	VISIBLE Flex:	0.25in CMOS Color Digital Image Sensor	
	DUAL Flex:	0.25in CMOS Color Digital Image Sensor & Long-wave Infrared (LWIR) 8um - 12um	
	THERMAL Flex:	Long-wave Infrared (LWIR) 8um - 12um	
CAMERA RESOLUTION:	VISIBLE Flex:	640 x 480px @ 30fps	
	DUAL Flex:	1280 x 720px @ 30fps & 80 x 60px with Thermal Fusion	
	THERMAL Flex:	160 x 120px	
POWER SUPPLY:	Two x CR123 batteries		
RUNTIME:	Up to 100 minutes		
HOUSING MATERIAL:	HDPE / 6061-T6 Aluminum		
OPERATING TEMPERATURE:	-4°F to 122°F / -20°C to 50°C		
RECORDING CAPACITY & MEDIA:	32GB MicroSD Card		
TRANSMISSION DISTANCE:	Line of Sight (LOS) = up to 500ft / 150m		
WIRELESS ENCRYPTION:	128-bit AES Encryption with WPA2-PSK Authentication		
FREQUENCY RANGE:	5GHz (Worldwide Availability)		
HARDWARE COMMUNICATION:	Compatible integration with: ATAK / MANET / Android mobile device		
HARDWARE DATA TRANSFER:	High-speed Ethernet and USB transfer capable		
HARDWARE CONNECTION:	Push/pull Tactical ODU port and connector		
EYEPIECE SIZE:	1.0in (diagonal)		
EYEPIECE RESOLUTION:	1280 x 720px		
ILLUMINATION:	VISIBLE Flex:	1 x 400nm UV or white LED	
	DUAL Flex:	2 x 400nm UV or white LED	

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