

# TVS 12C (640)

THERMAL MONOCULAR



Display

The TVS 12C (640) is designed for tripod mounting as well as handheld use. This thermal imaging monocular is well suited to a variety of tactical, law enforcement, search and rescue, and industrial applications. The device utilizes passive infrared sensing technology allowing users to detect extremely small differences in the temperature of objects, people and other heat sources within the field of view.

Unlike traditional night vision devices, the TVS 12C (640) can be operated 24 hours a day, in daytime and at night, even in the total darkness of an enclosed space. The device can also see through smoke, fog and other obscurants. The unit features "black hot", "white hot", "sepia" and "rainbow" image polarity and can also be connected to external display devices allowing other parties to view the observed image in real time.

Sensor	TVS 12C (640)
Resolution (pixels)	640x480
Operating wavelength ( $\mu$ )	8 - 14
Sensitivity (mK @F1.0)	<50
Video Output	NTSC
DRI range (m)*	1,200/300/150
Optics	
Objective focal length (mm)	54
Field of view ( $^{\circ}$ )	12x9
Eye relief (mm)	25
Dioptric correction	-6 to +2
Zoom	2x, 4x, (8x opt)
Mechanics, Electronics & Environmental	
Dimensions (mm)	280x68x78
Weight without batteries (g)	950
Battery type	6x AA
Battery life (hours)	8
Operating Temperature ( $^{\circ}$ C)	-40 to +80

\*Maximum Detection/Recognition/Identification to human-sized target

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## DELIVERY SET

Supplied with the following standard accessories:

- Soft carrying case
- 6x AA battery & 1x rechargeable battery pack
- Objective lens Cover
- Lens cleaning kit
- Power adapter
- USB cable
- Video/charging cable
- Wrist strap
- Tripod mount
- Operation manual

## OPTIONAL ACCESSORIES



Hard Case



TVS CW



TVSD



TVS AR

