

HOTSHOT

2A-1 Medium Thermal Weapon Sight



DESCRIPTION

The Hotshot 2A-1 Thermal Weapon Sight was designed for use on the M-16, AR-15, M-4 and other equivalent weapons that uses a Picatinny rail mount system. The TWS features a 320 x 240 microbolometer and displays 640 x 480 video at 30 Hz frame rate on a 640 x 480 OLED Display.

This ruggedized thermal weapon sight uses a 50mm lens for medium range applications. It is lightweight and balanced for the shooter and comes standard with 2:1 digital zoom control; black hot/white hot (polarity) switching; starburst eyecup with adjustable diopter; and an electronic boresight and reticle system.

A VIDEO OUT jack is provided so that thermal video can be routed to an external, customer-supplied video display or an optional helmet-mounted monocular unit. The system gives the shooter flexibility and ease of use in complete darkness, not possible with any other system today.



Hotshot 2A-1

KEY FEATURES

- 320 X 240 Uncooled Microbolometer. No illuminators required
- Fits Picatinny Rail Mount. Double Throw attachment
- 640 x 480 OLED Display increases picture quality
- Starburst Eyecup for 'glow' security
- Video output allows use with optional monocular



M-640 Monocular

Includes:

- NTSC video output
- Cleaning kit
- Operator's manual
- Hard carrying case

Options:

- PAL video output
- Video cable
- Monocular display (640 x 480 OLED)

Part Number:

Hotshot 2A-1 Thermal Weapon Sight:

HS-2A-1



SPECIFICATIONS:

Optics	50mm, f/1.0 lens (standard)
Detector	320 x 240 FPA, Amorphous Silicon
Field of View	12 x 9 degrees
Detection (70% Probability)	1000 meters (Human Target) 2000 meters (Vehicle Target)
NETD	< 100 mK (< 0.10°C)
Operating Temperature	-20°C to 60°C (-32°C optional)
Start up time	< 5 seconds
Contrast / Brightness	Automatic
Battery	Three (3) CR123 Batteries
Operating Time	4 hours
Video output	NTSC or PAL, 30 Hz frame rate
Display	640 x 480 OLED Display
Zoom	2X Digital Zoom
Magnification	2X standard, 4X with Digital Zoom
Polarity	Manual options: White Hot or Black Hot
Spectral Response	7—14 um filter bandwidth
Weight	1.1 kg (2.4 lbs)
Length	273 mm (10.75 inches)
Weapon Systems	M4 / M16 / M249 / M240

All specifications are subject to change without prior notice.

Authorized Dealer



Mtech Imaging Pte Ltd
57 Changi North Crescent Singapore 499629
Tel: +65 6572 5699 Fax: +65 6572 5680
Website: <http://www.mtech-imaging.com>
Email: sales@mtech-imaging.com