

# HOTSHOT

2A Light Thermal Weapon Sight



## DESCRIPTION

The Hotshot 2A is a Light Thermal Weapon Sight designed for use on M-16, AR-15, M-4 and other equivalent weapons that use a Picatinny rail mount system. The TWS features a 160 x 120 microbolometer and displays 640 x 480 video at 30 Hz frame rate.

This ruggedized TWS uses a 30mm lens for short 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 bore-sight 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 for short to medium range applications.



Hotshot 2A

## KEY FEATURES

- No Illuminators Required.
- Fits Picatinny Rail Mount.
- Lightweight and Balanced for the Shooter.
- External NTSC or PAL VIDEO OUT for Monocular.
- Operates from Three CR-123 Batteries
- 11 degree Manual Focus Lens
- Detect man-sized target at 500m, Vehicle-sized target at 1000m



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 Thermal Weapon Sight:

HS-2A



**SPECIFICATIONS:**

Optics	30mm, f/1.0 lens (standard)
Detector	160 x 120 FPA, Amorphous Silicon
Field of View	12 x 9 degrees
Detection (70% Probability)	500 meters (Human Target) 1000 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	320 x 240 LCD Display
Zoom	2X Digital Zoom
Magnification	2X standard, 4X with Digital Zoom Engaged
Polarity	Manual options: White Hot or Black Hot
Spectral Response	7—14 um filter bandwidth
Weight	0.7 kg (1.5 lbs) with batteries
Length	222 mm (8.75 inches)
Weapon Systems	M4 / M16

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](mailto:sales@mtech-imaging.com)