

# VooDoo-M SERIES

Medium/Long Range Multi-Mission Thermal Sight

**PIXELS**  
O N T A R G E T

**VooDoo-M Series** Sights are the next generation in tactical thermal imaging. We've kept what you require, improved what you've asked for, and added what you've always desired. Feature rich, yet easy to use with two versions: without Lasers (VooDoo-M) or with Dual Aiming Lasers (VooDoo-ML). All at around 26-ounces.

**VooDoo-M Series** Sights provide the sharpest thermal images on the market, utilizing a shutterless 12-micron, 640 x 480 Pixels Core powered by an advanced focal plane array and thermal image processor.

**VooDoo-M Series** Sights are multi-mission uncooled thermal imaging sights designed and optimized for medium and long-range caliber weapons as a true in-line Clip-On weapon sight for Sniper, DMR, and Crew-Served weapon platforms. With the attachment of a Pixels on Target 2X magnifier to the sight's eyepiece, VooDoo-M Series Sights also function as a standalone weapon sight or hand-held viewer.

**VooDoo-M Series** Sights are mission-ready and include a QD/Flip-to-Side mount that allows seamless transition from day optics to thermal sight while maintaining zero. Standard optical centerline height above the rail is 1.54". Pixels on Target has created, tested, and fielded mounting solutions to fit each end user's mission requirements, including fixed QD mounts and custom mounting configurations for heights above the 1.54" centerline standard.

**VooDoo-M Series** Sights provide end users extended detection, recognition, and identification ranges, yielding combat-effective observation and engagement of targets at 1500 meters and beyond.

**VooDoo-M Series** Sights provide enhanced performance on crew-served weapons in a variety of configurations, and can incorporate an external LRF with disturbed reticle functionality.

**VooDoo-M Series** Sights feature two unique, patent-pending features that make these sights the most accurate in their class:

- 1) Onboard POA/POI alignment & adjustment function that achieves <1 MOA accuracy while maintaining sub-MOA accuracy and return to zero
- 2) Digital Unity Magnification (D.U.M.) function that maintains Zero POA/POI while shooting in Digital Zoom Modes, with no bullet impact shift.



*VooDoo-M No Laser Configuration*



*VooDoo-ML Aiming Laser Configuration*



## ZERO SHIFT

All VooDoo sights are tested for zero POA/POI Shift by firing five rounds through a 5.56 brass cartridge at 25 yards and recoil tested on SCAR Heavy.

**SOFTWARE DEFINED • HARDWARE ENABLED  
ACCURACY • PRECISION • INNOVATION**

# VooDoo-M SERIES TECHNICAL CHARACTERISTICS

## THERMAL IMAGER

|                       |                                                       |
|-----------------------|-------------------------------------------------------|
| SENSOR                | 640 x 480 Microbolometer                              |
| SPECTRAL RANGE        | 7.5 - 13.5µm (LWIR)                                   |
| PIXEL PITCH           | 12 µm                                                 |
| PIXEL FORMAT          | 640 x 480 Array                                       |
| SENSITIVITY           | <40 mK                                                |
| DIGITAL ZOOM          | 0.5x / 1x / 2x / 4x (Zero Shift/D.U.M)                |
| NUC                   | Shutterless                                           |
| FOV                   | 8° Diagonal (6.4° (H) x 4.8° (V)                      |
| MoA                   | 1 MOA w/Return-to-Zero                                |
| OPTICAL MAGNIFICATION | UNITY                                                 |
| SCOPE COMPATIBILITY   | Up to 15x                                             |
| RETICLE               | Cross-hair, GPMG, (Custom)                            |
| POLARITY              | White Hot, Black Hot, White Edge, Black Edge, Dynamic |

## LASER POINTER (OPTIONAL)

|              |                                                   |
|--------------|---------------------------------------------------|
| TYPE         | NIR (850nm); VIS Green (520nm) or Vis Red (635nm) |
| POWER        | < 0.695mW; < 35mW                                 |
| SAFETY CLASS | Class 1 LP; Class 3B HP                           |

## COMPASS

|                          |     |
|--------------------------|-----|
| DIGITAL MAGNETIC COMPASS | Yes |
|--------------------------|-----|

## DISPLAY

|              |                   |
|--------------|-------------------|
| TYPE         | OLED Monochrome   |
| RESOLUTION   | 640 x 480         |
| LIGHT GUARD  | Open Eye Cup      |
| DIOPTER      | Adjustable +/- 2D |
| REFRESH RATE | 60Hz              |

## MOUNT

|          |                                            |
|----------|--------------------------------------------|
| TYPE     | Picatinny, MIL-STD-1913 rail               |
| FEATURES | QD/Flip-to-Side, Optional Mounts Available |

## INTERFACE

|              |                                      |
|--------------|--------------------------------------|
| VIDEO FORMAT | NTSC / PAL                           |
| VIDEO TYPE   | Analog, Digital, USB-C, ATAK Capable |
| CONTROL      | Keypad and/or Optional Remote Pad    |

## ELECTRICAL

|                   |                            |
|-------------------|----------------------------|
| STARTUP TIME      | ~5sec                      |
| BATTERY           | 2 CR123A or External Power |
| BATTERY ENDURANCE | ~ 4 hrs                    |

## PHYSICAL ENVIRONMENTAL

|              |                                                                |
|--------------|----------------------------------------------------------------|
| DIMENSIONS   | 7.38"(L) X 3.54"(W) X 2.6"(H). [188MM (L) X 90MM (W) X 67MM(H) |
| WEIGHT       | ~ 28 OZ./ 800 GRAMS (NO BATTERY STANDARD MOUNT INTERFACE)      |
| OP TEMP      | -40° C TO +65° C                                               |
| STORAGE TEMP | -40° C TO +71° C METHOD 501.7/502.7 HIGH/LOW, PROCEDURE I      |
| IMMERSION    | MIL-STD-810H METHOD 512.6, 66 FT IMERSSION, 2 HR, PROCEDURE I  |
| SAND/DUST    | MIL-STD-810H METHOD 510.7 SAND & DUST, PROCEDURE I & II        |
| OPERATING    | MIL-STD-810H METHOD 501.7/502.7 HIGH/LOW, PROCEDURE II         |
| ALTITUDE     | MIL-STD-810H METHOD 500.6 LOW/STORAGE/AIR, PROCEDURE II        |
| SALT/FOG     | MIL-STD-810H METHOD 509.7, 48 HR EXPOSURE TESTING              |
| HUMIDITY     | MIL-STD-810H METHOD 507.6, 10 CYCLES @ 95%, PROCEDURE II       |

## RANGE TO TARGET



Actual range may vary depending on environmental conditions and user experience. Assumptions: Human Critical Dimension 1.7m, DRI according to Johnson Criteria, 50% probability of achieving objective at specified distance given 2° c temperature difference and 0.82 / km atmospheric attenuation factor.

IDENTIFICATION 800 Meters

RECOGNITION 1500 Meters

DETECTION 2850 Meters

## STANDARD ACCESSORIES

- BNC Cable (Video Out)
- USB Cable (Data and Image Transfer)
- Eye Cup
- BNC Coupler
- (2) CR123A Lithium Batteries
- Voodoo-M Series User Manual & Quick Reference Guide
- Wilcox QD/Flip-to-Side Mount or QD Non-Flip Mount
- Soft Carry Pouch with MOLLE Attachment (Barry Compliant)

## WEAPON SHOCK TESTED

- 5.56 WEAPONS PLATFORMS INCLUDING M249 VARIANTS
- SCAR HEAVY
- GPMG/M240 ALL VARIANTS LITE & HEAVY ROLES
- M2HB/50 BMG/.338 BOLT ACTION/.338 BELT FED

## WARRANTY

|          |                     |
|----------|---------------------|
| STANDARD | 12 Months           |
| EXTENDED | 12 Months or Custom |
| POOL     | (Call for Details)  |



VooDoo-M w/ 4-16x 34mm Day Optic at 1.54" Centerline

## VOODOO-M PART NUMBER CONFIGURATIONS

VooDoo-M Tan w/Standard Accessory Kit: P/N: 66-00210  
VooDoo-ML Tan w/Standard Accessory Kit: P/N: 66-00200  
NSN: 5855-01-691-1361

**PIXELS**  
ON TARGET

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