

# Aimpoint®

## 6XMag-1™

The Aimpoint® 6XMag-1 Magnifier is a 6X power magnifying module built to withstand the demands of professional end-users. The 6XMag-1™ can be paired with a red dot sight from Aimpoint for target acquisition at longer distances or used as a 6X hand-held monocular. This magnifier is optimized for use with the Micro T-2™, CompM4™ and CompM5™ sight models providing a clear, crisp dot under 6X magnification. Used together with the FlipMount™ or TwistMount™ by Aimpoint this magnifier attaches easily to a picatinny rail (MIL-STD-1913) with the TwistMount base. Both mounting options hold the magnifier in place behind the red dot sight on the optical axis. When no magnification is needed the magnifier can be quickly detached from the TwistMount™ or flipped to the side with the FlipMount™.

**ITEM NO.** 200272 - No mount included  
200339 - TwistMount™  
200340 - TwistMount™ & spacer (pictured)

**MAGNIFICATION** 6X

### CUSTOMIZED TO THE USER

A variable (-3 to +3) dioptic setting allows the magnifier to be adapted to the individual's eye.

### ERGONOMIC DESIGN FOR SURE GRIP

The protective rubber cover provides the ideal ergonomic grip when used as a hand-held device.

### PROFESSIONAL GRADE MONOCULAR

Submersible up to 25 m / 80 ft, fully shockproof, and can withstand temperatures ranging from -45°C to +71°C / -49°F to +160°F.

### FAST TARGET ACQUISITION

Mounts behind Aimpoint sights eliminating the need for re-zeroing when shifting between non-magnified and magnified aiming.



### INSET WINDAGE & ELEVATION ADJUSTMENT

Centering the dot within the magnifier is quick and easy with the intuitive module windage and elevation adjustments.

### EXTREMELY LIGHTWEIGHT

The magnifier weighs 250 g / 8.8 oz (magnifier only) adding minimal weight to the user's gear.

### LONG-RANGE AIMING & VIEWING

The 3-degree field of view (FOV) allows for a generous sight picture, is compatible with Aimpoint Micro T-2, CompM4 & CompM5 sight models, and all generations of night vision devices.

### VARIETY OF MOUNTING SOLUTIONS

All 6XMag-1 magnifier configurations with included mounting solution comes with the Aimpoint® TwistMount that attaches easily to a picatinny rail (MIL-STD-1913). The magnifier is also compatible with other 30 mm scope ring mounts.



## TECHNICAL SPECIFICATIONS

### OPTICAL SPECIFICATIONS

**Magnification:** 6X

**NVD Compatible:** Yes

**Eye Relief:** 70 mm / 2.8 in

**Exit Pupil:** 3.3 mm / 0.13 in

**Dioptic adjustment:**  $\pm 3.0$  D

**Field of View (FoV):** 3°

**Transmission:** Average 75% (photopic, integral transmission)

### PHYSICAL SPECIFICATIONS

**Size L x W x H (magnifier only):**

151 x 47 x 43 mm / 6.0 x 1.9 x 1.7 in

**Weight (magnifier only):** 250 g / 8.8 oz

**Housing Color:** Matte grey to black

**Housing Surface Finish:** Hard anodized, matte, with protective rubber armor cover

**Housing Material:** Aluminum

**Material Mounts & Spacers:** Aluminum

**Lens Covers:** Not Included

**Tube Diameter:** 30 mm / 1.2 in

**Height of Optical Axis:**

Measured from top surface of mounting platform

# 200339: 30 mm / 1.2 in (TwistMount™)

# 200340: 39 mm / 1.5 in (TwistMount™ & spacer)

### ENVIRONMENTAL SPECIFICATIONS

**Submersible:** 25 m / 80 ft

**Temperature Range Operation:**

-45°C to +71°C / -49°F to +160°F

**Temperature Range Storage:**

-45°C to +71°C / -49°F to +160°F

**Temperature Shock:** Operable after a temperature shock between -40°C to +55°C / -40°F to +131°F

**Humidity:** Operable during and after Humidity. Limits: RH: 95%, Temp: +20°C to +50°C / +68°F to +122°F, cyclic

**Shock:** Withstands shock. Limits X-axis: 500 g, 0.7 – 1.1 ms (3 shocks), Y-axis: 40g  $\pm$ 4g, 11  $\pm$ 1 ms (2 shocks) in each direction, Z-axis: 40g  $\pm$ 4 g, 11  $\pm$ 1ms, 2 shocks in each direction.

**Vibration:** Withstands Vibration. Limits: Vibration, sinusoidal in a frequency range of 10-150 Hz. Frequency: 10-30 Hz,  $\pm$ 1.587 mm, Frequency: 30-150 Hz. 5.75 g, 1 octave/min. Direction: X, Y and Z, Time: 30 min/direction.

**Other Environmental Specifications:** Salt fog: 5 % NaCl solution at a temperature of 35°C / 95°F