

## **AB NightVision Inc**

*When Quality Counts*

# RVM-14 Night Vision Monocular



The **RVM-14** monocular housing is billet machined from 7075 aircraft grade aluminum and designed to handle challenging real-world environments. The housing design accepts standard mil-spec PVS-14 lenses, or lightweight RPO lenses.

The monocular features a side mounting area to accept PVS-14 accessories and mounts with a standard ¼-20 thread. Two monos can also be attached to a bridge mount (RVM-14 Bridge) in a binocular configuration with the small dovetail incorporated into the top of the housing, or the dovetail can be used with the RVM-14 Arm for single mono use. Both the Arm and Bridge are articulating to lay back against the helmet when in the stowed position.

The monocular design features a rotary switch that doubles as gain adjustment. The switch initially turns the tube on at full brightness, then dims the MX-11769 image intensifier tube as the knob is rotated

further. The unit includes an onboard infrared illuminator activated by a push button switch on the front of the unit. The button is surrounded by a protective fence to prevent accidental activation. Indicators on the edge of the viewing area show if the IR LED is actively on, or if the unit detects a low battery.

The weight of the unit with standard mil-spec lenses and a CR123 battery is 300 grams. The approximate battery life at room temperature is 75 hours. The RVM-14 weighs 15% less than a typical single AA PVS-14 with a 50% longer battery life and has a much tougher housing.

The monocular is available in Flat Black and Flat Dark Earth. The components of the monocular are media blasted to give a non-reflective matte finish, then black anodized for durability. For the FDE option, Cerakote, a proven firearms finish, is applied over the anodizing to give a tough, attractive finish.

### **Specifications:**

POWER SOURCE:	(1) CR123 SIZE BATTERY
FOCUS RANGE:	9.8" TO INFINITY
OPERATION TIME:	APPROXIMATELY 75 HOURS AT ROOM TEMPERATURE
MAGNIFICATION:	(1X) ONE POWER
FIELD OF VIEW:	40 DEGREES
DIOPTER ADJUSTMENT:	-6 TO +2
EYE RELIEF:	25MM
WEIGHT:	300g with std Mil-spec optics and battery
DIMENSIONS:	2.0" X 2.6" X 4.2"
IR ILLUMINATOR:	BUILT IN
WATER RESISTANCE:	SUBMERSIBLE TO 66 FT
IR LED & LOW BATTERY INDICATORS:	YES
INTENSIFIER TUBES:	COMPATIBLE WITH MX-11769 STYLE
OPTICS:	COMPATIBLE WITH PVS-14 EYEPIECE AND OBJECTIVE
WARRANTY:	5 YEARS ON HOUSING PARTS AND SERVICE PER POLICY SEE WEBSITE FOR MORE DETAILS