



BMNVDG NIGHT VISION BINOCULAR/MONOCULAR



SPECIFICATIONS

POWER SOURCE:	(1) CR123 BATTERY
BATTERY LIFE:	40 HOURS
FOCUS RANGE:	9.8" TO INFINITY
SUBMERSIBLE:	66 FEET
MAGNIFICATION:	ONE POWER (1X)
FIELD OF VIEW:	40°
DIOPTR ADJUSTMENT:	-6 TO +2 DIOPTERS
EYE RELIEF:	25MM
WEIGHT (W/O) BATTERY):	24.7 OZ (700 G)
DIMENSIONS:	4.4" X 4.96" X 3.2"

FEATURES

- » TEN YEAR WARRANTY
- » IMAGE INTENSIFIERS - MX11769
- » PVS-14 MIL SPEC OPTICS
- » DOVETAIL MOUNTING OPTION
- » WATERPROOF TO 66 FEET
- » IR LED & LOW BATTERY INDICATOR

The **NVD Binocular/Monocular Night Vision Device with Gain Control (BMNVDG)** is a revolutionary new concept that combines all the best features of a monocular and binocular device into one fully functional night vision product. Prior to the BMNVDG, most bridge type designs attempted to combine two independent monocular systems into a bridge in order to make them into a binocular. This required the use of two fully functioning monocular systems such as two PVS-14s. Although this concept worked, there are drawbacks to this method, some of which are serious. These include an inability to collimate the binocular system and being extremely heavy due to the redundancy of having dual batteries, circuit boards and large amounts of plastic housing material which is required by each monocular, but would otherwise be unnecessary in a true binocular design.

The BMNVDG overcomes these issues by attaching the monocular housings to the bridge. These monoculars then draw all power directly from the bridge. When a monocular is needed to be used individually, you simply press a button, slide the monocular off the bridge, and then slide the power pack onto the monocular housing, which converts the monocular housing into a fully functional standalone night vision monocular that can be handheld, head, helmet or weapon mounted, using the same adapters and mount as the AN/PVS-14. The disassembly and reassembly process from binocular to monocular can be completed in less than one minute.

The BMNVDG incorporates Gain Control. Each monocular has an independent gain control knob to allow the user to adjust the tube brightness (gain) lower to compensate for overly bright conditions or to increase the gain under extreme dark conditions. The gain can be adjusted when used as a binocular or as two individual monoculars.

The BMNVDG utilizes MIL SPEC AN/PVS-14 optics and accessories, which makes for a truly affordable high quality system. Two PVS-14s can be easily converted into a BMNVDG, which will allow the 14s to still be utilized for every application that the AN/PVS-14 does, and will also allow them to be used as a true dual tube goggle, which is lightweight, fully collimated and nitrogen purged.

The BMNVDG operates on a CR-123 battery and is available without gain control. Each piece can be purchased separately or together as a kit. Please contact us if you have any questions or need additional information.

BMNVDG NIGHT VISION BINOCULAR/MONOCULAR



BMNVDG Monocular Assembly



BMNVDG Powerpack



BMNVDG Bridge



BMNVDG Kit

STANDARD ACCESSORIES

BMNVDG with Tube/System Data Sheet, Bridge Assembly, Two Monocular Assemblies, Two Monocular Powerpacks, Custom Padded Soft Case, IR Spot/Flood Lens, Operator's Card, Lens Caps, Neckcord, Eyecups, Weapon Mount, Shuttered Eyeguard, Wilcox Dovetail J-arm, Demist Shields, Sacrificial Windows, Lens Tissue, and 2 CR-123 Batteries.

BMNVDG SYSTEM PERFORMANCE

MODEL NUMBER:	ULTRA	VG	YG	HP+	P+	P	WHP	WP	XLS
POWER SUPPLY:	PINNACLE	PINNACLE	PINNACLE	PINNACLE	PINNACLE	PINNACLE	PINNACLE	PINNACLE	NON GATED
EBI:	2.5 MAX	2.5 MAX	2.5 MAX	2.5 MAX	2.5 MAX	2.5 MAX	2.5 MAX	2.5 MAX	2.5 MAX
PHOTOCATHODE RESPONSE:	2200 MIN.	2000 MIN.	1800 MIN.	2200 MIN.	1750 MIN.	1350 MIN.	2200 MIN.	1350 MIN.	1350 MIN.
SIGNAL TO NOISE RATIO:	25.0 MIN.	25.0 MIN.	25.0 MIN.	25.0 MIN.	20.0 MIN.	16.2 MIN.	25 MIN.	16.2 MIN.	16.2 MIN.
RESOLUTION:	64 LP/ MM MIN.	64 LP/ MM MIN.	64 LP/ MM MIN.	64 LP/ MM MIN.	64 LP/ MM MIN.	57 LP/ MM MIN.	64 LP/ MM MIN.	57 LP/ MM MIN.	57 LP/ MM MIN.