



BMNVD 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°
DIOPTER ADJUSTMENT:	-6 TO +2 DIOPTERS
EYE RELIEF:	25MM
WEIGHT (W/ BATTERY):	21.4 OZ (605 G)
DIMENSIONS:	4.4" X 4.96" X 3.2"

FEATURES

- » TEN YEAR WARRANTY
- » IMAGE INTENSIFIERS - MX10160
- » PVS-14 MIL SPEC OPTICS
- » DOVETAIL MOUNTING OPTION
- » IR LED & LOW BATTERY INDICATOR
- » WATERPROOF TO 66 FEET

The **NVD Binocular/Monocular Night Vision Device (BMNVD)** is a revolutionary new concept which combines all the best features of a monocular and binocular device into one fully functional night vision product.

Prior to the BMNVD, 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 unneeded in a true binocular design.

The BMNVD overcomes these issues by attaching two 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 which can be hand held, head, helmet, or weapon mounted, using the same adapters and mounts as the AN/PVS-14. The dis-assembly and reassembly process from Binocular to monocular can be completed in less than one minute.

The BMNVD also utilizes MIL SPEC AN/PVS-14 optics and accessories, which make for a truly affordable high quality system, and two PVS-14s can be easily converted into a BMNVD, which will allow the 14s to still be utilized for every application which the AN/PVS-14 is used for now, and will also allow them to be used as a true dual tube goggle, which is light weight, fully collimated and nitrogen purged. The BMNVD product line also runs on a CR-123 battery which delivers more than 40 hours of use.

The BMNVD is available both with and without gain control. Please contact us if you have any questions or need additional information.

BMNVD NIGHT VISION BINOCULAR/MONOCULAR



BMNVD Monocular Assembly



BMNVD Powerpack



BMNVD Bridge



BMNVD Kit

STANDARD ACCESSORIES

BMNVD 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.

BMNVD 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:	2400 MIN.	2200 MIN.	1800 MIN.	2200 MIN.	1750 MIN.	1350 MIN.	2200 MIN.	1350 MIN.	1350 MIN.
SIGNAL TO NOISE RATIO:	30.0 MIN.	28.0 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.