



Britannia Defence Systems Limited

Designers, Manufacturers & Integrators of Specialist
Surveillance Systems and Equipment

PBS-23

Night Vision Multi Purpose Mini Monocular

Features



Light Weight & Small Size

Multi Use Design

Mil. Spec. Fast Optical Lenses

Image Intensifier Tubes: Gen2+, Gen3, SuperGen™,

XD-4™, XR-5™ or "ONYX"

"ONYX" has the following specs:

Very Sensitive to Infrared

High Performance

High Resolution 45-73* 1p/mm

High SNR: 16-28*

Small Halo*

Auto Gated*

"White Phosphor" Photocathode*

* with Selected IIT

Description

Dual Bridge mounting bracket allows transferring two pieces of NVM001 monocular into binoculars-goggles PBS-23. Depth perception of such a "dual tube" device allows using this set for operating various machines, boats, aircrafts etc., in addition to basic ground operations. The fact is that a "dual tube" night vision optical system has proved to be more effective and safe for low light conditions compared to a "pseudo binocular" system, commonly known as "PVS-7, which is a "one lens-two eyes" type of NVD. The crucial issue in modern military is "survivability" of a soldier. Therefore, PBS-23 is considered as the most favourable night vision goggles in new procurements regardless the highest cost.

Options

UBX™ Ultimate Battery Extender
Dual Bridge Mounting Brackets (2 types)
Shuttered, Self Closing Eye Guard
ACH/PASGT Helmet Mount
PBS-7 Type Helmet Mount

3X Magnification Lenses
Quick Release Weapon Mount
Daytime Scope Attachment
Laser Aiming/Illuminating Device



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Specifications

Magnification:	1X
Lens System:	26mm f1.2
Field of View:	40°
Range of Focus:	From 25mm to infinity
Diopter Adjustment:	+6/-4
Waterproof, submersible:	Up to 20m
Built in Infrared Illuminator	Yes, short range
Batteries Type:	CR123 or AA
Battery Life (standard version):	40+ hours
Battery Life (UBX™ equipped):	80+ hours
NVM001 Weight:	260 grams
NVM001 Dimensions:	116 x 65 x 50mm
PBS-23 Weight:	670 grams
PBS-23 Dimensions:	116 x 125 x 65mm
Operating Temp:	-40°C to +50°C