



Britannia Defence Systems Limited

Designers, Manufacturers & Integrators of Specialist
Surveillance Systems and Equipment

PBS-7

Night Vision Goggles Binoculars



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

PBS-7 is "single tube, dual eye" the most common optical concept Night Vision goggles that is similar to the well known in Industry AN/PVS-7 system . Utilizing latest starlight technology its compact and ergonomic design includes built-in three stage Infrared illuminator i.e. Short-Medium-Long range of illumination. An Infrared indicator and low battery warning is fibre optically displayed within the user's field of view. Fully adjustable, padded Headgear allows the device to be flipped-up or quickly detached from the mask. Optional 3X, 7X or 10X magnification multicoated lens will convert this device into a high performance long range binoculars. Night Vision Goggles PBS-7 lightweight, fully submersible, rugged, precisely built and easy to use. To guaranty unbeatable performance in the most extreme and darkest environments we equip device with high performance Gen. 2+, SuperGen, XD-4™, XD-4™ AutoGated or XR-5™ Image Intensifier Tubes.



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Options

UBX™ Ultimate Battery Extender
PBS-7 Type “flip-up” Helmet Mount
PBS-7 Type “flip-up” Head Gear
“Snap on” lens magnification 3X
Magnification Lens: 4X, 7X or 10X
Shuttered, Self Closing Eye Guards
Laser Aiming/Illuminating Devices
Heavy Duty Tripod (when 10X used)
Heavy Duty “Pelican” Case

Optical Features

Magnification:	1X	3X	7X	10X
Field of View:	40°	10°	5°	3°
Lens Size (mm):	26	100	165	205
Lens “f” Number:	1.1	1.4	1.7	2.0
Detection range of Human figure size object, quarter moon, XD4 IIT used (m)	150	250	500	700
Detection range of vehicle size object, quarter moon, XD4 IIT used (m)	250	400	700	1000

Specifications

Magnification:	1X
Field of View:	40°
Range of Focus:	From 25mm to infinity
Diopter Adjustment:	+6/-4
Interpupillary Adjustment:	54-76mm
Waterproof, submersible:	1 Hour for up to 1m
Built in Infrared Illuminator	3 stage
Batteries Type:	2 pcs. AA
Battery Life (standard version):	50+ hours
Battery Life (UBX™ equipped):	150+ hours
Weight:	410 grams
Dimensions:	145 x 140 x 70mm
Operating Temp:	-40°C to +50°C