



Defence & Security
Products Division

PNP- Night Vision Monocular System



PNP Night Vision Monocular

As one of the leading manufacturers of Night Vision products in the U.K. we can offer Night Vision in many guises.

The Pyser-SGI PNP range is an image intensifier monocular night scope which incorporates the latest technology in a compact body. The cost effective unit is compatible with SLR still cameras and palm-corders for evidence gathering in low-light conditions. The PNP night vision scope is fully waterproof and also has waterproof and zoom lens options. Available in Generation 2 plus, HyperGen, XD-4, XR5 and XH72.



Standard Specification

Optical

Magnification	2x (other lenses available)
Field of view	20° (33 metres at 100 metres) (with standard 50mm lens)
Objective lenses	
Mounting type	"C" mount (1"-32 TPI) interchangeable
Standard lens	50mm, F1.4, 1 inch format
Lens options	A complete range of 1 inch "C"mount lenses including zoom, tele and wide-angle
Eyepiece	
Eye relief	25mm
Dioptre adjustment	+2 to -6 dioptre
Eye-guard	Flexible rubber, removable for camera/camcorder adaptor mounting
Mounting thread	M28 x 1.25

Electrical

Power source	Twin 1.5V "AA" size alkaline batteries
Operating time	Minimum 112 hours (viewing), 31 hours minimum (viewing with infra red illuminator)
IR source	IR LED
Output wavelength	880nm
Output power	20mW/sr

Physical

Dimensions (Body only)	100 (L) x 50 (W) x 63mm (H)
with 50mm lens (2x)	150 (L) x 50 (W) x 63mm (H)
Weight	395 gms. (without batteries & objective lens)
Standard lens (2x mag)	203gms.
Waterproof (body only)	To IP67 (1metre for 30 minutes)
Waterproof lens (2x mag)	183gms.
Tripod mount	Standard 1/4" UNC threading
Construction	Black, anodised aluminium with rubber armoured finish
Operating switch	Rotary-type three-position: OFF, ON, IR (Infra red illuminator)

System Description

PNP- is a powerful, multi-purpose pocket-sized monocular night scope. The pocket scope is designed to be used either as a stand-alone night vision device or in combination with a wide variety of standard video, still-photo or CCTV equipment.

Ideally suited for covert night-time observation and intelligence-gathering purposes using standard photographic media, as well as an effective aid to night-time field missions.

PNP- employs an image intensifier tube characterized by high resolution and a clear, bright image. It is equipped with its own IR LED - type illuminator, which provides additional, close-range covert illumination, when ambient light is insufficient - especially effective inside buildings etc. A unique feature is the standard "C" mount for the objective lens, enabling standard CCTV camera lenses to be used. Special purpose adaptors enable the PNP- to be mounted onto a wide variety of 35mm SLR and video cameras (including CCTV cameras). Thus, standard photographic equipment can be quickly turned into powerful, effective night-time devices, dramatically enhancing your intelligence gathering and observation capability.



PNP Versatile Night Vision System

Gen 2+ XD-4 HyperGen XR5 XH72

PARAMETER (Typical values)	UNITS	TUBE COMPARISON CHART				
		2+	XD-4	HG	XH72	XR5
**Sensitivity	μA/lm	450	500-650	700 (min)	700-min	800
Limiting Resolution	lp/mm	40	60-68	60	(min) 68	70
Wavelength band	nm	350 - 900	350 - 900	350 - 900	350 - 900	350 - 900
Format	mm	18	18	18	18	18



PNP/CCTV Camera



PNP/Zoom Lens



PNP/Camcorder



PNP



PNP/Waterproof Lens



PNP/Helmet Mount



PNP/Spotting Scope



PNP/SLR



PNP/Head Harness

Ordering Information

PNP- Standard Specification

PNP- pocket scope	2x 1.5V "AA" size batteries
Eye-guard	Operator's manual
50mm F1.4 objective lens	37mm camcorder adaptor
Carrying pouch	49mm SLR adaptor

PNP series incl 50mm lens (2 x magnification)

Part No.	Model	Tube
589-764	PNP 2+	Generation 2+
589-765	PNP XD-4	Generation XD-4
589-766	PNP HG	Generation HyperGen
589-851	PNP XR5	Generation XR5
589-852	PNP XH72	Generation XH72



PNP series incl Waterproof 50mm lens (2 x magnification)

Part No.	Model	Tube
589-764/W	PNP 2+	Generation 2+
589-765/W	PNP XD-4	Generation XD-4
589-766/W	PNP HG	Generation HyperGen
589-851/W	PNP XR5	Generation XR5
589-852/W	PNP XH72	Generation XH72



Optional Extras

103-252	25mm lens 1 x mag
103-751	75mm lens 3 x mag
103-665	Waterproof 25mm F1.3 lens 1 x mag
103-666	Waterproof 50mm F1.4 lens 2 x mag
103-667	Waterproof 75mm F1.4 lens 3 x mag
103-668	Waterproof 150mm F2.8 lens 6 x mag
150-011	Zoom 16mm - 96mm 6 x zoom ratio 0.75 to 4 x mag
150-012	Shuttered eyeguard for all PNP models
550-006	Head harness
550-000	Helmet mount
FBS-034	Hermetic hard carrying case with foam insert
589-855	Lanyard
550-003	Relay lens to allow PNP to be used with CCTV camera



Also available from Pyser-SGI

PNG 2+ Night Vision Goggles



Various generations of night vision goggles

NIM Night Intensifier Module



Night intensification module available in all tubes above

TIU2 Thermal Imaging Unit



Thermal Surveillance CCTV camera

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Visit our website on www.pyser-sgi.com for further information on the complete range of products available from Pyser-SGI Limited.



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