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Defence & Security Products Division

PNG-M

The world's smallest and lightest night vision goggle

NSN 5855 99 671 5304

The Pyser-SGI PNG-M night vision goggle system is a compact ultra lightweight, high resolution twin eyepiece device incorporating superior optics. The unit is supplied with a head mount complete with auto off / auto on flip up capability and is easy to use, requiring only one standard "AA" size battery. The PNG-M series of goggles meets the night vision needs of military and law enforcement forces around the globe, utilises the very latest in tube technology and is available with a wide range of accessories.



- Multi element all-glass coated optics
- Waterproof 20m for 1 hour
- Field of view 40°
- Focus range 0.25m - ∞
- Magnification 1x
- Optional 3x magnification
- Compact and reliable
- Flip-up/auto switch off
- Flip-down/auto switch on, with no reset needed
- Built in powerful IR illuminator
- Eye relief 25mm
- Dioptre +2 to -6
- Interpupillary adjustment
- Battery life 40 hours (without IR)
- Power supply 1 x "AA" size
- Size 137mm x 51mm x 142mm
- Weight 425g including battery
- Yellow LED low battery indicator in eyepiece
- Red LED IR-On indicator in eyepiece
- Bright light and daylight protection

PNG-M Night Vision Goggles

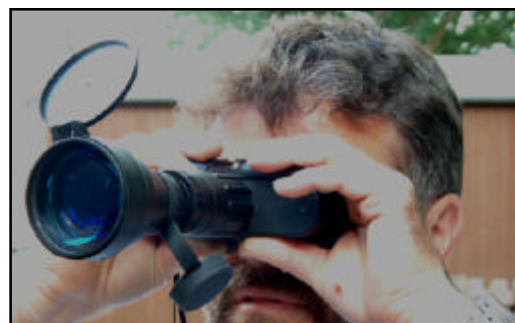
Technical Specifications

Magnification:	1x
Field of View:	40°
Focus Range:	0.25m - infinity
Objective focal length	25mm
Objective F number:	F1.19
Dioptric Correction:	+2 to -6
Eyepiece lens:	16mm glass aperture
Interpupillary adjustment:	55mm - 75mm
Operating Temperature:	-45°C to +55°C
Storage Temperature	-51°C to +65°C
Power Supply:	1 x "AA" Battery or "AA" size L91 Lithium or "AA" 1.2V rechargeable
Battery Life, :	In excess of 40 hours (commercial "AA")
Dimensions, mm:	L137mm x H51mm x W142mm
Weight:	425g including battery and lens cap
Waterproof:	Immersion proof 20 m 1hr, nitrogen filled
Construction:	Moulded glass filled polymer

Components

PNG-M is supplied with the following components:

Name	Quantity
PNG-M Unit	1
Head Harness - Flip up	1
Manual	1
Soft Carrying Case	1
AA Battery	1



3 x mag lens

Part No.	PNG-M Night Vision Goggles
589-1002+*	PNG-M 2+ high resolution night vision goggle with 1x magnification lens, including flip up head harness, NSN 5855-99-671-5304
589-100XD4*	PNG-M XD-4 high resolution night vision goggle with 1x magnification lens, including flip up head harness, NSN 5855-99-671-5304
589-100XD4AG*	PNG-M XD-4 (autogated tube) high resolution night vision goggle with 1x magnification lens including flip up head harness, NSN 5855-99-671-5304
589-100XR5*	PNG-M XR5 high resolution night vision goggle with 1x magnification lens, including flip up head harness, NSN 5855-99-671-5304
589-100XR5AG*	PNG-M XR5 (autogated tube) high resolution night vision goggle with 1x magnification lens, including flip up head harness, NSN 5855-99-671-5304
589-100XH72*	PNG-M XH72 high resolution night vision goggle with 1x magnification lens, including flip up head harness, NSN 5855-99-671-5304
589-100XH72AG*	PNG-M XH72 (autogated tube) high resolution night vision goggle with 1x magnification lens, including flip up head harness, NSN 5855-99-671-5304
Accessories for PNG-M	
550-006D	Helmet mount for PNG-M Night Vision Goggle, NSN 5340-99-260-8769
103-751M	3x magnification lens, NSN 6650-99-391-2185
550-003F	Relay lens for use with CCTV camera, NSN 5836-99-366-5780
550-007	Shuttered eyeguard, NSN 6650-99-789-6513
560-007-009	Sacrificial filter for objective lens, NSN 6650-99-997-5759
560-007-010	Anti-mist filter for eyepiece, NSN 6650-99-731-1262
560-011	12v car cigarette plug/lead, 2outputs (needs 560-012), powers PNG-M from vehicle Adaptors available for all camcorders, cameras, and spotting scopes



Flip up/auto off/ and
flip down/auto on



PNG-M can be fitted to any
camcorder/camera/
CCTV camera

Typical Values <i>(Information source Photonis)</i>	TUBE COMPARISON CHART			
	Gen 2+	XD-4	XH72	XR5
Sensitivity (µA/lm)	450	700	800	800
Resolution (lp/mm)	32	64	76	72
Signal to Noise ratio	15	23	24	28
Figure of Merit (FOM) Typical	480	1472	1824	2016

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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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