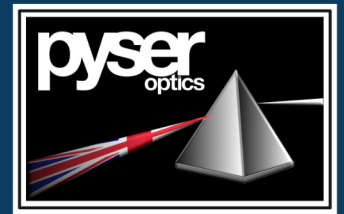


# PNP-M

## NIGHT VISION MONOCULAR



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### *Engineered with the highest grade optics*

Over thirty years of experience in the design, development and manufacture of night vision monoculars. The PNP-M uses a single commercial "AA" battery for lightweight which gives at least 40 hours operation. High quality multi element coated glass optics provide maximum image quality and the entire monocular body, electronics and optics are filled with dry nitrogen for ultimate reliability in all missions and operational scenarios.

- Compact, lightweight, rugged and versatile
- Comprehensive range of image intensified tube options
- Hand-held, head or helmet mounted, monocular or binocular set-up
- 40+ hours battery life (1x AA battery)
- Maximum image quality



# TECHNICAL SPECIFICATIONS

## Physical

<b>Dimensions:</b>	42mm wide x 67mm high x 107mm long (with folded eye cup)
<b>Weight:</b>	263 gms without battery 278 gms with Lithium "AA" battery 288 gms with commercial "AA" battery <i>Weight includes eye cup and lens cap</i>
<b>Eyeguard:</b>	Moulded rubber, fold back or optional de-mist shield

## Optics

<b>Magnification:</b>	1x (with x3 and x5 options)
<b>Field of view:</b>	40 degrees
<b>Focus range (m):</b>	0.25 to infinity
<b>Objective focal length:</b>	25mm
<b>Objective F Number:</b>	F1.19
<b>Dioptre adjustment:</b>	+5 to -6 minimum
<b>Eyepiece lens:</b>	25mm glass aperature
<b>Eye relief:</b>	25mm

## Environmental

<b>Ingress:</b>	IP68 Nitrogen filled
<b>Temperature:</b>	<ul style="list-style-type: none"> <li>• Operation: -40°C to +55°C</li> <li>• Storage: -51°C to +65°C</li> </ul>

## Electrical

<b>Power source:</b>	Single 1.5v "AA" battery or 1.5v "AA" Lithium type (NSN 6135 01 333 6101) or 1.2v "AA" size rechargeable
<b>Battery life:</b>	In excess of 40 - 100 hours dependent on tube & battery type
<b>IR on indicator:</b>	Red LED in Eyepiece

## Figure of Merit Value (Min)

<u>Model</u>	<u>PNP-M 1600</u>	<u>PNP-M 1800</u>	<u>PNP-MXR5A</u>	<u>PNP-M 4G</u>
	1600	2000	1472	1800

## Tube Spot Specification

Spots Diameter in Micrometers	1600 & 1800			XR5A & 4G		
	Zone 1 Dia 5.6mm	Zone 2 Dia. 5.6mm-14mm	Zone 3 Dia.14.7mm-17.0mm	Zone 1 Dia 5.6mm	Zone 2 Dia. 5.6mm-14mm	Zone 3 Dia.14.7mm-17.0mm
> 300	0	0	0	0	0	0
230-300	0	1	2	0	0	0
150-230	1	2	4	0	1	1
75-150	2	4	6	0	2	2
< 75				Minimal	Minimal	Minimal

All specifications and designs correct at the time of publishing but may change in the future for product upgrade and improvements.

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All goods are supplied under our standard conditions of trade

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