

PVS-14 NIGHT VISION MONOCULAR CKS1400



The Carson Industries AN/PVS-14 Night Vision Monocular provides the user with an integrated set of components fitted with the customer specified Image Intensifier Tubes.

Carson Industries' rugged yet lightweight AN/PVS-14 can be hand held, helmet mounted, or head-strap mounted. Key features include an automatic highlight cutoff, an infrared illuminator, an IR-On indicator, and low voltage indicator. A broad range of user requirements can be achieved by combining Carson Industries' variety of available accessories with the standard kit components.

All components and accessories are manufactured, assembled, and tested in accordance with all applicable US Military specifications.



STANDARD SYSTEM COMPONENTS

- Monocular Assembly
- Demist Shield
- Sacrificial Window
- Dust Cap
- Eyecup

STANDARD ACCESSORIES

- Head Mount Assembly
- Head/Helmet Mount Adapter
- Carry Case with Shoulder Strap
- Rigid Storage Case
- Operator Manual
- Cleaning Kit

OPTIONAL ACCESSORIES

- 3X or 5X Afocal Attachment Lens
- Helmet Mount Assembly
- Small Arms Weapon Mount

TECHNICAL SPECIFICATIONS

Spectral Response	Visible to 0.90 μm
(IR) Field of View	40° nominal
Magnification	Unity
Focus Range	25 cm to infinity
Diopter Adjustment	+2 to -6 diopters
Battery Type	1 AA Battery
Weight	355 grams
Immersion	1m
Operating Temp Range	-51°C to +49°C
Storage Temp Range	-51°C to +85°C

This item is subject to the restrictions of the ITAR and may not be exported without a valid export license issued by the US Department of State.

IMAGE INTENSIFIER OPTIONS

SPECIFICATION	M16H	M18H	M20H
Power Supply	Auto-gated	Auto-gated	Auto-gated
FOM (max)	1600	1800	2000
Resolution (min)	64 lp/mm	64 lp/mm	64 lp/mm
Signal to Noise Ratio	21.8—25.0	25.0—28.1	28.1—31.2
Photocathode Response (min)	1500	1800	2000
Max Spots Allowed in Each Zone	Zone	Zone	Zone
Spot Size (in)	1 2 3	1 2 3	1 2 3
>.012—.015	0 0 0	0 0 0	0 0 0
>.009—.012	0 0 0	0 0 0	0 0 0
>.006—.009	0 1 1	0 1 1	0 1 1
>.003—.006	0 2 2	0 2 2	0 2 2



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