

NIGHT VISION MONOCULAR

MNV-SR



The headmount assembly allows to adjust device over eyes and flip up/down design makes it possible to set device in a vertical position



- Ultralight weight
- High-quality optics. lens F#1.2
- Operating mode switch and batteries compartment cover are easy to use even when operating in gloves
- Manual gain control that enables the user to increase or decrease image tube brightness for greater viewing contrast in varying light conditions
- Angle of IR illumination totally assures field of view illumination uniformity (controlled at the assembling)
- The monocular is corrosion resistant body
- "Low battery" and "IR-on" indicators are displayed in the user's field of view
- Possible mounting on a right/left side
- On request NVD can be equipped with Autogating Power Supply Unit that enables the use of the device at relatively high light levels without system turn off

NIGHT VISION MONOCULAR MNV-SR enables to conduct visual observation at night time, night land navigation, night sea navigation in starlight viewing conditions. MNV-SR can be used for military and critical missions, night patrolling and site protection, and night air navigation; at rescue and emergency operations. It is possible to use monocular for cross-country navigation with no white light illumination at night time.



JSC «KATOD»
3 Padunskaya st., 630047, Novosibirsk, Russia
T.: +7 (383) 227 22 00, F.: +7 (383) 227 21 50
E-mail: info@katodnv.com, sales@katodnv.com
www.katodnv.com

DARKNESS. PROFESSIONAL APPROACH.

Quality management system
GOST ISO 9001-2008
GOST RV 15.002-2003, AQAP 2110

Optical parameters		
Identification range of human body*, m		240-260
Magnification		1
Angular field of view, degree		40
Focus range, m		from 0,15 to infinity
Diopter Adjustment		from -6 to +5
Output pupil diameter, mm		20
Output pupil relief, mm		25
Energy parameters		
Supply voltage, V		1,5-3
Type and quantity of energy sources		one element AA or CR123
Active performance period without IR illumination, min, hours	CR123	40
	AA	20
Active performance period with IR illumination, min, hours	CR123	20
	AA	10
Global parameters		
Dimensions, mm		104 x 49 x 69
Monocular weight without batteries, g		from 254
Bag weight, g		250

* Identification range of human body is defined by IIT type and generation and depends on weather or viewing conditions and other factors.

IIT parameters

Type	EPM132G-11-11RA	EPM101G-01-11RS	EPM101G-01-11RF
Generation	2+	3	
Resolution, lp/mm, min	57	64	68
Signal to noise ratio, min	19	24	27
Luminous photocathode sensitivity, mkA/lm, min	540	1800	2000
MTTF, h	10 000		

Standard set:

- Night Vision Monocular
- Head mount
- Carrying bag
- "Swing arm" mount
- Lens paper
- Operator's manual

Ambient conditions:

- Operating Temperature Range from minus 50°C to plus 55°C.
- Relative Humidity at 25°C - 98%.
- Shock resistance 5g.
- Immersion 0.5 m (30 minutes).

Accessories:

- Weapon mount
- Helment mount
- NVS bridge
- NVS flip-flop mount
- Protective device from long bright light-striking («off» at E>40lx, in 60 sec)
- Adapters for photo-video cameras
- Adapter for applying PVS type head-strap masks
- Demist shield
- Sacrificial window