

NIGHT VISION MONOCULAR

MNV-KR



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



- Equipped with 2+ SuperGen or 3 Gen Image Intensifier Tube, power supply with built-in bright flash protection
- On request NVD can be equipped with the Autogating Power Supply Unit that enables the use of the device at relatively high light levels without system turn off
- External gain control option for more comfortable observation
- Compact and lightweight, the monocular can be head-mounted or camera adapted
- Operating mode switch and batteries compartment cover are easy to use even when operating in gloves
- Angle of IR illumination totally assures field of view illumination uniformity (controlled at the assembling)
- Corrosion-proof and water-proof design
- "Low battery" and "IR-on" indicators are displayed in the user's field of view

NIGHT VISION MONOCULAR MNV-KR is a high quality commercial night vision unit. The monoculars of MNV-KR series are comprised of 2+ SuperGen or 3 Gen Image intensifier tubes produced by JSC "Katod". These premium Night Vision Monoculars are enhanced with external adjustment gain control option.

Each unit is equipped with gain control knob enabling the user to adjust the tube brightness (gain) fore more comfortable observation in accordance with personal preferences.

Among the main advantages of MNV-KR are: light weight, easy-to-use design and full list of accessories.



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DARKNESS. PROFESSIONAL APPROACH.

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



KATOD

NIGHT VISION MONOCULAR MNV-KR

3^x objective5^x objective3^x afocal attachment lens

The high quality 3x and 5x screw on objective lenses, filled with nitrogen.
Can be replaced in field conditions.

Easily snaps on to the objective lens
and provides 3x magnification.

MNV-KR type	MNV-KR with 1 ^x objective	MNV-KR with 3 ^x objective	MNV-KR with 5 ^x objective
Optical parameters			
Identification range of human body*, m	220-240	320-350	450-500
Magnification	1	3	5
Angular field of view, degree	40±2	12,4±0,6	8,0±0,4
Focus range, m	from 0,25 to infinity	from 10 to infinity	
Diopter Adjustment	from -6 to +2		
Output pupil diameter, mm	20		
Output pupil relief, mm	25		
Energy parametrs			
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	118 x 48 x 69	184 x Ø60 x 70	165 x Ø84 x 90
Monocular weight without batteries, g	350	610	670
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 parametrs	EPM132G-11-11A	EPM101G-01-11S	EPM101G-01-11F
Type			
Generation	2+	3	
Resolution, lp/mm, min	57	64	68
Signal to noise ratio, min	19	24	27
Luminous photocathode sensitivity, mA/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:

- 3^x and 5^x magnifier lens
- 3^x attachment lens
- Weapon mount
- Helmet 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