

K O F L A R

N I G H T S Y S T E M S

Noerreagaardsvej 283, 2610 Roedovre, Denmark • +45 29760499 • info@nightvision.dk • www.nightvision.dk

Night Vision Monocular KOF-2, generation 2+ / 3

The KOF-2 (PVS14) night vision monocular series has been proven in deployments in conflict zones and by peacekeepers around the world. The model contains advanced Gen 2+ or 3 image intensifier tube, with minimum FOM at 1800 for gen 3 and feature auto-gated configuration for customer preference.

The KOF-2 series monoculars are among the smallest and lightest products of their kind. Each model can be handheld, mounted on a weapon, head or helmet mounted. Optional lens attachments turn either model into a 3x or 5x night vision scope.

Capable of operating for extended periods on either a single AA or CR123 battery and delivered with a built-in auto off function, the KOF-2 is packed with industry-leading features such as the auto off function can be made according to customer preferences.

- Image Intensifier Tube – Generation 2+ / 3, power supply with built-in bright flash protection
- Operating mode switch and batteries compartment cover are easy to use even when operating with gloves
- Angle of IR illumination totally assures field of view illumination uniformity (controlled at the assembling)
- The black housing is performed as corrosion-proof, water-proof and dust proof design (Durable and lightweight metal alloy)
- "Low battery" and "IR-on" indicators are displayed in the user's field of view
- Green phosphor
- Waterproof
- Helmet or Head mounted as per user preference
- Auto on/off when raised and lowered
- Rifle mountable
- Turn 2 monoculars into an advanced binocular with NV bridge
- Autogating can be made according to customer preference
- Made in Denmark



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



5x objective

3x objective

3x afocal lens

KOF-2/4EG	With 1x objective	With 3x objective	With 5x objective
Magnification	1	3	5
Angular field of view, degree	40±2	12,4±0,6	8,0±0,4
Focus range, m	0,25 to infinity	10 to infinity	
Diopter Adjustment	-6 to +5		
Output pupil diameter, mm	20		
Output pupil relief, mm	25		
Protection against bright light	Off at E>40lx, in 60 sec or per user preference		
Supply voltage, V	1,5 - 3		
Type and quantity of energy source	1 x AA or 1x CR123		
Dimensions, mm	118x48x69	198x60x69	165x84x90
Weight without batteries, g	300	540	670
Operating Temperature	-50 to +60 °C	-50 to +60 °C	-50 to +60 °C
Shock resistance	5g		
Immersion 1m	60 minutes (or according to customer preference)		
Relative Humidity at 25°C	98%		
MIL-STD-810	Yes	Yes	Yes

K O F L A R

N I G H T S Y S T E M S

Noerregaardsvej 283, 2610 Roedovre, Denmark • +45 29760499 • info@nightvision.dk • www.nightvision.dk

IMAGE INTENSIFIER TUBE

Technical characteristics	S	Measured
Useful diameter, mm	17,5	
Photocathode type	GaAs	
Material of output window	FOE, inverting, concave, R=40 mm	
Phosphor	P-43 (also available in P-22)	
Limiting resolution lp/mm	minimum 67	69
Luminous, $\mu\text{A}/\text{lm}$	Minimum 1900	2000
Radiant ($\lambda = 850 \text{ nm}$), mA/W, min	180	210
Gain, lm/lm	Minimum 55.000	65.000
Screen brightness control, cd/m^2	2-17*	6.5
Halo, mm, Max	1.0	0.9
Signal to noise ratio at 108 μlx	Minimum 25	29.6
EBI, μlx , Max	0.25	0.15
Input current, mA	16-20	
Input voltage, V	2,0x3,6	
Weight, g, max	85	85
MTTF, h	15.000	
FOV cleanness		In accordance with table 2

Table 2 - Size of dark and bright spots

Spot size, mm	Circle Ø5.6mm Zone 1	Ring Ø5.6-14.5mm Zone 2	Ring Ø14.5-17.5mm Zone 3
≥ 0.23	0	0	0
0.15-0.23	0	1	1
0.075-0.15	0	1	2



KOF-2 can be used rifle mounted with holo-sight or equal.

Professional helmet and head mount solutions for all type helmets

Accessories:

- 3x and 5x Objective lenses
- Weapon mount
- NV bridge
- Adapter for photo/video cameras
- Adapter for applying PVS type head mount
 - Helmet mount
 - NV flip mount
 - Demist shield
 - Sacrificial window
 - Infrared Laser Aimer