



NDV 70

Driver's nightsight devices

The driver's night vision device NDV 70 is a periscope with lens, image intensifier and a bi-ocular eyepiece assembly. It was developed for the periscope shaft of the APC Fuchs 2, but can be used with a comparable shaft in any other vehicle.

The driver's outlook offers a wide field of view and a 1:1 magnification. The device is thus ideal for driving and monitoring in darkness and under poor visibility conditions. The image is projected onto a large field magnifier, so that the driver does not need to use an eyepiece. The NDV 70 is the modular periscope solution for protected vehicles.



Optical Data	
Periscope with lens, image intensifier and a bi-ocular eyepiece assembly	
Magnification	1:1
Resolution	1,4 mrad
Field of view	45° x 35°
Range distance	4 m to ∞
Image intensifier	2. Generation
Bi-ocular eyepiece assembly	
Viewing distance	variable from 50 mm
Mechanical Data	
Dimensions (WxHxL)	66 mm x 131 mm x 410 mm
Weight	9,5 kg
Electrical Data	
Power supply	24 V
Battery mode	3 V (2x AA-Batteries)
Environmental Conditions	
Temperature	-40° C to +52° C
Storage temperature	-45° C to +68° C
Impact resistance	10 g; 6 ms
Environmental test and EMV	MIL-STD-810; VG 95373
Safety class	1M (eyesafe), acc. IEC 60825
Measuring range	50 m - 20,000 m
Measuring accuracy	±5 m
Multiple target resolution	≤20 m
Mechanical data	
Dimensions (W x H x L)	515 x 505 x 395 mm
Platform	
Pan/tilt platform	Stabilised
Stabilisation error	<100 µrad (1σ)
Slew rate min.	0.2 mrad/s
Slew rat max.	1 rad/s
Weight	<75 kg (platform incl. sensors)