



Upgrade your fleet

**NAP5**

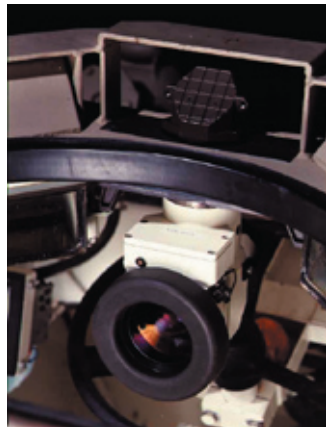
Night-Driving Periscope

**vectronix** 

# Small size fits old and new

The NAP5 Night-Driving Periscope is used for driving an armoured vehicle at night without vehicle lighting. It is used instead of the daylight periscope.

The residual light still available at night is transmitted via a prism and an objective to an image-intensifier tube. This produces an image which can be comfortably observed with both eyes.



- Large-field eyepiece provides comfortable, fatigue-free viewing even when travelling over rough ground
- Large visual field for safe driving
- First-class optics provide outstandingly clear image
- Solidly made, reliable

To avoid dazzling the driver, image intensification is automatically reduced when a bright light source suddenly appears. The instrument is powered from the 24 V DC vehicle system, with automatic switchover to an internal emergency battery if the vehicle power supply is interrupted.

The standard accessories include a protective cover for the head prism.

For training purposes and realistic exercises in daylight, a grey filter can be screwed to the head prism.

## For all armoured vehicles

Because of its small size the same NAP5 basic unit can be installed in a wide variety of armoured vehicles. Adapters and head prisms exist for twenty different types. This results in

- Universal use
- Fast, easy installation
- Better logistics

NAP5 equipment is subject to international export regulations and requires an export permit granted by the Swiss Secretariat for Economic Affairs (SECO)

## Technical Data

### Optics

Magnification	unity
Field of view	
horizontal	40°
vertical	≥ 30°
Range of traverse	± 30°
Resolution (at 26.5 m)	0.77 lp/mrad under 1 mlx scene illumination, USAF target, high contrast
Depth of field	4 m to infinity

### Power supply

Power consumption	≤ 50 mA at 24 V DC
Vehicle power supply	MIL-STD 1275 A (18 to 32 V DC)
Internal emergency battery	3 V lithium, size AA (Mignon)
EMC	MIL-STD 416 B, VG 95373

### Objective lens

Focal length	29 mm ± 0.3 mm
Effective aperture	f/1.3

### Image Intensifier Tube

20/30

### Viewing system (bi-ocular)

Focal length	42.7 ± 1 mm
Exit pupil	75 mm
Dioptric setting	
typical	-1 dptr ± 0.1 dptr
possible	-0.75 dptr to -1.25 dptr

### Physical

Dimensions (l x w x h)	140 mm x 170 mm x 310 mm
Weight	4.5 kg

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