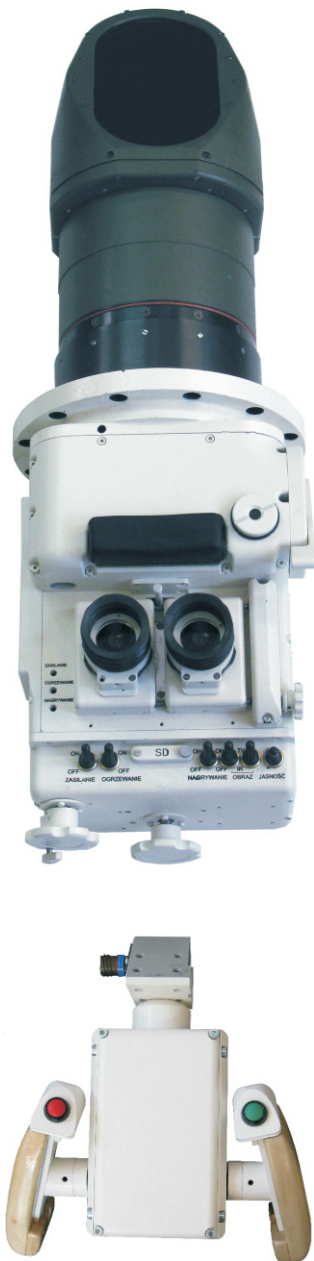


Combined Day/Night Commander's Periscope PWWC-N2



An optical instrument intended for battlefield observation and target search in day and night conditions, based on wide FOV binocular scope with continuous 4x zoom, and night channel using XD-4/XR-5 image intensifier tube.

Periscope consists of two video PAL inputs, from which image can be projected to periscope.

Steering and information system is based on CAN or RS485 protocol. Guidance of head in azimuth and elevation can be done automatically or manually.

Periscope is able to cooperate with any observation and targeting system based on ground or in vehicles.

General technical description

Optical parameters:

- day path magnification continuous zoom 1,2x to 4,8x
- day path FOV from 50° to 12°
- night path magnification..... 1,4x
- night path FOV 40°
- II tube type XD-4/XR-5
- dioptic correction ± 4 dioptries

Mechanical parameters:

- range of position control in azimuth n x 360
- range of position control in elevation:
 - anti-aircraft systems version -5° to +60°
 - ground systems version -15° to +50°
- range of speed control in azimuth 0,001 rad/s to 2 rad/s
- range of speed control in elevation..... 0,0005 rad/s to 1 rad/s
- dimensions..... 1000 x φ260 mm
- weight..... 45 kg
- working temperature range..... -30°C to 55°C

Electrical parameters:

- power supply 24 VDC
- maximum current consumption..... 5A
- communication protocol..... CAN/RS485