

# SERVAL

## TANK THERMAL VISION SIGHT

Tank thermal vision sight 141.819-14 "SERVAL" is designed for replacement of night sight TPN-3 (TPN-1) installed in the turret of tanks T-55, T-62, T-72, T-64, T-80 and BTR-80A armored personnel carrier. The sight provides 24 h passive detection of targets at a range of up to 4000 m and provides a possibility to perform aimed firing with armour-piercing, cumulative and fragmentation round at a range of efficient fire of the tank gun.

The sight is installed onto the standard site of the night sight TPN-3 (TPN-1), the sight replacement doesn't require introducing changes into the tank turret structure. The sight is made on the basis of uncooled bolometric matrix, spectral range of sensibility is 8...12  $\mu\text{m}$ . Original technical solutions applied in the sight structure provide a suitable sight operation and avoid the necessity of long-term re-training of the gunner.

## TECHNICAL PARAMETERS

Operation mode

Magnification, x

Field of view, degrees

Target identification range (2.3x2.3 m)  
at night (0.005 lux)

Periscopicity, mm

Power supply, V

Dimensions, mm

Weight, kg



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## TPN-3 / SERVAL SIGHT

Night / 24h

5.5 / 6

6°40' / 6°40'

without IR-illum. up to 500 m / detection - 4000 m  
with IR-illum. up to 1300 m / recognition - 2000 m

287

27

276x223x530

20