



01 / CAPABILITY OVERVIEW

SDNP-19

SDNP-19 optoelectronic system for armoured vehicles



FIG 01 PRODUCT CONFIGURATION

**78 deg horizontal /
58 deg vertical**

THERMAL FIELD OF VIEW

**Uncooled VOx,
640x512 px, 17 um**

THERMAL DETECTOR

8.3 mm

THERMAL FOCAL LENGTH

2 m

THERMAL DEPTH OF FIELD

01.1 / OVERVIEW

Driver view enhancer of multiple thermal and daytime camera units positioned around the vehicle for 360 degree day and night coverage.

TYPE

Vehicle & weapon station

PROCUREMENT AND COMPLIANCE

Supply is exclusively for government and institutional end-users. Availability is subject to destination screening, a state-issued export licence and a verified End-User Certificate.



02 / TECHNICAL SPECIFICATION

TECHNICAL DATA

SDNP-19 / TECHNICAL EQUIPMENT

PERFORMANCE

Thermal field of view	78 deg horizontal / 58 deg vertical
Day camera field of view	87 deg horizontal / 72 deg vertical

INTERFACES AND OPERATION

Operating temperature	-30 deg C to +70 deg C
Operating voltage	10-36 V

PHYSICAL DATA

Thermal focal length	8.3 mm
Day camera focal length	3.6 mm
Dimensions	211x160x100 mm; junction box 296x260x76 mm

ADDITIONAL TECHNICAL DATA

Thermal detector	Uncooled VOx, 640x512 px, 17 um
Thermal depth of field	2 m
Day camera	1/2.8 in, 8 MP, 1920x1080
Day camera minimum illumination	0.001 lux / F1.0
Video compression	H.265/H.264B/H.264H/MJPEG
Ethernet	RJ-45 (10/100 Base-T)