

Ballistic Protected Panoramic Sight (BPPS)

THALES

Date Revised: 27 JAN 04

VENDOR DESCRIPTION

The BPPS unit is a passive uncooled Thermal Imager (TI) providing panoramic vision for Infantry Carrier Vehicles. Mounted in a ballistic protected pan & tilt, BPPS operations are fully controlled via serial link.

- High-resolution uncooled focal plane array
- Fast optics (F# 0.8), resulting in a very sensitive system, athermalized optics and large field of view (FOV).
- Ballistic shield made from high-grade steel
- Sealed enclosure ensuring reliable operation in harsh environments
- One connector only
- Rapid cueing of dangers in thermal band
- See-through smoke and dust with thermal band
- 360° battlefield vision



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Business Category: Large Business

PIR

Hardware	Infrared Sensor (IR)	Gimbal
Power: 27 watts typ, 48 watts Max	Type: Uncooled microbolometer Staring Array	Height: 1 ft Weight: 30 kg
Weight: 30 kg	Resolution: 320 x 240	Angular Speed: 0 to 80°/sec
Dimensions: Height 310 mm (incl. mounting clamp) Dia. 200 mm (rotation clearance)	NETD: 50 mK	Azimuth Coverage: Slipring N360°
Cooling: Ambient air	Angular Coverage: Horiz 40° x Vert 30°	Elevation Coverage: 7 to +45°
Operating Temp.: -40°C to 50°C	Cooling Method: Ambient air	
Storage Temp.: -46°C to 50°C	Modes of Operation: Instant operation	
Interface: RS-232		
Video Output: NTSC or PAL		
Vibration: 5 grms 5-1000 Hz, 3 axis, Random		

Target Range DRI	Conditions	Detection	Recognition	Identification
NATO	Target contrast: 1.25C Target dimension: 2.3m x 2.3m Probability of detection: 50% Atmospheric transmission: 0.7 km-1	1 km	330 meters	170 meters
Group of 3 Men	Target contrast: 2C Target dimension: 1.8m x 2.3m Probability of detection: 50% Atmospheric transmission: 0.7 km-1	960 meters	290 meters	150 meters