



MPS LR

PANORAMIC DAY/NIGHT STABILIZED SIGHT

- Multi-sensors: Thermal Imager, TV, LRF, Laser Pointer
- Improved on-the-move situation awareness
- Suitable for weapon aiming & firing
- Secured dismounted operations
- Adapted for various carriers & missions

MPS LR

Panoramic day/night stabilized sight



MPS sight mounted on CMI Defence's Cockerill CPWS weapon station.

Compact and lightweight, MPS panoramic stabilized sight provides a true day and night situation awareness acquisition, target designation and engagement to armored vehicles (upgrade or new vehicle programs).

Made up of an electronic unit and a stabilized head to support the optical payload, MPS is a versatile, modular and scalable equipment.

Tailored to meet different operational needs, MPS is equipped with a cooled thermal imager, providing long-range identification.

Thanks to its day/thermal image fusion capability, MPS improves target detection and acquisition during observation phases.

Two classes of positioning accuracy are available either for observation or for medium-caliber firing capability.

- Enhanced situation awareness
- Decamouflage (image fusion)
- Gyrostabilized panoramic line-of-sight
- Sensors modularity
- Easy-to-integrate
- Compact & reliable



Technical specifications

Stabilized head

- Mass: < 20kg (including sensor payload)
- Size: f in rotation 355 mm, H = 365 mm
- Azimuth: n x 360°
- Elevation: -30° to +70°
- Slewing rate: $\geq 70^\circ/\text{sec}$
- Line-of-sight stabilization: 0.2 mrad class
- Line-of-sight position accuracy: 0.2 mrad class

Standard payload

Cooled thermal imager

- Wavelength: 3-5 μm
- Detector: 3rd-generation cooled Focal Plan Array
- FOV: $9^\circ \times 6.7^\circ$
- NFOV: $3^\circ \times 2.2^\circ$

Day video

- Color video: 1024 x 768 pixels
- FOV: 40°, 12° and 2.4°
- Motionless digital continuous zoom (proprietary and patented zoom concept)

Laser range finder

- Eye-safe
- Repetition rate 0.3 Hz

Laser pointer

- Eye-safe
- Range: 200 m
- Visible with night vision goggles

Electronic unit

- Mass: ~ 6kg
- Size: 210 x 170 x 207 mm
- Control: CAN BUS - RS422 (option)
- Power consumption: < 80W

Environment

- Operating temperature: -40°C to + 60°C
- Storage temperature: -46°C to + 71°C

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