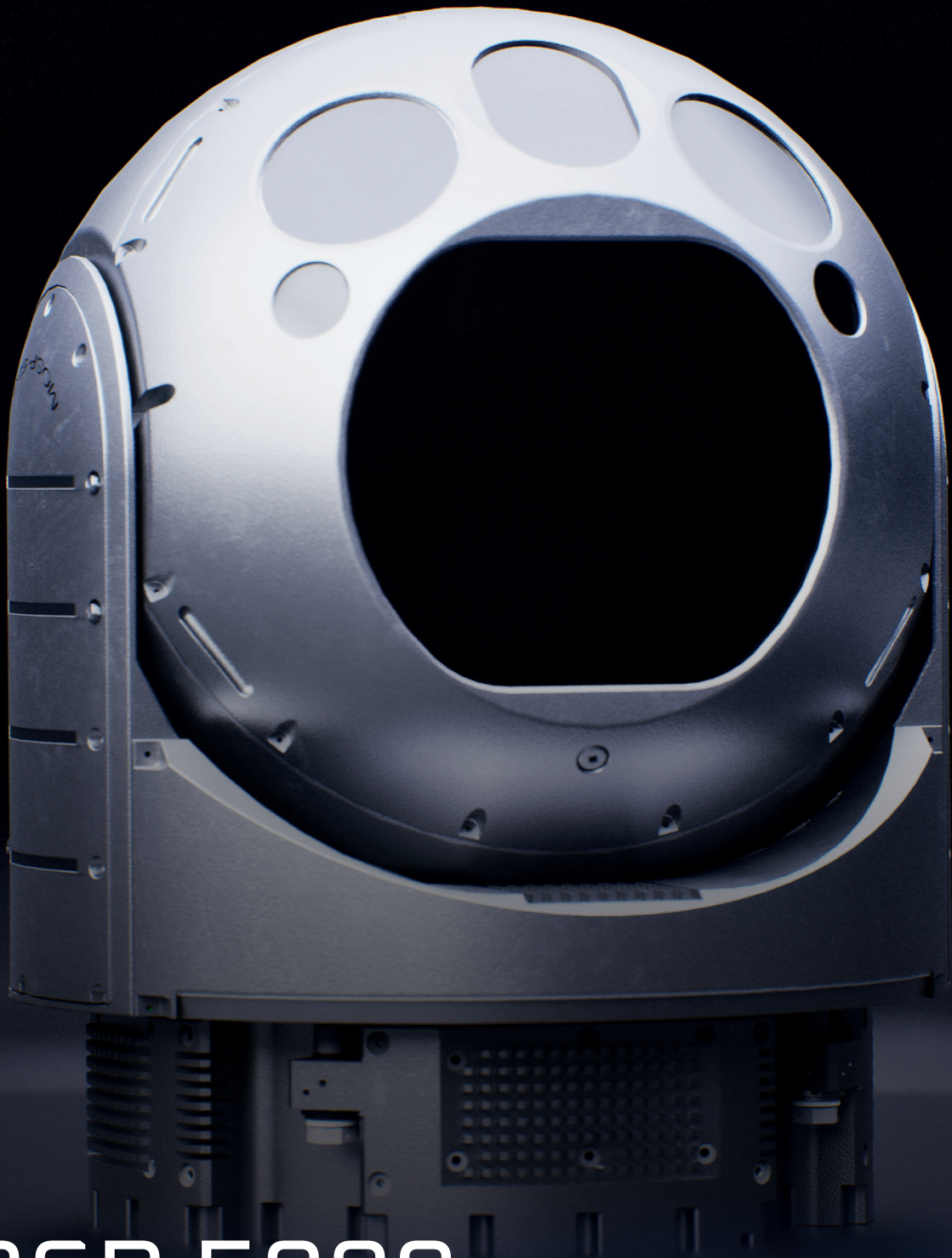




MOSP 5000

Multi-Sensor Electro-Optic Payload · · · · ·



MOSP 5000

Multi-Sensor Electro-Optic Payload

GENERAL

MOSP5000 is a leading Multi-Sensor Electro-Optical Payload, developed by the pioneer in EO Solutions and primary supplier for the IDF Air Force and Navy. Designed for maritime and airborne use, it integrates HD thermal, SWIR, and day channels into a single LRU system, offering the best ITAR-Free performance in its class. With superior sensor technology, stabilization, and image processing, it excels in long-range reconnaissance missions.

MOSP5000 is Part of IAI's MOSP EO/IR family, it has over 1,000 units worldwide.

HIGHLIGHTS

- **Compact Form Factor:** 23" performance in a 16" size for optimal SWaP efficiency.
- **6-Axis Stabilization:** Ensures stable imaging in dynamic environments.
- **Common Aperture:** Aligns sensors for better data fusion.
- **Automatic Video Tracker:** Eases target acquisition and tracking.
- **Dual-Color Laser Designator & Range Finder:** Offers precise and safe targeting.
- **AI and Advanced Image Processing:** Enhances image quality in difficult conditions.
- **SWIR Capability:** Expands detection in low-visibility environments.
- **Integrated INS:** Ensures accurate georeferencing.
- **Spectral Filters:** Optimizes imaging across all EO channels.
- **Picture-in-Picture (PiP):** Displays wide and narrow fields of view simultaneously.

Rotary-wing



Fixed-wing



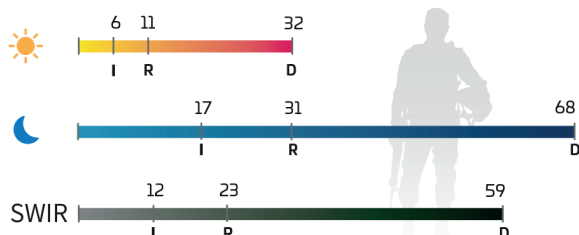
UAV



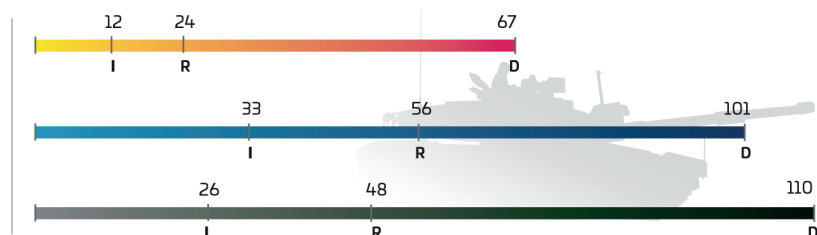
Naval



MAN(KM)



NATO (KM)



SPECIFICATIONS	FLIR	DAY	SWIR
Resolution	1280 X 1024 / 1920 X 1536	Full HD / 4K	1280 X 1024
HFOV	1.1°, 3.3° to 39°	0.22°, 0.43°, 0.67°, 1.3°, 2°-40°	0.43°, 1.3°
Dimensions	Diameter < 16"		STABILIZATION
Height/ Installation Height	< 520 mm / 443 mm		WEGHT
			~50kg

11.25



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