

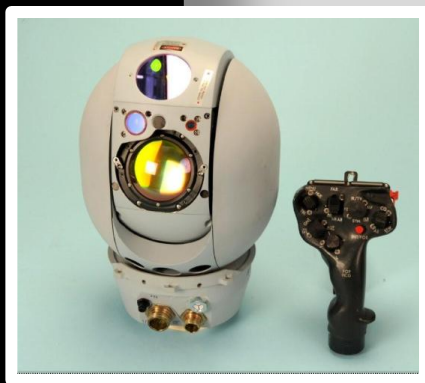
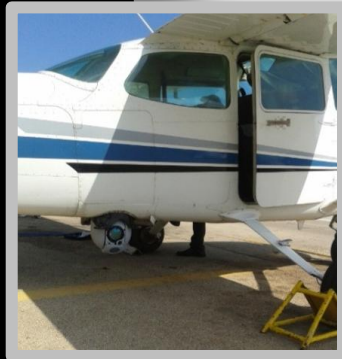


POP300HD

High Definition IR and EO
Plug-In Optronic Payload

“Own the Night”

POP300HD



- **POP300HD** delivers true High Definition(HD) IR critical for effective night missions as well as HD for EO and a laser designator in a compact, lightweight payload.
- **POP300HD** is the affordable solution successfully flight tested on Shadow RQ-7 in October of 2015 but adaptable for multiple airframes and fixed installations.
- **POP300HD** provides outstanding target acquisition ranges due to its powerful sensors, high stabilization and advanced Local Area image Processing (LAP).
- **POP300HD** reduces operator workload and improves situational awareness with multimode Automatic Video Tracker (AVT), and EO/IR Picture-In-Picture overlay capability.
- **POP300HD** manufactured and serviced by our Columbus, Mississippi workforce.

Technical Specifications

Payload	Dimensions	Diameter : 10.4 inches (26.4 cm); Height : 17 inches (43 cm)
	Weight	<51 lb (20 kg)
	Field of Regard	Azimuth: 360° continuous, Elevation: -90° ÷ + 25°
	Slewing Rate	Up to 60°/sec
	Power consumption	<200 W average (600 W maximum)
	Interfaces	Control: RS-422/Ethernet Digital Video: HD-SDI, H.264 Analog video: NTCS/PAL
True HD IR Camera	Field of View	1280x1024 (980p), 6 Discreet FOVs from Wide (29°x23°) to Super Narrow (0.86°x0.5°)
Full HD Day TV	Detector type	CMOS 1/3 inch HD color with Near IR, resolution of 1920x1080 (1080p)
	Field of View	1.7° to 32.6° continuous optical zoom and x3 digital zoom (total zoom x 57)
Automatic Video Tracker	Multi-modes	Point and Scene Track capability
Laser Sensors	Integrated Laser Range Finder (LRF) , 180 Mw Laser Pointer (LP)	
Options	Laser Designator Range Finder (LDM), INS, Video Enhancement, Adaptive local AGC	

