



Powerful Wide-Area Motion Imagery in a Small, Lightweight Pod

Redkite offers the best of both worlds: a highly effective, wide-area motion imagery (WAMI) system in a small, ultra-lightweight pod that easily mounts to a variety of manned and unmanned platforms. With advanced internal processing, Redkite is the smallest, and most power-efficient, WAMI system available.



Defense | Law Enforcement | Border Security

Specifications

Size, Weight, and Power

Pod Size	34 in (86 cm) L x 11 in (28 cm) W x 9 in (23 cm) H	GCS Size	20 in (50.8 cm) L x 25 in (63.5 cm) W x 24.5 in (62.23 cm) H
Pod Weight	< 35 lbs (15.8 kg)	GCS Weight	400 lbs (181.4 kg)
Pod Power	< 500 W	GCS Power	4 KW

Performance

Operational altitude	3,000 ft – 12,000 ft	Watchboxes	Yes
Area of coverage	1 km diameter from 3,000 ft AGL 4 km diameter from 12,000 ft AGL	Viewer windows	≥ 10 unique streaming video windows
GSD	0.13 m at 3,000 ft AGL 0.5 m at 12,000 ft AGL	GCS archive length	72 hours, expandable
Camera	> 50 Megapixel (color optional)	Onboard archive length	> 4 hours, expandable
Refresh Rate	≥ 2 Hz	System Security	DIACAP certification in process, anti-tamper certification planned
Internal Processing	Compact embedded processing includes north-up rendering, real-time and DVR streaming, and full mission storage.		

Options

Mounting Options	Wing pylon, under belly, gimbal mount adaptor. Easily installed and removed from the aircraft, increasing mission flexibility.	Platform Compatibility	Fixed wing, rotary wing, and UAS
Datalink	Internal datalink available, providing a fully integrated, single-LRU WAMI system with minimal resource requirements from the aircraft and simplified aircraft integration. Ideal for UAS applications.	Operations Support	Full-time operation, maintenance, and repair at deployed sites. Training, warranty support, and 24/7 help-desk support available.



Logos Technologies LLC | Learn more at: www.logos-technologies.com

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