

VENTUS HD6-0.6

LONG RANGE HD THERMAL IMAGING



The Ventus HD6-0.6 represents a pivotal advancement in terrestrial surveillance technology for applications that demand the best precision, power, and reliability.

DETAILS

Sierra Olympia has built proven 6-um technology from Leonardo DRS into a complete camera system to leverage their HD (1280x960) focal plane with a proprietary long-life cooler for higher acuity and FOV with lower total cost of ownership. On-board video encoding and advanced image processing makes this camera perfect for integration into high-performance surveillance systems.

APPLICATIONS

- + Wildlife Monitoring
- + Airports
- + Airborne
- + Shipping Yards
- + Terrestrial Surveillance

- + Extended Cooler Life
- + 1280 x 960 HD format
- + 14X Optical zoom
- + One Touch Auto Focus



Helicopter - 1.5km



Shipping Vessel - 12km

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EXPORT CLASSIFICATION: DUAL USE

FEATURE SPECS

DETECTOR



Detector Type	Mercury Cadmium Telluride
Array Format	1280 x 960
Pixel Pitch	6µm
Spectral Response	MWIR (3.4 to 4.8µm)
Frame Rate	30 -120Hz, 60Hz default
Bit Depth	14-bit
NETD	30mK Typical

SYSTEM



Digital Video Output	HDMI, HDSOI (optional) CameraLink®
IP Video Output	Ethernet (H.264, H.265)
NUC	2-point NUC 1-point with shutter Bad Pixel Replacement
Image Enhancement	Linear Histogram AGC CLAHE LAP Sharpen De-noise Electronic image stabilization
Color Palette Options	User color paletter/LUT
Digital Zoom/Pan	1X to 16X
Onboard Storage	32GB standard, expandable to 512GB

LENS OPTIONS



EFL	50mm to 720mm
F#	2.6
FOV	8.8° - 0.6°
Focus	One-touch autofocus
Optical Zoom	14X
Environmental (coating)	Athermalized, high-performance AR coating
Size	590 x 329 x 329mm
Weight	13.5kg 15kg with benchtop mount

ENVIRONMENTAL



Input Voltage	12VDC
Power Dissipation	11.5W Typical 35W during cool down
Operating Temperature	-20°C - +60°C
Mounting	1/4-20 Tripod mount and front flange



Cityscape - 2.2km



Convoy - .29km