



# 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 DRS Leonardo 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
- + Shipping Yards
- + Airports
- + Terrestrial Surveillance
- + Airborne

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



*Helicopter - 1.5km*



*Shipping Vessel - 12km*

# VENTUS HD6-0.6

LONG RANGE HD THERMAL IMAGING

EXPORT CLASSIFICATION: DUAL USE

## FEATURE SPECS

### DETECTOR



Detector Type	Mercury Cadmium Telluride
Array Format	1280 x 960
Pixel Pitch	6 Micron
Spectral Response	MWIR
Frame Rate	30 Hz default 60 Hz capable
Bit Depth	14-bit
NETD	30 mK Typical

### ENVIRONMENTAL



Input Voltage	12 VDC
Power Dissipation	11.5W Typical 35W during cooldown
Operating Temperature	-20°C to + 60°C

### LENS OPTIONS



EFL	50mm to 720mm
F#	2.6
FOV	8.8°-0.6°
Focus	One-touch autofocus
Optical Zoom	14X
Environmental Coating	Athermalized, performance AR coating
Size (L x W x H)	590x329x329mm
Weight	13.5kg 15kg / benchtop mount

### SYSTEM



Digital Video Output	HDMI, HDSI (optional) CameraLink®
IP Video Output	Ethernet (H.264, H.265)
NUC	2-point NUC, 1-point with shutter, Bad Pixel Replacement
Digital Zoom / Pan	1X to 16X



Cityscape - 2.2km



Convoy - .29km