



# **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.

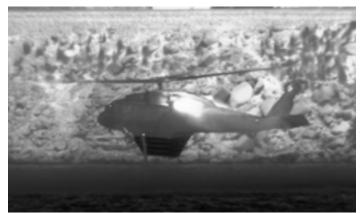
#### **APPLICATIONS**

- + Wildlife Monitoring
- + 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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### 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
Dit D	441.5
Bit Depth	14-bit

### ENVIRONMENTAL

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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

## SYSTEM

LENS OPTIONS

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EFL F#

FOV

Focus

Size Weight

**Optical Zoom** 

Environmental (coating)

Digital Video Output	HDMI, HDSDI (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 Pallette Options	User color paletter/LUT
Digital Zoom/Pan	1X to 16X
Onboard Storage	32GB standard, expandable to 512GB

Cityscape - 2.2km



Convoy - .29km

# 14-bit 30mK Typical

15kg with benchtop mount

50mm to 720mm

One-touch autofocus

Athermalized, highperformance AR coating 590 x 329 x 329mm

2.6

14X

13.5kg

8.8° - 0.6°