VENTUS HD6-2.4

PRECISE VISION, COMPACT DESIGN

Discover the Ventus HD6-2.4, a compact yet powerful HD MWIR camera designed with the integrator in mind. With a small footprint that enables easy integration into imaging gimbals, dismount units, sighting systems, and more, it provides unmatched capabilities in a convenient package.

DETAILS

Sierra-Olympia has built proven 6 micron technology from DRS Leonardo into a complete camera system to leverage their HD (1280×960) 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 applications in the air and on the ground.

APPLICATIONS

+ Long Range Vision
+ Airports
+ Airborne

+ Shipping Yards
+ Terrestrial Surveillance
+ Crewed/Uncrewed Systems

+ Extended Cooler Life
+ 1280 x 960 HD format
+ 10X Optical zoom
+ Engineered for Low-SWaP

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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, 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

LENS OPTIONS

EFL	18mm to 180mm
F#	2.6
FOV	25° - 2.4°
Focus	One-touch autofocus
Optical Zoom	10X
Environmental (coating)	Athermalized, high-performance AR coating
Size	195 x 106 x 143mm
Weight	1390g

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 M3 tapped holes