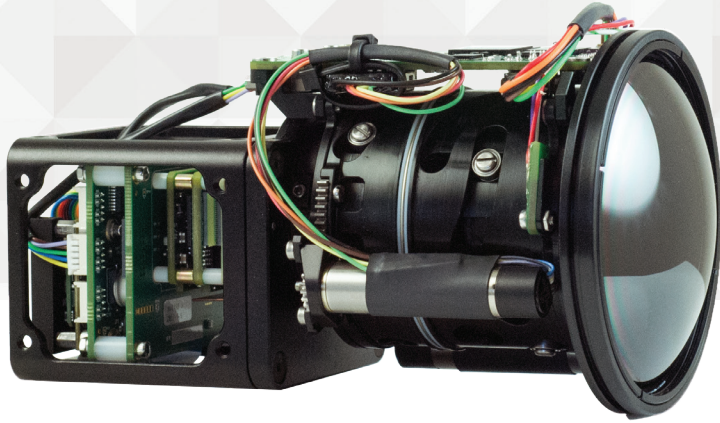


VINDEN 75

COMPACT CONTINUOUS ZOOM THERMAL CAMERA



SIERRA-OLYMPIC
Technologies Inc.



The Vinden 75 provides continuous zoom, advanced image processing, and high-performance long-wave infrared (LWIR) thermal imaging in an unmatched small SWaP-C (size, weight, and power, and cost) package. The athermalized lens provides the benefits of both very wide (59°) and narrow (6°) horizontal fields of view (HFOV). Highly tuned one-touch autofocus operates quickly and reliably throughout the zoom range. Two options allow short or narrow mounting form factors, making the Vinden 75 a superb product for integrators of unmanned ground/aerial systems, and security and surveillance products.

The Vinden 75's 12- μ m 640 x 480 thermal imaging core utilizes a small pixel size to offer high sensitivity and high framerate video. Paired with the core is a powerful processing engine that provides Ethernet and serial connectivity, MJPEG/H.264 encoded IP video streaming, digital zoom, electronic image stabilization, 32GB of onboard storage and advanced image processing functions such as manual and automatic gain control, adaptive contrast control (CLAHE/LAP), target tracking and detection, and a wide array of color palettes. The LWIR camera is regulated under the U.S. EAR regulations (non-ITAR) and can be purchased with either a 60Hz or 7.5Hz framerate sensor.

APPLICATIONS:

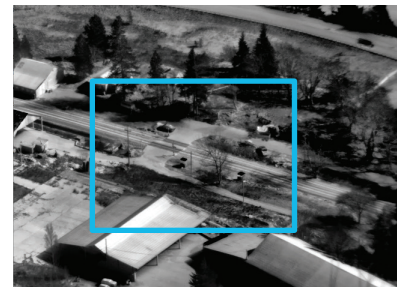
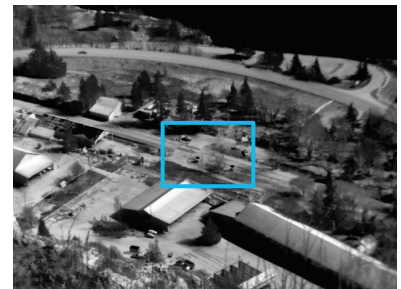
The Vinden 75 is ideal for integrators that design thermal and multi-sensor systems for defense, security, surveillance, border, port and base security applications.

FEATURE HIGHLIGHTS:

- + 12- μ m 640x480 resolution
- + 60Hz maximum framerate
- + 28.7-5.9° HFOV capability (5x Zoom)
- + Standard and short footprints
- + One-touch autofocus
- + Analog NTSC/PAL, CameraLink® and H.264 IP video outputs
- + Ethernet control connectivity
- + Advanced image processing
- + 32GB on-board video storage
- + Athermalized and parfocal continuous zoom lens
- + Hard-carbon, IP-67 front element
- + Non-ITAR controlled



WIDE



NARROW

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SYSTEM FEATURES:

Focal Plane Array		
Resolution	640x480	
Sensor	Uncooled VOx Microbolometer	
Pitch	12µm	
Wavelength	7.5 - 13 µm	
NETD	<50 mK	
Framerate	60Hz, 7.5Hz	
Optics, Size, and Weight		
Part Number	SL-VN-67-90-00 SL-VN-66-90-00	SL-VN-67-90-01 SL-VN-66-90-01
Model	Standard	Short
Focal Length (mm)	15-75	
HFOV (deg)	28.7 - 5.9	
Weight (approx)	460g (16.2oz)	452g (15.9oz)
Envelope Dimensions (L x Dia) (approx)	137 x 82 mm 5.4 x 3.2 in	116 x 82 mm 4.6 x 3.2 in
Digital Zoom	4x	
Optical Zoom	5x	
F#	1.2	
Coating	Hard Carbon	
Interface		
Analog Video Output	NTSC/PAL	
Digital Video Output	16-bit CameraLink	
IP Video Output	MJPEG or H.264 Encoded	
IP Broadcast	Unicast / Multicast	
System Control	Serial or Ethernet	
Onboard Video Storage	Up to 32GB microSD	
Environmental		
Operating Temperature Range	-20 to +67C	
Shock	Operating: 10G / Non-operating: 70G	
Power	12VDC / 5W nominal (6.3W peak) consumption	
Mounting	1/4-20 Tripod Mount	
Certification	RoHS	

Specifications and descriptions subject to change without notice.

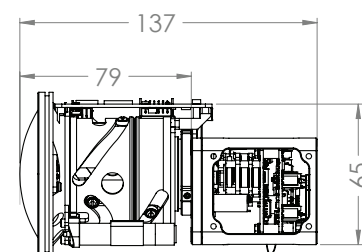
ADDITIONAL FEATURES:

- + User color palettes / LUT
- + Shutter and Scene-based NUC
- + Spatial/temporal De-noise
- + Automatic Gain Control
- + CLAHE/LAP alpha blending
- + Optional Target Tracking and Detection
- + Electronic Stabilization
- + Picoblade and FFC hardware interfaces
- + Simultaneous analog/digital output

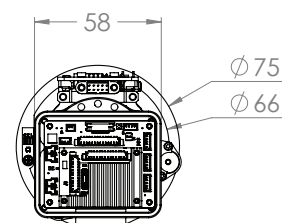
EXPORT CLASSIFICATION:

Please review regulations at www.sierraolympic.com.

- + 7.5Hz- ECCN 6A993. Products are exportable without license for non-military applications to all countries but embargoed countries. End-use documentation required.
- + 60Hz- ECCN 6A003.b.4.b. Products require a license for export. EU/NATO countries, Australia, S. Korea, Japan, New Zeland, Argentina are eligible for STA license exemption. Customer and end-use documentation required. Re-export is controlled under STA rules.



LEFT



BACK

Standard length