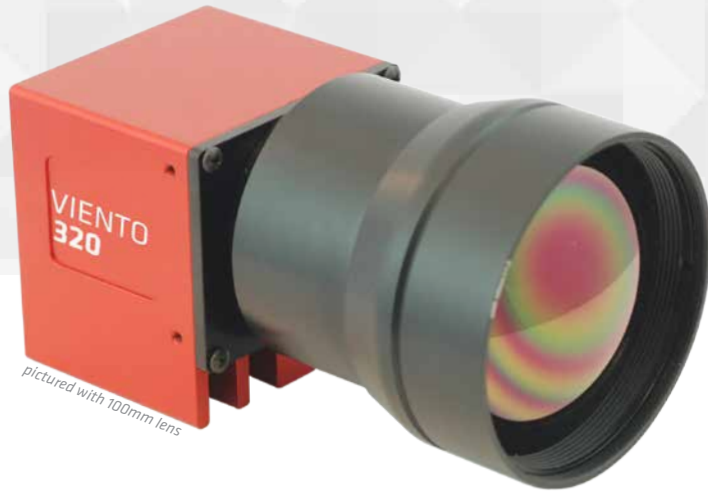


# VIENTO 320

THERMAL CAMERA



SIERRA-OLYMPIC  
Technologies Inc.



The Viento 320 Thermal Camera is a value priced thermal imager designed for a wide range of thermal video camera applications. The Viento 320 offers simultaneous analog and digital thermal video outputs, RS232 or USB camera control, and convenient electrical and mechanical interfacing for industrial, military, and research infrared camera customers.

The Viento 320 is based upon the latest 320 x 240 x 17  $\mu\text{m}$  uncooled microbolometer focal plane array technology. Viento 320 includes automatic image normalization with an integrated shutter for perfect image performance every time. With 11 different lens options ranging from 90 degree to 3 degree horizontal field of view (HFOV), a highly capable user GUI, a rich set of camera commands, and numerous other camera features, the Viento 320 offers both value and performance for your thermal imaging application.

## APPLICATIONS:

- + Process monitoring
- + Industrial imaging
- + Perimeter Security
- + Military Imaging
- + Critical infrastructure
- + Medical Imaging
- + Traffic signal management

## CAMERA FEATURES:

- + 320 x 240 x 17  $\mu\text{m}$  pixels
- + Analog NTSC/PAL video
- + 8-bit or 14-bit Camera Link<sup>®</sup> digital video output
- + Histogram AGC
- + Proprietary Image Contrast Enhancement (ICE)<sup>1</sup>
- + Multiple lens options
- + 2-year warranty

*ICE is a trademarked name of DRS Technologies. Camera Link is a trademarked name of AIA*



40° FOV



24° FOV



16° FOV



9° FOV

# VIENTO 320

THERMAL CAMERA



SIERRA-OLYMPIC  
Technologies Inc.

## MODELS:



**3° HFOV AF**  
SL-V1-36NO-A03



**6° HFOV AF**  
SL-V1-36NO-A06



**9° HFOV AF**  
SL-V1-36NO-A09



**9° HFOV MF**  
SL-V1-36NO-A09



**15° HFOV MF**  
SL-V1-36NO-M15



**16° HFOV AF**  
SL-V1-36NO-A16



**24° HFOV AF**  
SL-V1-36NO-A24



**27° HFOV MF**  
SL-V1-36NO-M27



**40° HFOV AF**  
SL-V1-36NO-A40



**40° HFOV MF**  
SL-V1-36NO-A40



**90° HFOV AF**  
SL-V1-36NO-A90

MF: Manual Focus AF: Auto Focus

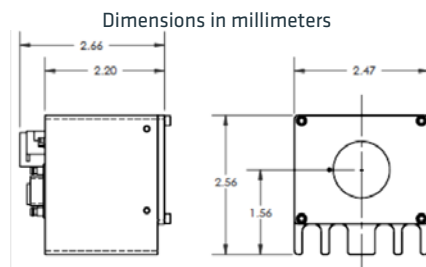
## FEATURE SPECIFICATIONS:

Detector type	Uncooled VOx Microbolometer
Array size	320 x 240
Pixel pitch	17 um
Response range	8-14 um
NEdT @f/1.0	< 50 mK
Frame rate (fps)	60 or 9
Analog video	NTSC, PAL
Digital Video	14-bit/8-bit CameraLink®
Auto Gain & Level	User defined; Persistent
Digital Zoom/Pan	ROI, E-zoom 1X -4X
NUC	1 pt. with mechanical shutter
Command protocol	RS-232, USB 2.0
Image enhancement	High setting, low setting
Symbology	selectable, zoom, polarity, shutter

## ENVIRONMENTAL SPECIFICATIONS

Input voltage	5 - 18 vdc, or PoUSB
Power dissipation	1.1 watts
Operating temp.	-40 to +67 C
Shock / Vibration	70 G (all axis) / 4.3 G (three axis)
EMC Radiation	FCC class A digital device
Humidity	5 - 99%, non-condensing
Std. / Compliance	ROHS and WEEE compliance
Sealed lens / lens mt.	IP67

\*Specifications and descriptions subject to change without notice.



Dimensions without lens. For complete mechanical Specifications, contact SOTI