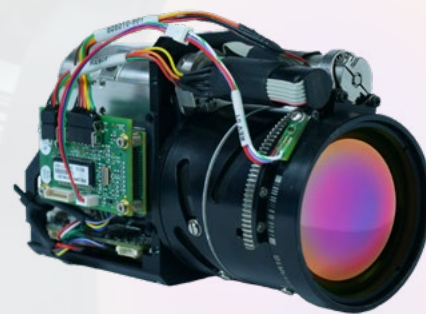


# VENTUS COMPACT

MK2: 19-275 MM MWIR FOR LOW-SWAP APPLICATIONS



## DETAILS

The Ventus Compact mk2 mid-wave infrared camera was designed specifically for space-constrained integrations in airborne, handheld, and other low-SWaP applications. The system features an advanced, 19-275 mm continuous zoom optic, one-touch auto focus, advanced image processing, and a unified easy to integrate software architecture. This updated version of the Ventus Compact product offers effective long range imaging in a small and light form factor.

Outputs include IP and HDMI, as well as 16-bit CameraLink and USB 3.0 digital output. In-camera automatic gain control and advanced digital enhancement provide tools for maximizing image quality and performance in all environments.

## FEATURE SPECS

### DETECTOR



Detector Type	High operating temp MWIR
Array Format	640 x 512
Pixel Pitch	15 Micron
Spectral Response	MWIR
Frame Rate	60 Hz
Bit Depth	16-bit
NETD	<30 mK

### LENS MODELS



F#	5.5
FOV (wide to narrow)	28.4° TO 2.0°
Size (L x W x H) mm	150 x 77 x 85 mm
Weight	945g (estimated)
Focus	One-touch autofocus, manual
Optical Zoom	14X
Environmental Coating	Hard Carbon

- + 19-275 mm continuous zoom optic
- + 640 x 512 resolution / 15  $\mu$ m detector
- + Low SWaP ~945g
- + Long-life HOT MWIR sensor
- + Powerful image processing options
- + Low Vibration Cooler

## APPLICATIONS

- + Low-SWaP aerial integration
- + Port, airport, border security
- + Long range detection
- + Manned/unmanned systems
- + Airborne ISR
- + PTZ Camera Systems
- + Portable handheld imaging
- + Custom OEM applications

## SYSTEM



Digital Video Output	HDMI (NUC/BPR) 16-bit CameraLink® (raw) 16-bit USB 3.0 (raw)
IP Video Output	H.264 / H.265 (NUC/BPR)
NUC	NUC through zoom
Image Enhancement	Linear histogram AGC, CLAHE, LAP, sharpen, de-noise, electronic image stabilization
Color Palette Options	User color palettes/LUT
Digital Zoom / Pan	1X to 16X
Onboard Storage	32GB Std. Expandable to 512GB
Camera Control/Command Interfaces/System Control	Ethernet Serial (RS-422/RS-232), Aux serial in/out
Input Voltage	11 - 14VDC

## ENVIRONMENTAL



Power Dissipation	10W Steady State / 24W max
Operating Temperature	-20°C to +50°C

