



MWIR

BY THE LEADER IN LOW SWaP MWIR INFRARED



WING-TE180

LOW SWaP INTEGRATED INFRARED SENSING SOLUTIONS (I2S2)

Our I2S2 Product Line is a range of options available to meet low SWaP imaging requirements, leveraging our expertise in Infrared sensing materials. Solutions integrate a low SWaP Integrated Detector Dewar Cooler with a Mid-Wave Infrared Response (MWIR) coupled with advanced processing video electronics and a selection of continuous zoom optics ranging from 135mm to 300mm.



BENEFITS

Low SWaP MWIR IDDCA

Most compact and lowest weight solutions on the market

Continuous Zoom Optics

High quality thermal optics providing user adjustable continuous field of views and automated focus functions

10µm pixel XBn

Enables lowest Instantaneous Field of View with commercial off the shelf available optics

Camlink and HD-SDI video output. Optional GiGE

Standard video formats enable use of commercially available interfaces for streaming

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YOUR VISION IS OUR VISION

contactus@scdusa.com • (321) 652 8056 • www.scdusa-ir.com • Colorado Springs, Colorado



SYSTEM FEATURES

- Factory adjustable Frame Rates up to 100Hz Full Frame (Requires medium camlink or Fast GiGE Interface)
- Multiple Automated Focus Capabilities
- Image Polarity (White-Hot)
- 1pt Calibration
- Digital control of camera functionality
- HD-SDI video output provides Local Area Enhancement, Digital Zoom (2X | 4X), Region of Interest, Color Palette, Brightness and Contrast Adjustments

Inquire for other features



Contour-30U300



Wing-TE180

	CONTOUR		WING		
Sensor Configurations	1280x1024, 10µm, MWIR XBn		640x512, 10µm, MWIR XBn		
F Number	F/4		F/3.6		
Spectral Band	3.6µm to 4.2µm		3.6µm to 4.2µm		
Camera Options	225mm Focal	300mm Focal	135mm Focal	180mm Focal	225mm Focal
Continuous Zoom Range	18mm to 225mm	15mm to 300mm	10mm to 135mm	16mm to 180mm	18mm to 225mm
Optical Design	In-Line		In-Line	Folded	In-Line
Size (L) in x (W) in x (H) in	5.62 x 3.05 x 2.87	7.75 x 4.03 x 4.21	5.74 x 2.60 x 2.00	4.73 x 4.53 x 3.16	5.62 x 3.05 x 2.87
Weight (kg)	~1	~1.5	~1	~1	~1
Video Output	HD-SDI 1080p60Hz Camlink or GiGE		HD-SDI 720p60Hz Camlink or GiGE		
Bit Depth	14 bits NUC and BPR on Camlink and GiGE port				
	10 bits compressed on HD-SDI port				
Communication	Camlink CC2 or GiGE.RS 232 or RS-422 Optional				
HFOV (deg)	1.6	1.2	2.7	2.01	1.6
I FOV (µrad)	44.4	33.3	74	55.6	44.4
Non-Uniformity Correction (NUC)	Up to 6 NUC Tables				
Operating Temperature	-40C to 71C		-40C to 71C		
Storage Temperature	-40C to 85C		-40C to 85C		
Power Supply	Single Power Supply +12V		Single Power Supply +12V		
Steady State Power Consumption (23C)	~5W		~5W		
Product Name	30U-225	30U-300	TE-135	TE-180	TE-225

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