



**IP67 Upgradable**  
with IP67 lens tube  
and IP67 cables

## Triton2 Models

Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	Chroma	Interface
TRT245S	24.5 MP	5320 x 4600 px	11.5 fps	Sony IMX540 CMOS	4/3"	2.74 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT204S	20.4 MP	4504 x 4504 px	13.5 fps	Sony IMX541 CMOS	1.1"	2.74 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT200S	20.0 MP	5472 x 3648 px	9.0 fps	Sony IMX183 CMOS	1"	2.40 µm	Rolling	C	Mono / Color	2.5GigE, MI2
TRT162S	16.2 MP	5320 x 3040 px	17.5 fps	Sony IMX542 CMOS	1.1"	2.74 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT124S	12.3 MP	4096 x 3000 px	22.5 fps	Sony IMX545 CMOS	1/1.1"	2.74 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT081S	8.1 MP	2840 x 2840 px	34.5 fps	Sony IMX546 CMOS	2/3"	2.74 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT051S	5.0 MP	2448 x 2048 px	55.0 fps	Sony IMX547 CMOS	1/1.8"	2.74 µm	Global	C	Mono / Color	2.5GigE, MI2

## Specifications

Interface, Power, and Size Information	
Digital Interface	2.5GBASE-T, MI2 (8-Pin X-Coded), PoE
GPIO Interface	8-pin M8 connector IEC 61076-2-104
Opto-isolated I/O ports	1 input, 1 output
Non-isolated I/O ports	2 bi-directional
Dimension	29 x 44 x 45 mm*
Lens Mount	C-mount
Weight	90 g
Power Requirement	PoE (12-24V) IEEE 802.3af
Power Consumption	4.5W via V_ext; ~5W via PoE

Standard and Certifications	
Standard	GigE Vision v2.0, GenICam
Compliance	CE, FCC, RoHS, REACH, WEEE
IP Rating	IP67 (with IP67 lens tube and cables)
Storage Temperature	-30 to 60C
Operating Temperature	-20 to 55 C
Humidity	Operating: 20% ~ 80%, relative, non-condensing
Storage	20% ~ 95%, relative, non-condensing
Warranty	3 years

\*Not including lens barrel or interface ports

Imaging Properties	
Image Buffer	128 MB
Image Processing	Gain, gamma, black level, white balance, LUT, CCM, pixel correction, hue, saturation, color space conversion
Pixel Formats	Mono8/10/12/16, Bayer8/10/12/16, RGB8, BGR8, YCbCr8, YCbCr411, YUV422, YUV411
Image Modes	Horizontal and vertical binning, decimation, ROI, horizontal and vertical flip
ADC	12 bit
Gain Range	0 dB to 48 dB analog and digital
Exposure Time	30 µs to 10 s

Camera Features	
User Sets	1 default and 2 custom
File system size	16 MB
Chunk Data	Timestamp, frame counter, offset X/Y, width/height, exposure time, gain, black level, line status, sequencer set
Event Data	Acquisition start/end, exposure start/end, line rise/fall, error
Counter & Timer	2 counters and 2 timers
Sequencer	Exposure time, gain
Synchronization	Software trigger, hardware trigger, PTP (IEEE 1588)

