



- IP67 ready
- 2.5GigE with PoE
- Active sensor alignment
- Shock and vibration protection, EMC immunity, wide operating temperature of -20 to 55°C ambient



Triton2 Models

Model	MP	Resolution	FPS	Sensor	Format	Pixel Size	Shutter	Lens Mount	Chroma	Interface
TRT245S	24.5 MP	5320 x 4600 px	11.3 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	21.7 fps	Sony IMX545 CMOS	1/1.1"	2.74 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT120S	12.3 MP	4096 x 3000 px	22.6 fps	Sony IMX304 CMOS	1.1"	3.45 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT081S	8.1 MP	2840 x 2840 px	31.8 fps	Sony IMX546 CMOS	2/3"	2.74 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT071S	7.1 MP	3208 x 2200 px	35 fps	Sony IMX428 CMOS	1.1"	4.5 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT064S	6.3 MP	3072 x 2048 px	42.8 fps	Sony IMX178 CMOS	1/1.8"	2.40 µm	Rolling	C	Mono / Color	2.5GigE, MI2
TRT051S	5.0 MP	2448 x 2048 px	49.2 fps	Sony IMX547 CMOS	1/1.8"	2.74 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT050S	5.0 MP	2448 x 2048 px	35.6 fps	Sony IMX264 CMOS	2/3"	3.45 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT028S	2.8 MP	1936 x 1464 px	64.9 fps	Sony IMX429 CMOS	2/3"	4.5 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT024G	2.4 MP	2048 x 1200 px	107.2 fps	Gpixel GMAX4002 CMOS	1/1.7"	4.0 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT023S	2.3 MP	1920 x 1200 px	116.7 fps	Sony IMX392 CMOS	1/2.3"	3.45 µm	Global	C	Mono / Color	2.5GigE, MI2
TRT016S	1.6 MP	1440 x 1080 px	166.3 fps	Sony IMX273 CMOS	1/2.9"	3.45 µm	Global	C	Mono / Color	2.5GigE, MI2



Triton2 Line Scan Model

Model	Resolution	Line Rate	Sensor	Sensor Size	Pixel Size	Shutter	Lens Mount	Chroma	Interface
TRT04KG-M	4096 x 2 px	65 kHz (Mono) 33 kHz (Color)	2K/4K Gpixel GL3504 CMOS	14.336 mm	7.0 µm	Global	C	Mono	2.5GigE, MI2

2.5GigE Factory Tough™ Machine Vision Camera

Specifications

Interface, Power, and Size Information		Imaging Properties	
Digital Interface	2.5GBASE-T, 1000BASE-T M12 (8-Pin X-Coded), PoE	Image Buffer	128 MB
GPIO Interface	8-pin M8 connector IEC 61076-2-104	Image Processing	Gain, gamma, black level, white balance, LUT, CCM, pixel correction, hue, saturation, color space conversion
Opto-isolated I/O ports	1 input, 1 output	Pixel Formats	Mono8/10/12/16, Bayer8/10/12/16, RGB8, BGR8, YCbCr8, YCbCr411, YUV422, YUV411
Non-isolated I/O ports	2 bi-directional	Image Modes	Horizontal and vertical binning, decimation, ROI, horizontal and vertical flip
Dimension	44 x 29 x 45.3 mm**	ADC	12 bit
Lens Mount	C-mount	Gain Range	0 dB to 48 dB analog and digital
Weight	90 g	Exposure Time	Model dependant, see specifications online
Power Requirement	PoE (IEEE 802.3af), 12-24 VDC external	Camera Features	
Power Consumption	4.5W via V_ext; -5W via PoE	User Sets	1 default and 2 custom
Standard and Certifications		File system size	16 MB
Standard	GigE Vision v2.0, GenICam	Chunk Data	Timestamp, frame counter, offset X/Y, width/height, exposure time, gain, black level, line status, sequencer set
Compliance	CE, KC, FCC, RoHS, REACH, WEEE	Event Data	Acquisition start/end, exposure start/end, line rise/fall, error
IP Rating	IP67 (with IP67 lens tube and cables)	Counter & Timer	2 counters and 2 timers
Storage Temperature	-30 to 60° C	Sequencer	Exposure time, gain
Operating Temperature	-20 to 55° C	Synchronization	Software trigger, hardware trigger, PTP (IEEE 1588)
Humidity	Operating: 20% ~ 80%, relative, non-condensing		
Storage	20% ~ 95%, relative, non-condensing		
Warranty	3 years		

** Not including lens barrel or interface ports

C-Mount Model

