



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	11.3 fps	Sony IMX540 CMOS	4/3"	2.74 μm	Global	C	Mono / Color	2.5GigE, M12
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, M12
TRT200S	20.0 MP	5472 x 3648 px	9.0 fps	Sony IMX183 CMOS	1"	2.40 μm	Rolling	C	Mono / Color	2.5GigE, M12
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, M12
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, M12
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, M12
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, M12
TRT071S	7.1 MP	3208 x 2200 px	35 fps	Sony IMX428 CMOS	1.1"	4.5 μm	Global	C	Mono / Color	2.5GigE, M12
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, M12
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, M12
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, M12
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, M12
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, M12
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, M12
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, M12

See our website for the most up-to-date information.

Interface, Power, and Size Information

Digital Interface	2.5GBASE-T, M12 (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	44 x 29 x 45.3 mm**
Lens Mount	C-mount
Weight	90 g
Power Requirement	PoE (IEEE 802.3af), 12-24 VDC external
Power Consumption	4.5W via V_ext; ~5W via PoE

Standard and Certifications

Standard	GigE Vision v2.0, GenICam
Compliance	CE, KC, FCC, RoHS, REACH, WEEE
IP Rating	IP67 (with IP67 lens tube and cables)
Storage Temperature	-30 to 60° C
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)

C-Mount Model

