



IP67 Protection
with IP67 lens tube
and IP67 cables

Preliminary Specifications

Triton Line Scan

Model	Resolution	Line Rate	Sensor	Sensor Size	Pixel Size	Shutter	Lens Mount	Chroma	GigE Interface
TR102KA-MC	2048 x 1 px	60 kHz	AMS Dragster DR-2k-7 CMOS	14.3 mm	7.0 µm	Global	C	Mono	M12

Specifications

Interface, Power, and Size Information		Imaging Properties	
Digital Interface	1000BASE-T GigE M12, PoE	Image Buffer	380 MB
GPIO Interface	M8 connector	Image Processing	Gain, gamma, black level, LUT, flat field correction
Opto-isolated I/O ports	1 input, 1 output	Pixel Formats	Mono8/16, Mono12p, Mono12Packed
Non-isolated I/O ports	2 bi-directional	Image Modes	Horizontal and vertical binning, ROI
Dimension	29 x 29 x 45.5* mm	ADC	10 and 12 bit
Lens Mount	C-mount	Gain Range	0 dB to 24 dB analog and digital
Weight	67 g	Conversion Gain	Normal and High Mode (High: 4x in analog domain)
Power Requirement	PoE (12-24V) IEEE 802.3af	Exposure Time	2 µs to 9.9 ms
Power Consumption	3.25W via PoE, 2.6W via V_ext		
<small>*Not including lens barrel or interface ports</small>			
Standard and Certifications		Camera Features	
Standard	GigE Vision v2.0	User Sets	1 default and 2 custom
Compliance	CE, FCC, RoHS, REACH, WEEE	File system size	16 MB
IP Rating	IP67 (with IP67 lens tube and cables)	Chunk Data	Offset X, width/height, pixel format, exposure time, gain, black level
Storage Temperature	-30 to 60° C	Counter & Timer	2 counters and 2 timers
Operating Temperature	0 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		

Triton™

AMS Dragster 2k 60 kHz Line Scan Camera

