TAG-5 Series

GigE Area Camera

▟ Area Scan Global
Shutter CMOS
technology

▟ Resolution
from VGA to
5 Megapixel

▟ High frame rate
up to 300 fps
with VGA sensor

▟ GigE Vision
and GenICam
compliant

▟ asy cabling with Power
over Ethernet (PoE)

▟ Multiple Strobe Output
for lighting control

▟ Partial Scan to reach
high frame rate

TAG-5

The TAG-5 is the new-generation camera platform for Industrial application. It is available in 3 resolution: from VGA with a frame rate of 300 fps up to 5 Megapixels with a frame rate of 22 fps; all resolution are available with mono and color sensors.

CMOS Sensor

Based on advanced global shutter CMOS technology and GigE Vision protocol, the TAG-5 will fulfill your application requirement. The frame rate of the camera can be even increased thanks to the windowing features; in fact, the TAG-5 can capture only a portion of the image sensor allowing higher frames rate for smallest region of interest.

GigE Vision PoE

Thanks to the GigE Vision standard protocol, it does not require the use of any frame grabber, and the camera can be easily interfaced to embedded and PC-based vision system. The TAG-5 supports IEEE 1588 precise time protocol, enabling accurate synchronization with multi-camera acquisition. In addition to the standard 24 VDC power supply, the camera can be powered by PoE (Power over Ethernet) for easy cabling.

I/O

The camera offers a RS232 serial port, 4 strobe channels for illuminator strobing and control, one input and one output opto-isolated.
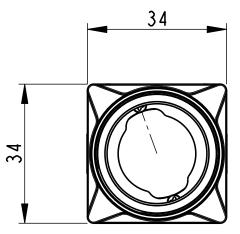
Custom Vision Solutions
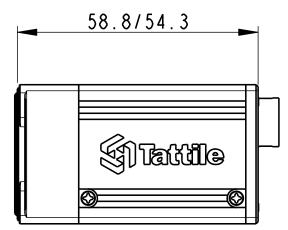
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GiGE
VISION

TAG-5 Series

GigE Area Camera

Power supply
digital I/O
strobe RS232

PoE GigE Vision

CMOS sensor

Technical Data

Resolution	640x480	640x480	2048x1080	2048x2048	2448x2048
Frame rate	300 fps	298 fps	44 fps	22 fps	23 fps
Sensor type	1/4" CMOS	1/3" CMOS	2/3" CMOS	1" CMOS	2/3" CMOS
Sensor model	PYTHON300	CMV300	CMV2000	CMV4000	IMX264
Pixel size	4.8 x 4.8	7.4 x 7.4	5.5 x 5.5	5.5 x 5.5	3.45 x 3.45
Lens	C-mount				
Type	Color		Mono / Color		Mono
Shutter	Global shutter				
Interface	GigE Vision				
Sync	External trigger / Ethernet / Free run				
Digital inputs	1 PNP protected				
Digital outputs	1 open collector protected				
Strobe	4 channels				
Serial port	RS232				
Power supply	+24 VDC / PoE				
Power consumption	3.8 W				4 W
PoE	IEEE 802.3 af				
Dimensions	34x34x54 mm		34x34x59 mm		34x34x54 mm
Weight	115 g				
Internal protection	IP 42				

Part Numbers

F01552	640x480 298 fps mono
F01553	640x480 298 fps color
F01603	2048x1088 44 fps mono
F01604	2048x1080 44 fps color
F01554	2048x2048 22 fps mono
F01555	2048x2048 22 fps color
F01699	640x480 300 fps color
F01840	2448x2048 23 fps mono

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58.8/54.3