



PicSight.com

P142M-GigE

## Gigabit Ethernet monochrome Camera

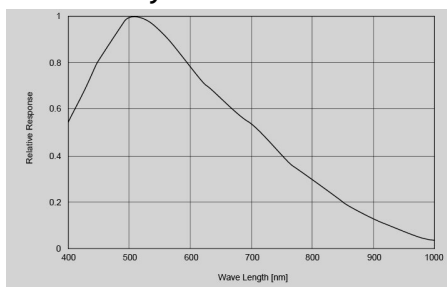
- 1/2 inch progressive scan CCD
- 1392 × 1040 square pixels
- 8 fps, 12-bit image data
- high sensitivity
- async reset, full frame shutter
- digital I/O's trigger-in, strobe out
- embedded real-time functions
- up to 100 m with CAT-5-cable





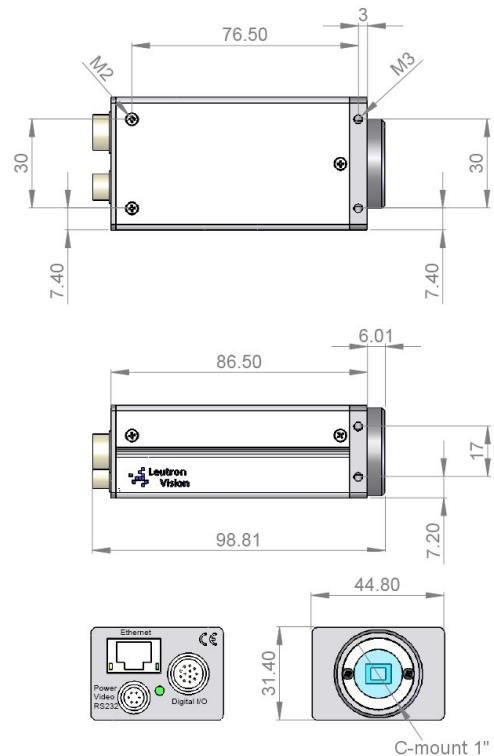
<b>1/2" CCD Sensor</b>	<b>SONY ICX205</b>
<b>Readout</b>	interline transfer
<b>Sensor size (H×V)</b>	7.6 × 6.2 mm
<b>Output image resolution (H×V)</b>	1392 × 1040 pixels
<b>Pixel size</b>	4.65 × 4.65 μm
<b>Color</b>	monochrome
<b>Scan</b>	progressive
<b>Frame rate</b>	8 frames/sec
<b>Shutter</b>	global
<b>Max. shutter time</b>	20 ms
<b>Min. shutter time</b>	10 μs
<b>Lens mount</b>	C-mount
<b>Optional lens mount</b>	90-degree C-mount

### Spectral sensitivity



### Interface

<b>Ethernet</b>	10/100/1000 Mbit/sec
<b>Memory</b>	16 MB Framestore
<b>Status control</b>	Status LED
<b>Digital input (for trigger or status input)</b>	2× Optocoupler, 1× TTL
<b>Digital output (for strobe or status output)</b>	2× Optocoupler
<b>Power input</b>	P142M-GigE-Ax: 10-26 V P142M-GigE: <b>12 V</b>
<b>Power consumption</b>	6 W
<b>Weight</b>	133 g
<b>Operating temperature</b>	0–50 °C
<b>Embedded Realtime Function RTF</b>	
<b>Optional</b>	Bayer decoding
<b>On request</b>	User functions
<b>Host (PC) software</b>	
<b>API LV-SDS</b>	C, C++, OCX, .Net
<b>3rd party</b>	Halcon, AVT, Twain, NeuroCheck, VFW
<b>Configuration</b>	Web interface
<b>Firmware update</b>	FTP



Hirose 12-pin connector, male, HR10A-10R-12PB-71		Hirose 6-pin connector, male, HR10A-7R-6PB-73	
<b>Pin</b>	<b>Signal</b>	<b>Pin</b>	<b>Signal</b>
1	Opto Output Tap	1	TXD Output
2	Opto Output Common Emitter	2	RXD Input
3	Opto Output Collector 0	3	Ground
4	Opto Output Collector 1	4	Reserved
5	Reserved, do not connect	5	Ground
6	Reserved, do not connect	6	Power Input
7	Power Input		
8	Opto Input 1		
9	Opto Input 0		
10	Opto Input Common		
11	Trigger Input TTL		
12	Ground		

### Ordering numbers

Number	Product name	Option
160100	PicSight P142M-GigE	
160105	PicSight P142M-GigE-H	90° lens mount
160125	PicSight P142M-GigE-RTF	Realtime function
160130	PicSight P142M-GigE-RTF-H	Realtime function and 90° lens mount
81005901	Tripod	Mounting plate for camera
16028	LV-SDS	Software API

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