



**PicSight.com**

**P142AM-USB2**

**USB 2.0 monochrome camera**

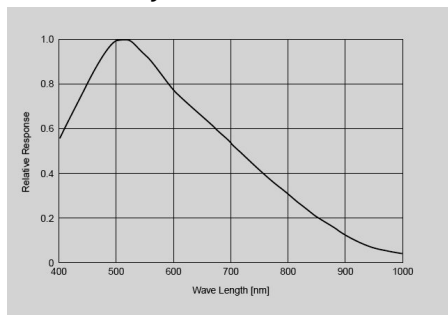
- 1/2 inch progressive scan CCD
- 1392 × 1040 square pixels
- up to 15 fps
- high sensitivity
- async reset, full frame shutter
- digital I/O's trigger-in, strobe-out
- 16 MB frame store built-in





<b>1/2" CCD Sensor</b>	<b>SONY ICX267</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>Max frame rate to camera memory</b>	15 frames/sec
<b>Sustained frame rate to PC</b>	15 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

**Spectral sensitivity**

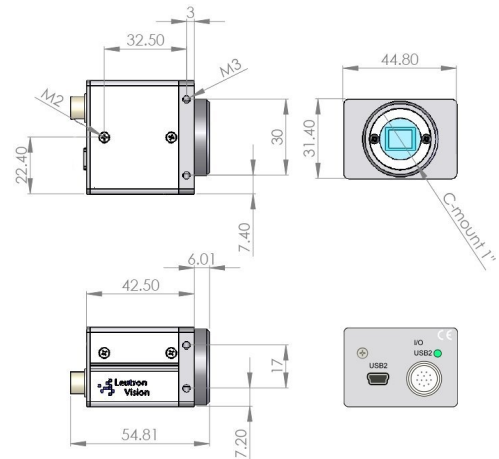


**Interface**

<b>USB</b>	2.0
<b>Memory</b>	16 MB Framestore
<b>Connector</b>	USB mini-B connector
<b>Status control</b>	Status LED
<b>Power</b>	5 V, USB powered, 2.5 W
<b>Weight</b>	90 g
<b>Operating temperature</b>	0–50 °C

**Software**

<b>Camera configuration</b>	LV-SDS camera control
<b>Windows/Linux</b>	API, Camera Editor
<b>Firmware update</b>	With Leutron FW update tool (Windows)



Hirose 12-pin connector, male, HR10A-10R- 12PB-71



Pin	Signal
1	Opto Output Bias Voltage (5–24V)
2	Opto Output Common Emitter
3	Opto Output Collector 0
4	Opto Output Collector 1
5	USB signal +
6	USB signal -
7	Power input +5V
8	Opto Input 1 (5–24V)
9	Opto Input 0 (5–24V)
10	Opto Input Common
11	Trigger Input TTL
12	Ground

**Ordering numbers**

Number	Product name	Option
170150	PicSight P142AM-USB2	
170152	PicSight P142AM-USB2-R	
999000	Mounting plate	For USB/CL cameras
16028	LV-SDS	Software API

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