



PicSight.com

P83M-PoCL

Camera Link monochrome camera

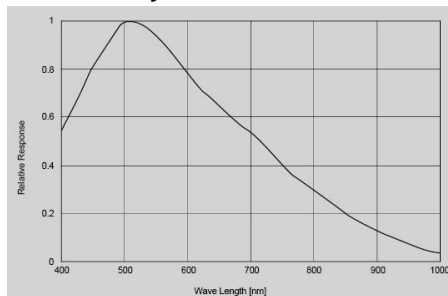
- 1/3 inch progressive scan CCD
- 1032 × 779 square pixels
- 32 fps, 12-bit image data
- high sensitivity
- async reset, full frame shutter
- mini Camera Link connector
- power over Camera Link (PoCL)
- embedded real-time functions
- 12-bit data LUT





1/3" CCD Sensor	SONY ICX204
Readout	interline transfer
Sensor size (H×V)	5.8 × 4.92 mm
Output image resolution (H×V)	1032 × 779 pixels
Pixel size	4.65 × 4.65 μm
Color	monochrome
Scan	progressive
Frame rate	32 frames/sec
Shutter	global
Max. shutter time	20 ms
Min. shutter time	10 μs
Lens mount	C-mount

Spectral sensitivity



Interface

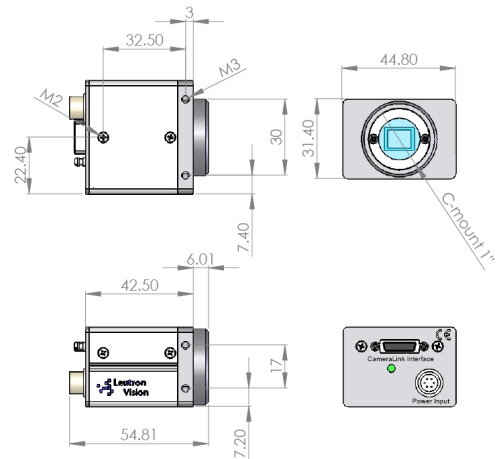
Camera Link	Base
Connector	SDR mini CL
Status control	Status LED
Power	10–15 V
Weight	90 g
Operating temperature	0–50 °C

Embedded Realtime Function RTF

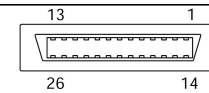
Available	12-bit data LUT
Optional	5×5 Bayer decoding 12-bit Bayer → 24-bit RGB
Optional	Color to monochrome conversion
On request	User functions

Software

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

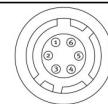


SDR 26-pin connector, female,
3M:12226-100-00 SN79155-S



Pin	Signal	Pin	Signal
1	Power (PoCL)	14	Power return (PoCL)
2	Serial data 0 -	15	Serial data 0 +
3	Serial data 1 -	16	Serial data 1 +
4	Serial data 2 -	17	Serial data 2 +
5	Serial data Clock -	18	Serial data Clock +
6	Serial data 3 -	19	Serial data 3 +
7	Serial Communication to Camera +	20	Serial Communication to Camera -
8	Serial Communication to Grabber -	21	Serial Communication to Grabber +
9	CC1-	22	CC1+
10	CC2+	23	CC2-
11	CC3-	24	CC3+
12	CC4+	25	CC4-
13	Power return (PoCL)	26	Power (PoCL)

Hirose 6-pin connector, male,
HR10A-7R-6PB-73



Pin	Signal
1, 2	Power Input
3, 4	Reserved
5, 6	Ground

Ordering numbers

Number	Product name	Option
140052	PicSight P83M-PoCL	
140077	PicSight P83M-PoCL-RTF	Realtime function
999000	Mounting plate	For USB/CL cameras
16028	LV-SDS	Software API

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