PMC-LC8-CL Camera Module







Features

- ***Sensor Range : 8192 Pixels, 3.5 µm***
- ***White anodized aluminum Housing***
- ***Max Line Rate : 80 kHz***
- ***Interface : Camera Link***
- ***Automatic Tap Balance***
- ***Output Format : Momo8, 10, 12***
- ***Power : +12VDC ~ +24VDC***
- ***Connectors : 26-pin SDR Connectors***

Introduction

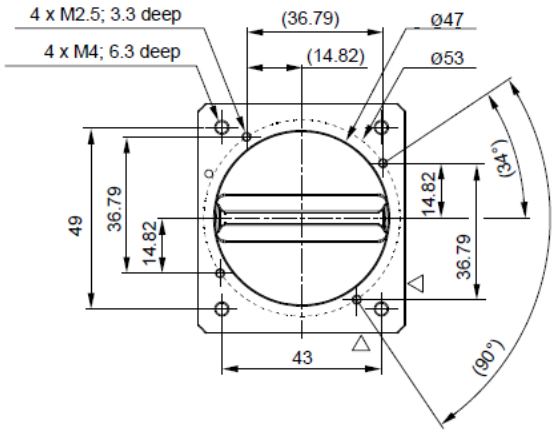
Monochrome Line scan Camera Module

Specification

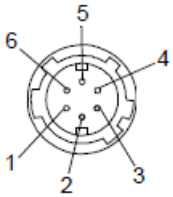
Resolution	8192 pixels max. 8160 pixels available with 1X10 tap geometry	
Sensor Type	Awaiba DR-8k-3.5 Monochrome Linear CMOS	
Pixel Size	3.5 µm x 3.5 µm	
Max Line Rate	80 kHz	
Min Line Rate	No minimum when an external line trigger signal is used 100 Hz when an external line trigger signal is not used	
Mono/Color	Mono	
Sensor Bit Depth	12 bit	
Data Output Type	Camera Link base, medium or full configuration	
Connectors	One 6-pin Hirose micro-miniature receptacle Two Camera Link 26-pin SDR connectors (also known as Mini Camera Link connectors)	
Camera Link Pixel Clock Speed (Nominal)	32.5 MHz, 48 MHz, 65 MHz, 83.5 MHz (selectable; for the difference between nominal and actual values)	
Camera Link Tap Geometry	1X, 1X2, 1X4, 1X8, 1X10	
Pixel Data Formats	Mono 8 Mono 10 Mono 12	
Synchronization	Via external trigger signal, via software trigger signal or free run	
Exposure Control	Programmable via the camera API	
Camera Power Requirements	+12 VDC (-10 %) to +24 VDC (+5 %), < 1 % ripple, supplied via the camera's 6-pin connector.	
Max Power Consumption (at 12 VDC)	< 4.5 W	< 5.5 W
I/O Lines	4 input lines (CC1 to CC4) and 1 output line (via Camera Link spare bit)	
Lens Adapter	Universal camera front, suitable for lens mount adapters with the following lens mounts: F-mount, M42x0.75-mount, M42x1.0-mount (FBD 16 mm), M42x1.0-mount (FBD 45.56 mm), M58x0.75-mount.	

* Module의 디자인은 변경될 수 있음.

Drawing



Connector



1	+12 VDC (- 10 %) to +24 VDC (+ 5 %), < 1 % ripple, Camera Power *
2	+12 VDC (- 10 %) to +24 VDC (+ 5 %), < 1 % ripple, Camera Power *
3	Not Connected
4	Not Connected
5	DC Ground **
6	DC Ground **

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