

PMS-CCN-100K15BSC

Gigabit Ethernet industrial camera

PMS-CCN-100K15BSC industrial camera with 10 MP (3840×2748), 1/2.3" rolling shutter CMOS sensor and 10 fps @ 3840×2748. Gigabit Ethernet output for machine vision, inspection and dimensional measurement.



Model Specifications	
Sensor	1/2.3" CMOS
Sensor Format	1/2.3"
Shutter Type	Rolling shutter
Resolution	10 MP (3840×2748)
Pixel Size	1.67 μm × 1.67 μm
Frame Rate	10 fps @ 3840×2748
Color Type	Monochrome
Interface	GigE (Gigabit Ethernet), 1 Gbit/s
Maximum Cable Length	100 m without a repeater
Protocol Compatibility	GigE Vision V2.0; GenICam
Signal-to-noise Ratio	>32 dB
Dynamic Range	65 dB
Gain Range	1×-32×
Bit Depth	12 bit
Exposure Time	25 μs-1 s
GPIO	6-pin Hirose: 1 opto-isolated input, 1 opto-isolated output and 1 configurable non-isolated input/output
Gamma	0-4; LUT supported
Image Buffer	64 MB
Memory Channel	2 groups of user-defined configurations
Image Format	Mono8/10/10Packed/12/12Packed
Binning	Supported
ROI	Supported
SPC	Supported
FPN	Supported

Model Specifications	
Power Supply	PoE or DC 6-26 V via Hirose connector
Power Consumption	Approximately 2.9 W at 12 V
Operating Temperature	-30 °C to +50 °C
Storage Temperature	-30 °C to +80 °C
Dimensions	29 × 29 × 42 mm
Weight	88 g
Lens Mount	C-mount

Features & Applications	
Feature 1	Gigabit Ethernet transfers uncompressed image data over cables up to 100 m without a repeater.
Feature 2	Automatic or manual gain, exposure and gamma adjustment; lookup-table processing.
Feature 3	GigE Vision V2.0 and GenICam compatibility for third-party software integration.
Applications	Machine vision; Industrial inspection; Microscopic imaging; Visual positioning; Dimensional measurement

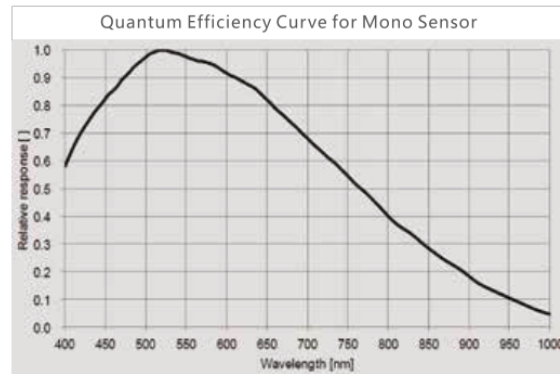
I/O Connector Pinout

Pin	Signal	Description
1	Power	+6-26 V DC supply
2	Line1	Opto-isolated input
3	Line2	Configurable non-isolated input/output
4	Line0	Opto-isolated output
5	IO GND	Optocoupler isolated ground
6	GND	DC power ground

Published specification notes

The image-format row has a trailing "SupportSupported" transcription artifact, omitted from the format tokens. PoE is published under power supply even though the data-interface row only says GigE.

PMS-CCN-100K15BSC sensor response curve from its model datasheet



PMS-CCN-100K15BSC product size diagram from its model datasheet

