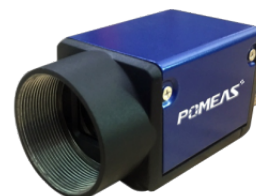


PMS-CCN-020Q25BSC-30

Gigabit Ethernet industrial camera

PMS-CCN-020Q25BSC-30 industrial camera with 2 MP (1920×1200), 1/1.2" global shutter CMOS sensor and 39 fps @ 1920×1200. Gigabit Ethernet output for machine vision, inspection and dimensional measurement.



Model Specifications	
Sensor	1/1.2" CMOS
Sensor Format	1/1.2"
Shutter Type	Global shutter
Resolution	2 MP (1920×1200)
Pixel Size	5.86 μm × 5.86 μm
Frame Rate	39 fps @ 1920×1200
Interface	GigE (Gigabit Ethernet), 1 Gbit/s
Maximum Cable Length	100 m without a repeater
Protocol Compatibility	GigE Vision V2.0; GenICam
Published Camera Output	Colour Camera (model table); B&W (series catalogs)
Bit Depth	12 bit
Signal-to-noise Ratio	>38 dB
Dynamic Range	>70 dB
Exposure Time	26 μs-1 s
GPIO	6-pin Hirose: 1 opto-isolated input, 1 opto-isolated output and 1 configurable non-isolated input/output
Image Format	Mono8; BayerRG8/10/10Packed; BayerGB8/10/10Packed; YUV422Packed
Power over Ethernet	Supported
Binning	Not supported
ROI	Supported
X Flip	Supported
Y Flip	Supported
Gain Range	1×-32×
White Balance	Normal auto white balance
Gamma	0-4; LUT supported

Model Specifications	
Image Buffer	128 MB
Memory Channel	2 groups of user-defined configurations
SPC	Supported
Power Supply	PoE or DC 6-26 V via Hirose connector
Power Consumption	2.8 W at 12 V
Operating Temperature	-30 °C to +50 °C
Storage Temperature	-30 °C to +80 °C
Operating Humidity	20-95% RH, non-condensing
Dimensions	29 × 29 × 42 mm, excluding lens mount and rear housing connector
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

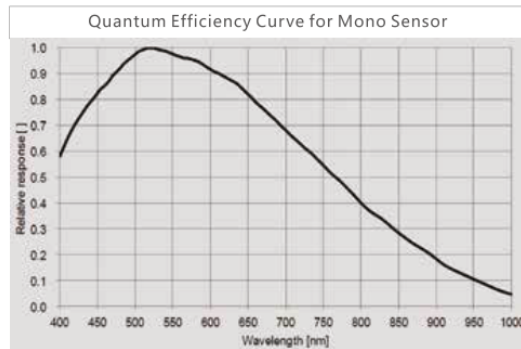
Pin	Signal	Description
1	Power	+6-26 V DC supply
2	Line1	Opto-isolated input
3	Line2	NA (as printed)
4	Line0	Opto-isolated output
5	IO GND	Optocoupler isolated ground
6	GND	DC power ground

Published specification notes

The exact-model table calls this color and lists Bayer formats; both series catalogs call it B&W. Image type remains unconfirmed and is excluded from mono/color filters. The detailed table and catalogs identify a global-shutter CMOS sensor, despite the CCD listing.

The connector pin table marks pin 3 as NA, while the GPIO summary describes a configurable I/O. Confirm the pin assignment before wiring. The model table specifies a 128 MB buffer; the feature boilerplate says 64 MB.

PMS-CCN-020Q25BSC-30 sensor response curve from its model datasheet



PMS-CCN-020Q25BSC-30 product size diagram from its model datasheet

