

PMS-CCN-120P15BSC

Gigabit Ethernet industrial camera

PMS-CCN-120P15BSC industrial camera with 12 MP (4096×3000), 1.1" global shutter CMOS sensor and 9 fps @ 4096×3000. Gigabit Ethernet output for machine vision, inspection and dimensional measurement.



Model Specifications	
Sensor	1.1" CMOS
Sensor Format	1.1"
Shutter Type	Global shutter
Resolution	12 MP (4096×3000)
Pixel Size	3.45 μm × 3.45 μm
Frame Rate	9 fps @ 4096×3000
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
Bit Depth	12 bit
Signal-to-noise Ratio	>38 dB
Dynamic Range	>70 dB
Gain Range	1×-32×
White Balance	Supported
Gamma	0-4; LUT supported
Exposure Time	48 μs-1 s
GPIO	6-pin Hirose: 1 opto-isolated input and 1 opto-isolated output
Image Format	Mono8/10/10Packed/12/12Packed
Binning	Supported
Decimation	Not supported
ROI	Supported
X Flip	Supported
Y Flip	Supported
Image Acquisition Mode	Software trigger / hardware trigger / free run

Model Specifications	
Image Buffer	128 MB
Power over Ethernet	Supported
SPC	GigE, PoE (as printed; not a confirmed SPC specification)
FPN	Not supported
Memory Channel	2 groups of user-defined configurations
Power Supply	PoE or DC 6-26 V via Hirose connector
Power Consumption	3.2 W at 12 V
Operating Temperature	-30 °C to +50 °C
Storage Temperature	-30 °C to +80 °C
Dimensions	29 × 44 × 58 mm, excluding lens mount and rear housing connector
Weight	100 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

Published specification notes

The model table specifies a 1.1-inch sensor; the series catalogs print 1/1 inch. The exact-model format is used. The 128 MB buffer in the parameter table takes precedence over 64 MB feature boilerplate.

The published SPC row repeats “GigE, PoE”; it is preserved as an unresolved source error. A model-specific PDF is not linked on this product page; the sheet is typeset from the exact-model parameter image and corroborating series catalogs.