CAM-CIC-5MR-14-GC Cognex 5MP 14fps 1/2.5"CMOS GigE Camera Datasheet

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Category: Machine Vision & Identification

Price: **$300.00**

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https://www.equipspares.com/product/cam-cic-5mr-14-gc-cognex-5mp-14fps-1-2-5cmos-gige-camera

Product Description

Cognex CAM-CIC-5MR-14-GC 29 mm x 29 mm x 42 mm 12 to 24 VDC 5 MP 14 fps area-scan camera is a high-resolution imaging solution featuring a 1/2.5 " Aptina MT9P031 CMOS sensor. The hardware utilizes a rolling shutter mechanism to capture 2592 x 1944 pixel images via a GigE Vision interface. Encased in a compact aluminum housing, the unit incorporates a C-mount lens interface and supports power delivery through Power over Ethernet (PoE) or a dedicated auxiliary input. Internal architecture provides a 12 bit depth and maintains a 2.5 W power consumption profile under standard operating conditions.

CAM-CIC-5MR-14-GC Specifications
Model: CAM-CIC-5MR-14-GC
Brand: Cognex
Series: CIC (Cognex Industrial Camera)
Resolution: 5 MP (2592 x 1944 pixels)
Sensor Type: 1/2.5 " Aptina MT9P031 CMOS
Shutter Type: Rolling Shutter
Frame Rate: 14 fps
Interface: GigE Vision (Gigabit Ethernet)
Pixel Size: 2.2 µm x 2.2 µm
Bit Depth: 12 bits

Lens Mount: C-mount
Chroma: Color
Supply Voltage: 12 to 24 VDC
Power Consumption: 2.5 W (PoE) / 2.2 W (Aux)
Power Input: PoE (IEEE 802.3af) or 6-pin Hirose
I/O Ports: 1 x opto-isolated input, 1 x opto-isolated output
Dimensions: 29 mm x 29 mm x 42 mm
Weight: 90 g
Operating Temperature: 0 to 50 °C
IP Rating: IP30
Cable Compatibility: CGE-CBL-FLEX-H-5M (5 m High-Flex GigE)
Certifications: CE, UL, FCC, RoHS, GenICam

CAM-CIC-5MR-14-GC Applications

Primary applications include integration into automated optical inspection (AOI) systems, robotic pick-and-place machinery, and semiconductor wafer alignment stations. Deployed within pharmaceutical packaging lines for label verification and automotive assembly cells for precision dimensional gauging.

Supplemental Images


COGNEX
CAM-CIC-5MR-14-GC
Made in Germany
CGE-CBL-FLEX-H-5M