MV-CH1510-10XM-M72-TF

151 MP CMOS CoaXPress Area Scan Camera
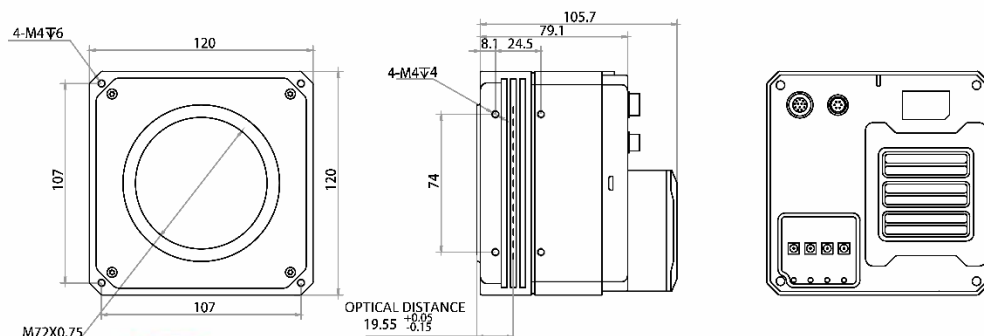

GEN<i>CAM

CoaXPress®

Introduction

MV-CH1510-10XM-M72-TF camera adopts Sony® IMX411 sensor to provide high-quality image. It uses CoaXPress interface to transmit non-compressed images in real time with max. frame rate reaching 6.2 fps in full resolution.

Key Feature

- Resolution of 14208 × 10640, and pixel size of 3.76 μm × 3.76 μm
- Adopts rolling shutter CMOS to provide high dynamic range, SNR, and high-quality image
- Adopts CoaXPress interface to transmit data
- Supports Off, Once, Continuous exposure mode, and global reset
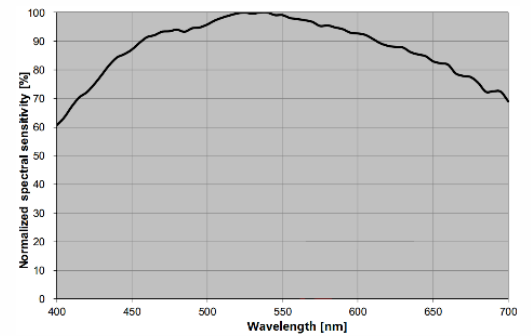- Compatible with CoaXPress Protocol, GenICam Standard, third-party software based on the protocol and standard

Available Model

Mono camera: MV-CH1510-10XM-M72-TF

Applicable Industry

PCB AOI, FPD, high-accuracy measurement, etc.

Sensor Quantum Efficiency

Dimension

Specification

Model	MV-CH1510-10XM-M72-TF
Camera	
Sensor type	Rolling shutter CMOS
Sensor model	Sony® IMX411
Pixel size	3.76 µm × 3.76 µm
Sensor size	60.33 mm × 47.9 mm
Resolution	14208 × 10640
Max. frame rate	6.2 fps @14208 × 10640
Dynamic range	90 dB
SNR	45 dB
Gain	0 dB to 30 dB
Exposure time	15 µs to 10 s
Shutter mode	Off/Once/Continuous exposure mode, supports global reset
Mono/color	Mono
Pixel format	Mono 8 /10/12
Binning	Not support
Decimation	Not support
Reverse image	Supports horizontal reverse image output
Electrical features	
Data interface	CoaXPress with DIN interface
Digital I/O	12-pin Hirose connector provides I/O, including opto-isolated input x 1 (Line 0), opto-isolated output x 1(Line 1), bi-directional non-isolated I/O x 1 (Line 2), and RS232 x 1.
Power supply	24 VDC
Power consumption	Approx. 17 W@24 VDC
Structure	
Lens mount	M72-Mount, optical back focal length 19.55 mm (0.8")
Dimension	120 mm × 120 mm × 105.7 mm (4.7" × 4.7" × 4.2")
Weight	Approx. 2.9 kg (6.4 lb.)
Ingress protection	IP40 (under proper lens installation and wiring)
Temperature	Working temperature: 0 °C to 50 °C (32 °F to 122 °F)
	Storage temperature: -30 °C to 70 °C (-22 °F to 158 °F)
Humidity	20% to 95% RH, without condensation
General	
Client software	Frame grabber software meeting with CoaXPress Protocol
Operating system	32/64-bit Windows 7/10 with 8 GB memory or above
Compatibility	CoaXPress, GenlCam
Certification	CE, FCC