

MV-CH1510-11XM-M72-TF

151 MP CMOS CoaXPress Area Scan Camera



GEN*i*CAM

CoaXPress®

Introduction

MV-CH1510-11XM-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, global reset.
- Adopts TEC to keep the camera's sensor temperature around environment temperature.
- Compatible with CoaXPress Protocol, GenICam Standard, and third-party software based on the protocol and standard.

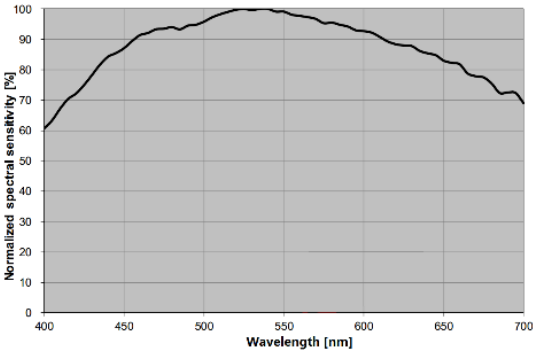
Available Model

MV-CH1510-11XM-M72-TF

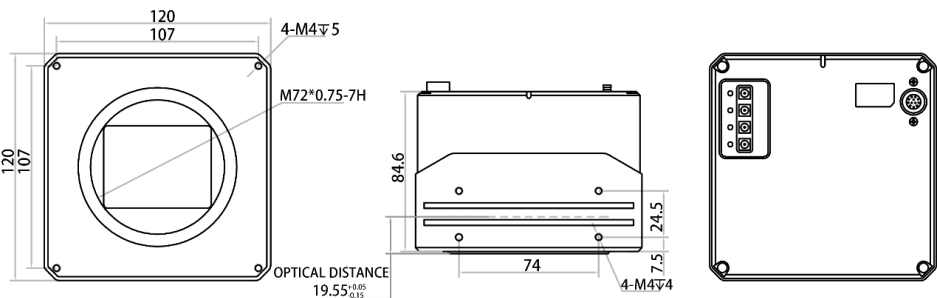
Applicable Industry

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

Sensor Quantum Efficiency



Dimension



Specification

Model	MV-CH1510-11XM-M72-TF
Camera	
Sensor type	CMOS, rolling shutter
Sensor model	Sony® IMX411
Pixel size	3.76 μm × 3.76 μm
Sensor size	66.7 mm
Resolution	14208 × 10640
Max. frame rate	6.2 fps @14208 × 10640
Dynamic range	78.7 dB
SNR	45 dB
Gain	0 dB to 30 dB
Exposure time	15 μs to 10 sec
Exposure mode	Off/Once/Continuous exposure mode
Sensor shutter mode	Supports Global Reset and Rolling
Mono/color	Mono
Pixel format	Mono 8 /10/12/16
Binning	Supports 1 × 1, 1 × 2, 1 × 4, 2 × 1, 2 × 2, 2 × 4, 4 × 1, 4 × 2, 4 × 4
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 × 1 (Line 0), opto-isolated output × 1 (Line 1), bi-directional non-isolated I/O × 1 (Line 2), and RS-232 × 1.
Power supply	24 VDC
Power consumption	Typ. 21 W@24 VDC (non-TEC cooling mode) Typ. 55 W@24 VDC (TEC cooling mode)
Mechanical	
Lens mount	M72-Mount, optical back focal length 19.55 mm (0.8")
Dimension	120 mm × 120 mm × 84.6 mm (4.7" × 4.7" × 3.3")
Weight	Approx. 1.9 kg (4.2 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, non-condensing
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, GenICam
Certifications	CE, FCC, RoHS, KC