# VC-12MX-M/C 330 F

The Fastest Speed & High Resolution CMOS Digital Camera with CoaXPress Interface



The VC-12MX-330 F camera, the latest member of the industry proven VC series, is based on the latest CMOS global shutter imager. Equipped with the Vieworks' innovative technologies proved by the world's top FPD manufacturers, this camera offers not only the highest frame rate but also highly uniformed images. This camera supports 12 megapixel resolutions with frame rate up to 335 fps (CoaXPress – 8 Channels). Its CoaXPress interface supports transmitting image data at up to 25 Gbps using four coaxial cables and up to 50 Gbps using eight cables.

Featured with high quality image uniformity and high resolution, this camera is ideal for wide range of demanding applications including FPD, PCB and semiconductor inspections.



#### **Main Features**

- 12 Megapixels Resolution
- High–Speed Progressive Scan CMOS Imager
- Global Shutter CMOS Technology
- CoaXPress Interface up to 335 fps at 50 Gbps using 8 CH
- Flat Field Correction
- Low Noise with Optimized Heat Treatment

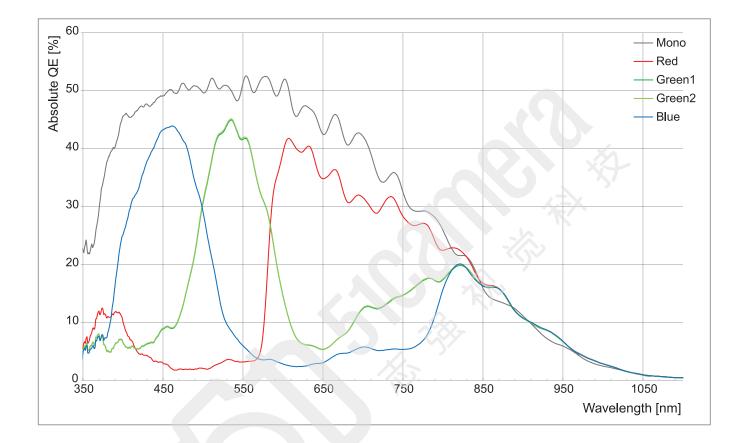
### Applications

- FPD and Electronics Inspection
- Semiconductor Inspection
- Research and Scientific Imaging
- Document / Film Scanning

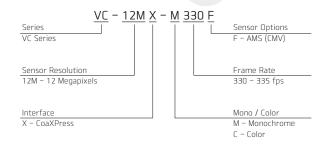
## Specifications

Model		VC-12MX-M/C 330 F
Resolution (H $ imes$ V)		4096 × 3072
Sensor		CMOSIS CMV 12000
Sensor Size		22.5 mm $ imes$ 16.9 mm (Diagonal: 28.1 mm)
Sensor Type		High Speed CMOS Image Sensor
Pixel Size		5.5 $\mu$ m $ imes$ 5.5 $\mu$ m
Interface		CoaXPress
Max. Frame Rate		4 CH: 188 fps @ 6.25 Gbps
		8 CH: 335 fps @ 6.25 Gbps
Exposure Time (1 $\mu$ s step)		16 μs – 60 s
Partial Scan (Max. Speed)		27777 fps at 4 Lines
Pixel Data Format		8 bit
Electronic Shutter		Global Shutter
Gain Control		×1 ~ ×4 (0 ~ 12 dB)
Black Level Control		0 - 16 LSB at 8 bit
Trigger Synchronization		Free-Run, Timed, Trigger Width
Dynamic Range		54 dB
Dimension / Weight		90 mm $ imes$ 90 mm $ imes$ 114 mm, 745 g (F-mount)
Temperature		Operating: 0℃ ~ 40℃ (Housing: 10℃ ~ 50℃), Storage:  –40℃ ~ 70℃
Lens Mount		F-mount
Power	External	8 ~ 30 V DC, Typ. 18 W
	PoCXP	24 V DC, Minimum of four PoCXP cables required
Compliance		CE, FCC, KC
API SDK		Vieworks Imaging Solution 7.X
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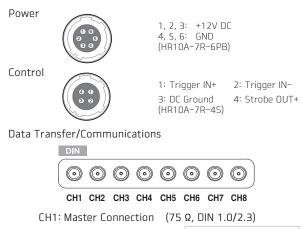
# Spectral Response



### **Ordering Scheme**

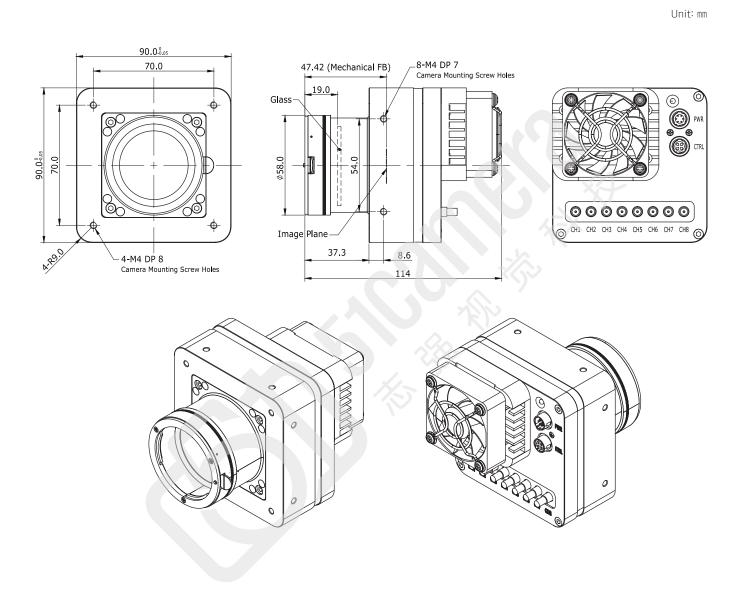


## **Connector Specification**



Connectors on camera body

## **Mechanical Dimensions**



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