

Model	VC-12MX-M/C 180
Resolution (H × V)	4096 × 3072
Sensor	CMOSIS CMV 12000
Sensor Size (Optical Format)	22.5 mm × 16.9 mm (Diagonal: 28.14mm, APS-like)
Sensor Type	High Speed CMOS Image Sensor
Pixel Size	5.5 μm × 5.5 μm
Interface	CoaXPress
Max. Frame Rate	1 CH: 45 fps @ 6.25 Gbps 2 CH: 90 fps @ 6.25 Gbps 4 CH: 180 fps @ 6.25 Gbps
Exposure Time (1 μs step)	43 μs - 60 s
Partial Scan (Max. Speed)	11494 fps at 4 Lines
Pixel Data Format	8 bit
Electronic Shutter	Global Shutter
Gain Control	×1 ~ ×4
Black Level Control	0 - 16 LSB at 8 bit, 0 - 64 LSB at 10 bit
Exposure Mode	Free-Run, Timed, Trigger Width
Dynamic Range	54 dB
Dimension / Weight	80 mm × 80 mm × 101 mm, 620 g
Temperature	Operating: -5°C ~ 40°C, Storage: -40°C ~ 70°C
Lens Mount	F-mount
Power	Adapter : 10 ~ 38 V DC, MAX. 14 W PoCXP : 24 V DC, Minimum of two PoCXP cables required
API SDK	Vieworks Imaging Solution 7.X



## Power

1 2 3: +12V DC, 4 5 6: GND (HR10A-7R-6PB)



## Control

1: Trigger IN+, 2: Trigger IN-  
3: DC Ground, 4: Strobe OUT+ (HR10A-7R-4S)

