



VC-12MX-M180 VC-12MX-C180

Specifications

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: 28.14 mm, 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
Pixel Data Format	8 bit
Electronic Shutter	Global Shutter
Gain Control	×1 ~ ×4
Black Level Control	0 - 63 LSB, 64 steps
Trigger Mode	Free-Run, External Sync. Programmable Exposure Time and Trigger Polarity
Dynamic Range	54 dB
Dimension / Weight	80 mm × 80 mm × 100 mm, 590 g (F-mount)
Temperature	Operating: 0°C ~ 40°C, Storage: -30°C ~ 70°C
Lens Mount	C or F-mount
Power	8 ~ 30 V DC, MAX. 12 W (1.0A @ 12V DC)
Configuration Software	Vieworks Imaging Solution

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)

Data Transfer/Communications



CH1 CH2 CH3 CH4

CH1: Master Connection
(75 Ω, DIN 1.0/2.3)

Connectors on camera body



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