

Model	VA-29MC2-M6
Resolution (H × V)	6576 × 4384
Pixel Size	5.5 μm × 5.5 μm
Sensor Type	Progressive Scan Interline Transfer CCD
Sensor Size (Optical Diagonal)	36.17 mm × 24.11 mm (35 mm)
Sensor (ON Semiconductor)	KAI-29050
Sensor Output	1, 2 or 4 Tap
Interface	Camera Link
Max. Frame Rate	Normal Speed: 4.8 fps (Camera Link Base Configuration) High Speed: 6.1 fps (Camera Link Medium Configuration)
Exposure Time	1 μs ~ 60 s (10 μs step)
Partial Scan (Max. Speed)	18 fps at 1000 Lines
Pixel Data Format	8 / 10 / 12 bit
Electronic Shutter	Global Shutter
Data Output (1,2 Tap)	Normal: 40 MHz / High: 52 MHz
Pixel Clock Speed (4tap)	Normal: 80 MHz / High: 52 MHz
Trigger Mode	Free-Run, Standard, Fast, Double, Overlap Programmable Exposure Time and Trigger Polarity
Dynamic Range	64 dB
Binning	×1, ×2, ×4 (Horizontal and Vertical Independent)
Gamma Correction	User Defined Lookup Table (LUT)
Analog Offset	Adjustable (0 ~ 127 LSB at 12 bit, 256 steps)
Analog Gain	0 ~ 32 dB, 900 steps
Dimension / Weight	68 mm × 68 mm × 102 mm, 500 g (with F-mount)
Lens Mount	F-mount, Custom mount available upon request
Temperature	Operating: -5°C ~ 40°C, Storage: -40°C ~ 70°C
Power	10 ~ 14 V DC, Typical 9.5 W
Compliance	CE, FCC, KC
Configuration Software	Configurator



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)

