

Model	VA-1MC-M/C 120
Resolution (H × V)	1024 × 1024
Sensor (Truesense Imaging)	KAI-01050
Sensor Size (Optical Format)	1/2"
Sensor Type	Progressive Scan Interline Transfer CCD
Pixel Size	5.5 μm × 5.5 μm
Sensor Output	1, 2 or 4 Tap
Interface	Camera Link
Max. Frame Rate	125 fps
Exposure Time	1/100000 ~ 7 s (10 μs step)
Partial Scan (Max. Speed)	337 fps at 120 Lines
Pixel Data Format	8 / 10 / 12 bit
Electronic Shutter	Global Shutter
Data Output / Pixel Clock Speed	40 MHz (1 or 2 Tap) / 80 MHz (4 Tap)
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)
Lookup Table	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 × 54 mm, 420 g (with C-mount) 68 mm × 68 mm × 83 mm, 460 g (with F-mount)
Temperature	Operating: -5°C ~ 40°C, Storage: -40°C ~ 70°C
Lens Mount	C or F-mount, Custom mount available upon request
Power	10 ~ 14 V DC, MAX. 6 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)

