

Model	VA-29MG2-M/C 2
Resolution (H × V)	6576 × 4384
Sensor (Truesense Imaging)	KAI-29050
Sensor Size (Optical Format)	35 mm
Sensor Type	Progressive Scan Interline Transfer CCD
Pixel Size	5.5 μm × 5.5 μm
Sensor Output	1 or 2 Tap
Interface	Gigabit Ethernet
Max. Frame Rate	1.2fps / 2.3 fps
Exposure Time	16 μs ~ 7 μs
Partial Scan (Max. Speed)	8.8 fps at 500 Lines
Pixel Data Format	8 / 10 / 12 bit
Electronic Shutter	Global Shutter
Pixel Clock Speed (Data Output)	30 MHz / 40 MHz
Exposure Mode	Timed Exposure, Trigger Width Exposure, Double Exposure
Dynamic Range	64 dB
Binning	×1, ×2, ×3 ×4 ×8 (Horizontal and Vertical Independent)
Lookup Table	User Defined Lookup Table (LUT)
Analog Offset	Adjustable (0 ~ 127 LSB at 12 bit, 256 steps)
Gain Control	×1 ~ ×40 (0 ~ 32 dB)
Auto Control	Auto Gain, Auto Exposure, Auto White Balance
Camera Image Memory	128MB
Dimension / Weight	68 mm × 68 mm × 104 mm, 500 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 ~ 15 V DC, MAX. 6 W
Compliance	CE, FCC, KC
API SDK	Vieworks Imaging Solution 6.X or above



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)

