

Model	VH-16MG2-M/C 4
Resolution (H × V)	4872 × 3248
Sensor	Truesense Imaging KAI-16000
Sensor Size (Optical Format)	35 mm
Sensor Type	Progressive Scan Interline Transfer CCD
Pixel Size	7.4 μm × 7.4 μm
Sensor Output	1 or 2 Tap
Pixel Data Format	8 bit, 10 bit, 12 bit
Output Format	Mono : Mono8, Mono10, Mono10 packed, Mono12, Mono12 packed Color : Bayer8, Bayer10, Bayer10 packed, Bayer12, Bayer12 packed
Interface	Gigabit Ethernet
Electronic Shutter	Global Shutter
Shutter Speed (10 μs step)	209 μs ~ 7 s
Partial Scan (Max. Speed)	15 fps at 406 Lines
Binning	×1, ×2 ×3, ×4 ×8 (Horizontal and Vertical Dependent)
Lookup Table	G = 1.0, User Defined Lookup Table (LUT)
Black Level	Adjustable (0 ~ 127 LSB at 12 bit, 256 steps)
Gain Control	×1 ~ ×40
Max. Frame Rate	2.2 fps / 4.2 fps
Data Output / Pixel Clock Speed	30 / 40 Mhz
Exposure Mode	Timed Exposure, Trigger Width Exposure, Double Exposure
Dynamic Range	64 dB
Auto Control	Auto Gain, Auto Exposure, Auto White Balance
Camera Image Memory	128 MB
Dimension / Weight	68 mm × 68 mm × 54 mm , 395 g (with C-Mount) 68 mm × 68 mm × 83 mm , 430 g (with F-Mount)
Temperature	Operating: -5°C ~ 40°C, Storage: -40°C ~ 70°C
Lens Mount	F-mount
Power	10 ~ 15 V DC, Max. 10 W
API SDK	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)

