

Model	VH-4MC-M/C 20
Resolution (H × V)	2048 × 2048
Sensor	Truesense Imaging KAI-4021
Sensor Size (Optical Format)	4/3"
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
Interface	Base Camera Link
Electronic Shutter	Global Shutter
Shutter Speed (10 μs step)	66 μs ~ 7 s
Partial Scan (Max. Speed)	77 fps at 256 Lines
Binning	×2, ×4 (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 ~ ×4
Max. Frame Rate	11 fps / 20 fps
Data Output / Pixel Clock Speed	50 Mhz
Trigger Mode	Free-Run, Standard, Fast, Double, Overlap Programmable Exposure Time and Trigger Polarity
Dynamic Range	62 dB
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-mount or F-mount
Power	10 ~ 14 V DC, Max. 8 Wed
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)

