

Model	VL-8KC-M80
Resolution (H × V)	8192 × 1
Sensor (Awaiba)	DR-8k-7
Max. Line Rate	77 kHz
Sensor Type	Linear CMOS
Pixel Size	7.0 μm × 7.0 μm
Dual Line Technology	N/A
Acquisition Mode	Single Line
Image Direction	N/A
Sensor Output	2, 4 or 8 Tap
Pixel Data Format	8 / 10 / 12 bit (12 bit mode supports 2 and 4 Tap)
Dynamic Range	66 dB
Interface	Camera Link (Base / Medium / Full)
Camera Link Clock Speed	85 MHz
Max. Cable Length	10 m (@85 MHz, Standard CL Cable)
Trigger Mode	Free-Run, External Sync, External Sync Converter Programmable Exposure Time and Trigger Polarity
Exposure Time (0.01 μs step)	2.00 ~ 10000.00 μs
Gamma Correction	User Defined Lookup Table (LUT)
Black Level	Adjustable (0 ~ 2048 LSB at 12 bit)
Gain Control	Digital Gain: ×1.00 ~ ×32.00
Lens Mount	M72 × 0.75 (Sensor to Camera Front: 12 mm)
Dimension / Weight	80 mm × 80 mm × 54 mm , 420 g
Temperature	Ambient Operating: 0°C ~ 40°C (Housing: 0°C ~ 60°C), Storage: -40°C ~ 70°C
Power	8~28 V DC, Max. 8W
Configuration Software	Configurator



Power

1 2 3: +12V DC, 4 5 6: GND (HR10A-7R-6PB)



Control

1 : Trigger IN+, 2 : Trigger IN-  
3 : Strobe OUT- (GND), 4 : Strobe OUT+ (HR10A-7R-4SB)

