

Model	VNP-29MC-M/C 5
Resolution (H × V)	X1 Mode : 6576 × 4384, 28.8M X4 Mode : 13152 × 8768, 115.3M X9 Mode : 19728 × 13152, 259.5M
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
Max. Frame Rate	28.8 Mode : 5 fps/ 115.3 Mode : 1.3 fps/ 259.5 Mode : 0.6 fps
Electronic Shutter	Global Shutter
Pixel Data Format	8 bit, 10 bit, 12 bit
Interface	Base Camera Link
Data Output Pixel Clock Speed	40/80 MHz
Partial Scan (Max. Speed)	15.3 fps at 1200 Lines
Trigger Mode	Free-Run, Fast, Double, Overlap, Programmable Exposure Time and Trigger Polarity
Dynamic Range	62 dB
Shift Range	0 ~ 15 μm , 1 nm step
Shift Resolution	0.001 μm
Shift Control	Manual Mode or Sequence Mode (4/9 Shot Mono, 4/16/36 Shot Color)
Shift Latency	< 8 ms
Dimension / Weight	94 mm × 120 mm × 181.5 mm , 2.3 kg
Temperature	Operating: 10°C ~ 40°C, Storage: -40°C ~ 70°C
Lens Mount	F-mount, Custom mount available upon request
Cooling Method	Thermoelectric Peltier Cooling
Cooling Performance	15 °C below ambient temperature - Standard cooling with a fan
Power	10 ~ 14 V DC, Max. 32 W
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)

