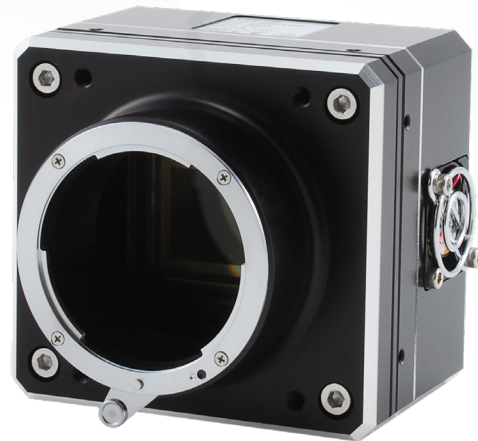




CMV-120 CL

Rolling Shutter CMOS

13,272 x 9,176 - 2.2µm PIXEL



The CMV-120 is a rolling shutter CMOS digital camera with an astounding 122 million pixels! The CMV-120 is available in color, color + IR, and monochrome versions and is designed for use in industrial, machine vision, aerial imaging, and document imaging applications.

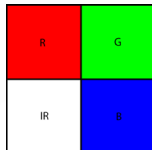
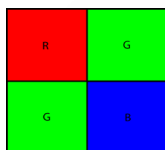
The CMV-120 uses the Canon 120MXSC and 120MXSM sensors in APS-H format. The sensors have 28 digital outputs each running up to 45Mhz. This results in 5.2 fps at full resolution. Higher frame rates can be achieved in ROI/windowing mode. The CMV-120 has all of the "rugged" features, such as industrial design, military de-rated components, and a CNC machined case. Fan cooling insures minimum dark current and excellent image quality.

CMV-120 CL CMOS HIGHLIGHTS

- ✓ 13,272 x 9,176 2.2µm active pixels
- ✓ Imaging area 29.22 x 20.20mm ~ APS-H
- ✓ Rolling Shutter CMOS: Dynamic Range 60dB
- ✓ Image Storage in Internal Memory
- ✓ Flat Field and Shading Correction
- ✓ Windowing ROI capability
- ✓ Field Updatable Firmware and Extensive Built In Test (BIT)
- ✓ Lens Mount Options: M58/OEM, M72, Nikon F, Canon EF
- ✓ Incredibly Low Dark Current for Long Exposures

CMV-120 CL CMOS SPECIFICATIONS

Sensor	Canon 120MXSC, 120MXSM
Architecture	Rolling Shutter CMOS
Configuration	Bayer Color, Bayer Color + IR, Mono
Active Pixels	13272 (H) x 9176 (V), 122 Mpix
Pixel Size	2.2 x 2.2µm with CDS
Active Image Size	29.22 x 20.20mm (APS-H)
Sensor Outputs	28 lvds outputs from sensor. Digitized 11 bits, Output 8/10 bits.
Frame Rate	See Table
Dynamic Range	60dB
Pixel Clock Speed	Up to 45Mhz
Full Well Charge	10000e
Minimum Exposure	100µs
Dark Noise	2.1e rms @ gain x8
Dark Current	8.1e-/s at 60C
Trigger Modes	Free Run, Trigger, Trigger Pulse Width
Lens Mount Options	M58/OEM, M72, Nikon F, Canon EF
Power	7-12VDC at 4-6W
Operating Temp	-30°C to +70°C
Image Correction	Pixel, Hot Pixel, Flat Field, Shading
Memory	Store and display up to 8 images



All illunis cameras come with our free camera control software, which allows interactive setup of all camera parameters.



Get in Touch

✉ info@illunis.com

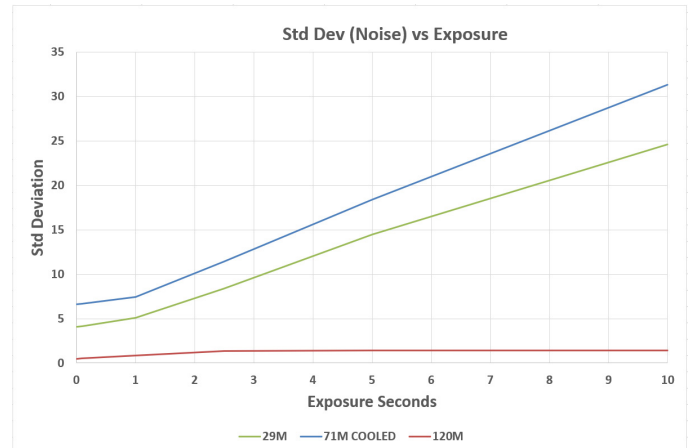


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NOISE PERFORMANCE



APPLICATIONS

- ✓ DE-MURA
- ✓ OLED/FPD INSPECTION
- ✓ LCD/FPD INSPECTION
- ✓ AERIAL IMAGING
- ✓ SCIENTIFIC IMAGING
- ✓ DNA SEQUENCING
- ✓ DOCUMENT IMAGING
- ✓ MILITARY APPLICATIONS
- ✓ PCB INSPECTION

Data Interface	pixel/bits	Frame Rate
Camera Link Full	8x8	5.2
Camera Link Deca	8x10bit	5.2