

EHD IMAGING GMBH

6.3MP UV CMOS-Camera

6.3 Megapixel UV CMOS Camera USB3.0 with Trigger

SCM178-UV-TR

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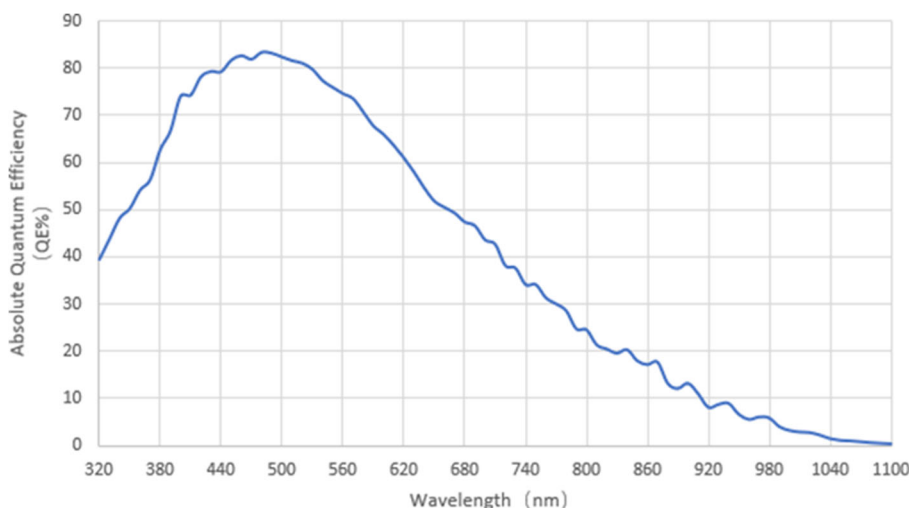


Key Features:

- 6.3MPixel (3072x2048)
- Rolling Shutter
- 300nm –900nm
- 20 μ s—60s
- 60 fps
- USB3.0 (Windows 10)
- Trigger I/O
- 2x GPIO's
- C Mount
- EHDView Software
- Software SDK

Optional:

- U340 Bandpass Filter



Specifications: SCM178-UV-TR

Parameter	Model	6.3M pixels 1/1.8" CMOS USB3.0 industrial camera
Camera		
Sensor model	Sony IMX178LLJ	
Pixel size	2.4 μm x 2.4 μm	
Sensor size	1/1.8"	
Frame rate	59.9fps@3072 x 2048, 59.9fps@1536 x 1024	
Conversion Gain	2.54 (e-/ADU)	
Readout Noise	2.14 (e-)	
Full Well	10.4 (ke-)	
Dynamic range	72dB	
Signal-to-Noise ratio	40.2dB	
Sensitivity	760mV	
Dark current	0.15mV	
Gain range	1x-50x	
Exposure time	17μs-15sec	
Shutter	Rolling shutter	
Binning	Hardware 2x2; Software 2x2, 3x3, 4x4	
Data interface	USB3.0 (USB3.1 GEN1)	
Digital I/O	One optical-coupling isolated input, one optical-coupling isolated output, two non-isolated input and output	
Data Format	8bit / 12bit	
General Specifications		
Power supply	Power with USB3.0/ DC12V	
Power consumption	<1.9W	
Temperature	Working temperature -10~50°C, storage temperature-30~70°C	
Humidity	20%-80%, no condensation	
Size	68mmx68mmx28.1mm	
Weight	217g	
Lens mount	C-mount	
Software	EHDView/ SDK	
Platform and architecture	Win32/WinRT/Linux/macOS/Android; X86/X64/armhf/armel/arm64	
Certification	CE, FCC	

SCM178-UV-TR Dimensions

