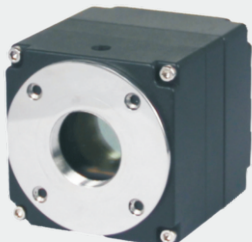


BSI High Sensitivity UV Camera

INDIGO
IMAGING



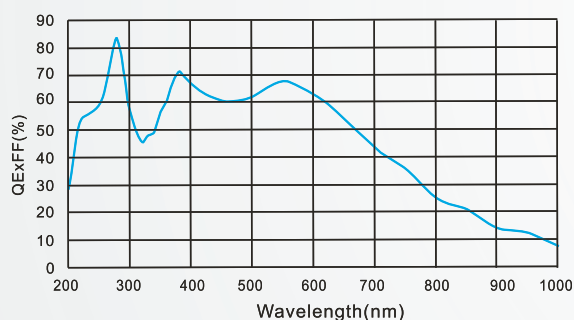
Applications

Semiconductor
Fingerprint inspection
Glass scratch inspection
Corona detection

Advantages

Back-thinned CMOS
Response from UV to NIR (180~1100nm)
83.3%@280nm Excellent UV imaging capability
Very low readout noise: 1.3e-
2048 x 2048 Resolution
High dynamic range up to 93dB
Multi trigger mode design
USB3.0 transport interface

Quantum Efficiency



Specification

Product model	S-UV-M-R-U
Sensor type	BSI CMOS
Resolution	2048x2048
Sensor size	2"
Color	Monochrome
Shutter type	Rolling Shutter
Pixel size	11μmx11μm
Quantum efficiency	83.3%@280nm
Readout noise	1.3e-
Full well capacity	100ke-
Dynamic range	93dB
Frame rate	24fps
Bit depth	16bit
Analog gain	High/low gain
Exposure model	Auto, Manual, Trigger
Exposure time	0.02ms~10s
Image processing	Image Enhancement, Noise Reduction, Contrast, ROI, Noise Reduction, mirror reversal, external trigger, gain, etc.
External trigger mode	Standard/synchronous/global/software trigger
Signal output	Exposure/readout/global
Optical interface	M42x0.75/C interface
Data interface	USB3.0
Power interface	USB3.0
Trigger interface	Hirose, HR10A-7R-6PB
Power supply	5V
Power consumption	<2.5 W
Size	351g, 60mm x 60mm x 64.5mm
Operating temperature	-40°C~50°C
Storage temperature	-55°C~70°C



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