



Product Line Card Imaging

2025 V1

For customized projects please Contact us:

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Scientific CMOS Cameras(190-1100nm)



**Soft X-Ray BSI sCMOS Camera
(80-1000eV)**



**High-speed sCMOS Camera
(200-1100 nm)**



**High Sensitivity sCMOS Camera
(200-1100 nm)**



**38M Pixel large Format sCMOS
(200-1100 nm)**



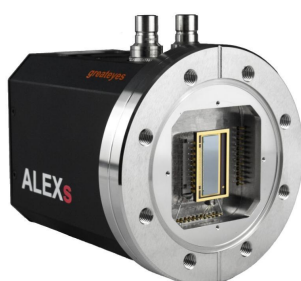
**Compact BSI/FSI sCMOS Camera
(200-1000 nm)**

Model	Description
soft X-ray BSI sCMOS Camera (80-1000eV)	Wavelength Range: 200-1100 nm(80-1000eV); Resolution: 2048×2048; QE:1~100%@80-1000eV;Frame rate:48fps@4MP
High-speed sCMOS Camera	Including high-speed linear array, high-speed area array camera; Wavelength Range: 200-1100nm Frame Rate: 450fps@8bit ; 300fps@10bit; 250fps@12bit; 225fps@8bit (area array) Frame Rate: 300kHz@12bit; 345kHz@10bit; 510kHz@8bit(linear array)
High Sensitivity sCMOS Camera	Wavelength Range:190-1100 nm,Resolution:2048×2048/800×600, Pixel size:6.5 μm×6.5 μm/11 μm×11μm;QE: 95%@560 nm
38M Pixel large Format sCMOS	Wavelength Range:200-1100 nm,Resolution:6144×6144/4096×4096, Pixel size:9 μm×9 μm/10 μm×10μm
Compact BSI/FSI sCMOS Camera	Wavelength Range:200-1000 nm,Resolution:2048×2048/2048×1152, Pixel size:6.5 μm×6.5 μm/11 μm×11μm

Scientific CCD Cameras(160-1100 nm)



**Full Frame CCD Camera for
UV-NIR
(160-1100nm)**



**Full Frame CCD Camera
for VUV EUV X-Ray**



**Full Frame In-vacuum CCD
Cameras
(5eV-20KeV)**



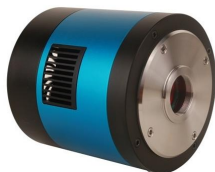
**Large Format In-
vacuum CCD
Cameras**

Model	Series	Wavelength	Pixel
Full Frame CCD Camera for UV-NIR	ELSEs	160 - 1100nm	1024 * (127,255) , 2048 * (264,512)
	ELSEi		1024 * 1024, 2048 * 2048, 4096 * 4112
Full Frame CCD Camera for VUV EUV X-Ray	ALEXs	5 eV - 20 keV	1024 * 255, 2048 * 512
	ALEXi		1024 * 1024, 2048 * 2048, 4096 * 4096
Large Format In-vacuum CCD Cameras	LOTTEs	5 eV - 20 keV	1024 * 255, 2048 * 512
	LOTTEi		1024 * 1024, 2048 * 2048, 4096 * 4096
Large Format In-vacuum CCD Cameras	/	5 eV - 20 keV	/

Microscope Cameras(200-1100 nm)



Microscope USB3.0 CCD Camera
(380-650nm)



Microscope TE-Cooling USB3.0 CCD Camera
(380-650nm)



Microscope USB3.0 CMOS Camera
(380-650nm)



TE-Cooling USB3.0 CMOS Camera
(380-650nm)



Microscope USB3.0 CMOS Camera with ISP



Microscope USB3.0 CMOS Camera UV Enhanced
(200-1100nm)



HDMI Color CMOS Camera



Eyepiece USB3.0 CMOS Camera

Camera Category	Wavelength	Resolution	Pixel Size
Microscope USB3.0 CCD Camera	380nm - 650nm	1.5MP to 12MP	6.45um to 3.1um
Microscope TE-Cooling USB3.0 CCD Camera	380nm - 650nm	1.5MP to 12MP	6.45um to 3.1um
Microscope USB3.0 CMOS Camera	380nm - 650nm	0.5MP to 45MP	6.9um to 1.55um
TE-Cooling USB3.0 CMOS Camera	380nm - 650nm	10MP to 45MP	4.63um to 2.31um
Microscope USB3.0 CMOS Camera with ISP	380nm - 650nm	1.5MP to 45MP	3.4um to 1.2um
Microscope USB3.0 CMOS Camera UV Enhanced	200nm -1100nm	1.3MP to 10MP	9.7um to 4.6um
HDMI Color CMOS Camera	380 - 1100nm	2MP to 8MP	/
Eyepiece USB3.0 CMOS Camera	380nm - 650nm	5MP	2um

Industrial Machine Vision Camera(200-1100 nm)



Single Line Scan Camera



Multi-line Scan Camera



256 Multi-line Scan Camera



Industry High Resolution Camera



Industry High Resolution Cooled Camera



High Speed Large Format Camera



Frame Grabber

Model	Resolution	Pixel Size	Frame Rate
Single Line Scan CMOS Camera	(2048 - 16384) * 1	3.5μm, 5.6μm, 7μm	30 ~80KHz
Multi-line Scan CMOS Camera	(4096-16384) *2	3.5μm, 5.6μm, 7μm	10~200KHz
BSI multi-line scan CCD camera	(4096-16384)*256	5μm	167 ~ 250Khz
High-resolution area array camera	26M,31M,65M	3.4μm, 4.5μm	4~12
Cooled area array camera	40M,65M,100M,150M,1.3B	3.1μm, 3.7μm	2~20
High-speed area array camera	3M to 65M	2.5μm,3.2μm, 4.5μm,5.5μm	30~409

Infrared Pyrometer



Pyroelectric Single-Element Detectors



Pyroelectric Multi-Channel Detectors



Pyroelectric IR Linear Detector /LVF



Infrared Pyrometers (-40~3000°C)



Infrared linear Array Camera



Infrared Matrix Array Cameras



Blackbody Calibration Sources (-15~1500°C)

Model	Wavelength	Resolution
Pyroelectric Single-Element Detectors	2~12 μm	1×1/1.2×1.2/2×2/ 3×3mm ² , $\varnothing$ 2.5/ $\varnothing$ 2/ $\varnothing$ 1 mm
Pyroelectric Multi-Channel Detectors	2~12 μm	2×2× 2/ 2×1×1/3×2×2/ 4×2×2 mm ² 3
Pyroelectric IR Linear Detector /LVF	2~12 μm	128/256/510
Infrared Pyrometers	0.7~14 μm	/
Infrared linear Array Camera	0.8~1.1 μm /3~5 μm /8~14 μm	128/256/512*1
Infrared Matrix Array Cameras	0.8~1.1 μm /3~5 μm /8~14 μm	384×288/512×384/ 640×480/768×576
Blackbody Calibration Sources	/	/

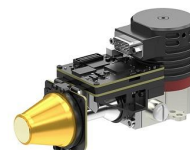
Infrared Cameras



Short-Wave Infrared Camera



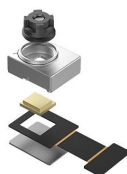
Cooled Mid-Wave Infrared Detectors



Cooled Mid-Wave Infrared Camera



Cooled MIR & LWIR Infrared Detectors



Thermal Imaging Cameras for Phone



Cooled Long-Wave Infrared Detectors



Cooled Long-Wave Infrared Camera



Compact Uncooled LWIR Thermal Image Camera for Drone



Uncooled LWIR Thermography Camera



Thermography Camera for Skin Temperature Screening

Product		Spectral Range	Resolution
Short-Wave Infrared Camera		400-1700nm	1.3MP, 0.3MP
MIR Camera	Cooled Mid-Wave Infrared Detectors	3.7um to 4.8um	0.08MP, 0.3MP, 1.5MP
	Cooled Mid-Wave Infrared Camera	3.7um to 4.8um	0.08MP, 0.3MP, 1.5MP
	Cooled MIR & LWIR Infrared Detectors	3.7 to 4.8um 7.7 to 9.5um	320*256
LWIR Camera	Cooled LWIR Detector	7.7um to 9.4um	0.08MP, 0.3MP
	Cooled LWIR Camera	7.7um to 9.4um	0.3MP
	Uncooled LWIR Thermography Camera	8 to 14um	0.08MP, 0.3MP, 1.5MP
	Thermography Camera for Skin Temperature Screening	8 to 14um	320*256
	Thermal Imaging Cameras for Phone	8 to 14um	256*192
	Compact Uncooled LWIR Thermal Image Camera for Drone	8 to 14um	0.08MP, 0.3MP

Solar Blind UV Camera



Solar Blind UV Imaging Module



UV-VIS Online Monitoring Module



UV-VIS Dual Channel Camera



UV-VIS-IR Triple Spectral Fusion Camera



Ultraviolet Camera for Drone

Model	Technical Specifiacion
Solar Blind UV Imaging Module 720*576 (240-280nm)	QE:≥25%, MCP Gain:≥10 ⁵ @1750V, Spectral Range:240~280nm, Center Wavelength:265nm, Resolution:720×576, Focal Length:112mm
Solar Blind UV Imaging Module 1280*720 (240-280nm)	QE:≥25%, MCP Gain:≥10 ⁵ @1750V, Spectral Range:240~280nm, Center Wavelength:265nm, Resolution:1280×720, Focal Length:35/50/112mm
UV-VIS Dual Channel Online Monitoring Module	UV Spectral Range:240-280nm, UV/VIS Overlay Accracy:≤1mrad, Focal Distance:≥3m, Display Resolution:1280×720, Display Mode:UV/VIS/fusion
UV-VIS Dual Channel Camera	UV Spectral Range:240-280nm, UV/VIS Overlay Accracy:≤1mrad, Focal Distance:≥3m, Display Resolution:640×480, Display Mode:UV/VIS/fusion
LCD Touch-Screen Solar Blind UV Camera 1280*720	UV Spectral Range:240-280nm, UV/VIS Overlay Accracy:≤1mrad, Focal Distance:≥3m, Resolution:1280×720, Storage:SD card@64G
UV-VIS-IR Triple Spectral Fusion Camera	UV Spectral Range:240-280nm, IR Resolution:640×480, UV/VIS Overlay Accracy:≤1mrad, Focal Distance:≥3m, Display Resolution:640×480, UV Spectral Range:240-280nm, UV/VIS Overlay Accracy:≤1mrad, Focal Distance:≥3m, Resolution:1280×720, Field of view:12.4°×7°
Ultraviolet Camera for Drone 1280*720	UV Spectral Range:240-280nm, UV Resolution:1280×1024, IUV/VIS Overlay Accracy:≤1mrad, Focal Distance:≥3m
Lightweight UV Camera for Drone Support 2nd Development	