

CONTRAST**TECH**®

ULTRAVIOLET CAMERAS COLLECTION

iBoost X Series

- ⦿ Multiple Resolutions from 0.5MP to 16.8MP
- ⦿ USB3.0 / CameraLink/10GigE Optional
- ⦿ Exceptional UV Responsivity, Ultra-Low Dark Current
- ⦿ Diverse UV lenses options—premium quality, competitive cost
- ⦿ Outstanding Peak QE for superior UV sensitivity



Ultraviolet (UV) Camera

► Main Features

- High-performance UV imaging solutions covering 200–1000nm spectrum
- Resolution range from 0.5MP to 16.8MP for versatile applications
- Ultra-low dark current & wide dynamic range for clean, detailed images
- Full spectrum coverage from Visible to NIR



► Applications



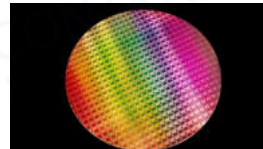
Energy Supply



Disposal and Recycling



Life Science and Medicine



Inspection of Silicon Wafer



Food and Agriculture

► Specifications

Model	Sensor	Resolution (H*V)	Frame Rate (FPS)	Sensor Size	Pixel Size (μm)	Dynamic Range(dB)	Peak QE (nm)	Exposure Time	Shutter	Interface	Mount
iBX-UVU05G	GLUX1605BSI	800×600	60	1"	16	84.72	91%@550	27us~60s	Rolling	USB 3.0	C
iBX-UVU05G-K	GLUX1605BSI	800×600	60	1"	16	84.72	95%@560	27us~60s	Rolling	USB 3.0	C
iBX-UVU1G	GLUX9701BSI	1280×1024	30	1"	9.76	81.2	89%@610	63μs~60s	Rolling	USB 3.0	C
iBX-UVU1G-Lite	GLUX9701BSI	1280×1024	30	1"	9.76	/	89%@610	63μs~60s	Rolling	USB 3.0	C
iBX-UVU1G-K	GLUX9701BSI	1280×1024	30	1"	9.76	81.08	89%@610	63μs~60s	Rolling	USB 3.0	C
iBX-UVU4G	GSENSE2020BSI	2048×2048	32	1.2"	6.5	81.6	93.7%@550	12μs~60s	Rolling	USB 3.0	C
iBX-UVU4G-K	GSENSE2020BSI	2048×2048	74	1.2"	6.5	65.58	95%@560	12μs~1h	Rolling	USB 3.0	C
iBX-UVU4G4	GSENSE400BSI	2048×2048	37	2.0"	11	68.3	95.3%@560	21μs~60s	Rolling	USB 3.0	M42
iBX-UVU8S	IMX487-AAMJ	2840×2840	45	2/3"	2.74	71.2	90%@550	30μs~15s	Global	USB 3.0	C
iBX-UVC4G-K	GSENSE2020BSI	2048×2048	100	1.2"	6.5	65.58	95%@560	12μs~1h	Rolling	CameraLink	C
iBX-UVTg4G4	GSENSE400BSI	2048×2048	37	2.0"	11	85.1	95.3%@560	21μs~60s	Rolling	10GigE	M42
iBX-UVTg4G	GSENSE2020BSI	2048×2048	100	1.2"	6.5	81.6	93.7%@550	12μs~60s	Rolling	10GigE	M42
iBX-UVUC16GA-K	GSENSE4040	4096×4096	20	3.2"	9	82.5	74%@600	12us~1h	Rolling	USB3.0	M54
			23							CameraLink	
iBX-UVUC16GB-K	GSENSE4040BSI	4096×4096	20	3.2"	9	/	90%@550	12us~1h	Rolling	USB3.0	M54
			23							CameraLink	

Ultraviolet (UV) Lenses

- Specifically optimized for deep UV wavelengths
- Rigid mechanical structure with UV-grade stability
- Anti-reflection and anti-degradation UV coatings
- Outstanding optical consistency and precision alignment

Model	EFL(mm)	Aperture(F#)	Sensor Size	Work Distance (m)	Wavelength (nm)	Mount	Resolution
VT-LEN2520UV-MP8	25	2.0	2/3"	0.1- 5	240-1000	C-Mount	180lp/mm (8MP)
VT-LEN2528UV	25	2.8	2/3"	0.2- ∞	200-1000	C-Mount	100lp/mm (2MP)
VT-LEN2528UV-MP8	25	2.8	2/3"	/	/	C-Mount	180lp/mm (8MP)
VT-LEN3528UV-MP8	35	2.8	2/3"	/	/	C-Mount	180lp/mm (8MP)
VT-LEN5028UV-MP8	50	2.8	2/3"	/	/	C-Mount	180lp/mm (8MP)
VT-LEN5030UV	50	3.0	2/3"	0.3-∞	200-1000	C-Mount	100lp/mm (2MP)
VT-LEN7528UV-MP8	75	2.8	2/3"	/	/	C-Mount	180lp/mm (8MP)
VT-LEN7538UV	75	3.8	2/3"	0.54- ∞	200-1000	C-Mount	100lp/mm (2MP)
VLEN7838UV	78	3.8	1"	0.4- ∞	200-1000	C-Mount	-
VT-LENF7838UV	78	3.8	35mm	0.22m- ∞	190-1000	F-Mount	-
VT-LENF8528UV	85	2.8	25mm	0.4m	240-1000	F-Mount	65lp/mm
VLEN1214UV	11.5	1.4	18mm	3- ∞	240-280	M36*0.75	/
VLEN1514UV	14.8	1.4	25mm	1- ∞	254-380	M68*0.75	/
VLEN2532UV	25	3.2	18mm	0.15- ∞	240-650	C-Mount	/
VLEN3530UV	35	3.0	1.2"	0.15- ∞	240-380	C-Mount	/
VLEN5028UV	50	2.8	18mm	1- ∞	230-400	M27*0.75	/
VLEN10025UV	100	2.5	18mm	10- ∞	240-280	M38*0.5	/

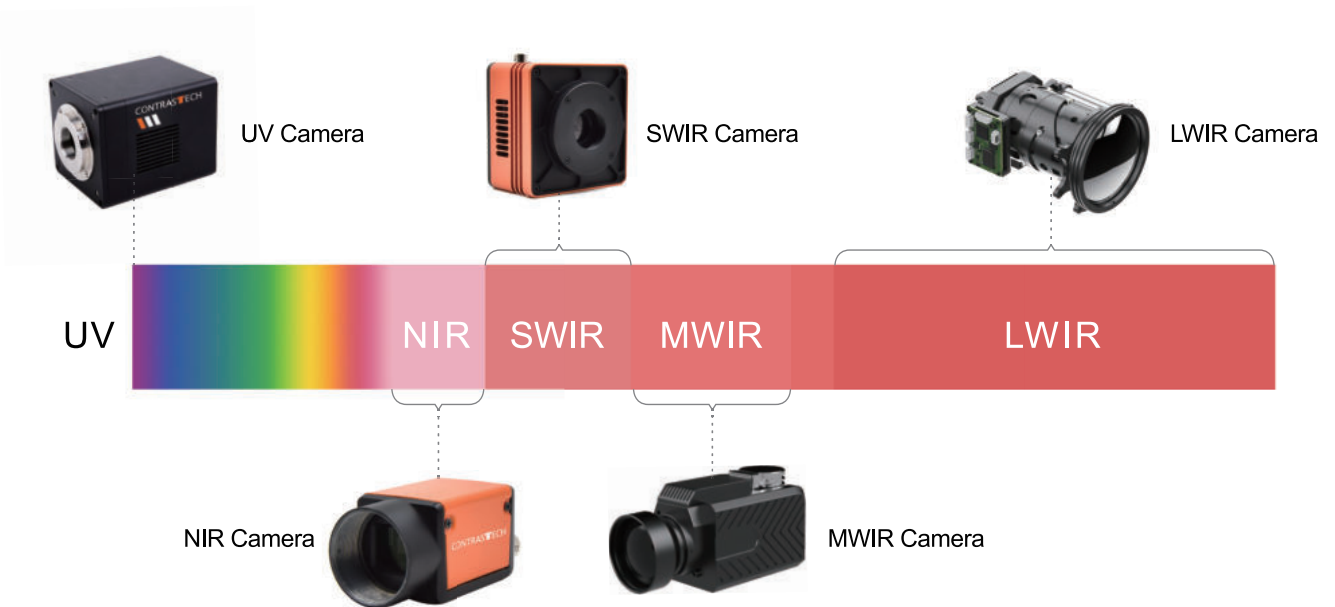
Macro High Resolution Lenses

- Suitable for UV Sensor SONY (IMX487)/Gpixel (GSENSE 2020BS1)
- Super High Resolution 8.1MP (2.74µm/Pixel)
- Maintain wide range of transmission characteristics from UV to Visible

Model	Magnification	WD	Image Circle	Wavelength
VT-UVMC-0.5X-222-H1.2	0.5x	222mm	Φ20.5mm	190-700nm
VT-UVMC-0.7X-173-H1.2	0.7x	173mm		
VT-UVMC-1.0X-136-H1.2	1.0x	136mm		
VT-UVMC-1.4X-83-H1.2	1.4x	83mm		
VT-UVMC-0.5X-65-H1.2	2.0x	65mm		
VT-UVMC-0.5X-94-H1.2	0.5x-1.0x	180-94mm		

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