





iBoost Series

SWIR Industrial Cameras



- Excellent Cost Performance Ratio
- USB3.0 / GigE / 10GigE / CameraLink Optional
- High-Performance InGaAs Detectors With 900-1700nm / 400-1800nm
- High Sensitivity, Low Noise, Wide Dynamic Range, High Image Quality
- Rich Sensor Size Options

 512, 1K and 2K
for Line-Scan

 1/4", 1/2", 1/1.8", 1/1.4, 3/4"
and 1.5 inch for Area-Scan

SWIR CAMERA

► Line Scan Camera

Model	Sensor	Resolution (H*V)	Frame Rate	Pixel Size (µm)	Spectral Range (nm)	Interface	Mount	Dimensions
iBoost30GSW05KM	InGaAs	512 x 2	29.4kHz	25	950-1700	GigE	M42	A
iBoost30CSW05KM	InGaAs	512 x 2	29.4kHz	25	950-1700	CameraLink	M42	B
iBoost15GSW1KM	InGaAs	1024 x 1	29.4kHz	12.5	900-1700	GigE	M42	A
iBoost30CSW1KM	InGaAs	1024 x 1	29.4kHz	12.5	950-1700	CameraLink	M42	B
iBoost40CSW1KM	InGaAs	1024 x 1	40kHz	12.5	950-1700	CameraLink	M42	C
iBoost40GSW2KM	InGaAs	2048 x 1	40kHz	12.5	950-1700	GigE	M42	D

► Area Scan Camera

Model	Sensor	Resolution (H*V)	Frame Rate	Sensor Size	Pixel Size (µm)	Spectral Range (nm)	Interface	Mount	Dimensions
iBoostX-400USW32M-SA/J ¹	IMX991	640 x 512	400fps	1/4"	5	400-1800	USB3.0	C	E
iBoostX-428USW32M-SJ-Lite	IMX991	640 x 512	428.1fps	1/4"	5	400-1700	USB3.0	C	F
iBoostX-724USW33M-HP	InGaAs	640 x 512	724fps	3/4"	15	900-1700	USB3.0	C	G
iBoostX-125GSW33M-HP	InGaAs	640 x 512	125fps	3/4"	15	900-1700	GigE	C	G
iBoostX-257GSW32M-SA/J ¹	IMX991	640 x 512	257.8fps	1/4"	5	400-1800	GigE	C	E
iBoost260GSW30M	InGaAs	640 x 512	258.8fps	1/4"	5	400-1700	GigE	C	M
iBoostX-360GSW33M-HP	InGaAs	640 x 512	360fps	3/4"	15	900-1700	GigE	C	G
iBoostX-367GSW33M-HP	InGaAs	640 x 512	360fps	3/4"	15	900-1700	GigE	C	G
iBoostX-724TGSW33M-HP	InGaAs	640 x 512	724fps	3/4"	15	900-1700	10GigE	C	G
iBoostX-400CSW32M-SA	IMX991	640 x 512	400fps	1/4"	5	400-1700	CameraLink	C	K
iBoostX-533CSW33M-CM/HP ¹	InGaAs	640 x 512	533fps	3/4"	15	900-1700	CameraLink	C	G
iBoostX-726CSW33M-CM/HP ¹	InGaAs	640 x 512	726fps	3/4"	15	900-1700	CameraLink	C	G
iBoostX-1000CSW33M-CM/HP ¹	InGaAs	640 x 512	1000fps	3/4"	15	900-1700	CameraLink	C	I
iBoost134USWC130M	InGaAs	1280 x 1024	134fps	1/2"	5	400-1800	USB3.0	C	H
iBoostX-200USW130M-SA/J ¹	IMX990	1280 x 1024	200fps	1/2"	5	400-1800	USB3.0	C	E
iBoostX-200USW130M-HP-M42	InGaAs	1280 x 1024	200fps	1.5"	15	900-1700	USB3.0	M42	I
iBoostX-223USW130M-SJ-Lite	IMX990	1280 x 1024	223fps	1/2"	5	400-1700	USB3.0	C	F
iBoost89GSW130M	InGaAs	1280 x 1024	89fps	1/2"	5	400-1700	GigE	C	M
iDatum90GSWC130M	IMX990	1280 x 1024	91fps	1/2"	5	400-1700	GigE	C	J
iBoostX-90GSW130M-SA/J ¹	IMX990	1280 x 1024	90fps	1/2"	5	400-1800	GigE	C	E
iBoostX-200TGSW130M-HP-M42	InGaAs	1280 x 1024	200fps	1.5"	15	900-1700	10GigE	M42	I
iBoost134CSWC130M	InGaAs	1280 x 1024	134fps	1/2"	5	400-1700	CameraLink	C	L
iBoostX-200CSW130M-SA	IMX990	1280 x 1024	200fps	1/2"	5	400-1700	CameraLink	C	K
iBoostX-200CSW130M-CM/HP-M42 ¹	InGaAs	1280 x 1024	200fps	1.5"	15	900-1700	CameraLink	M42	I
iBoostX-93USW300M-SA/J ¹	IMX993	2048 x 1536	93fps	1/1.8"	3.45	400-1700	USB3.0	C	E
iBoostX-93USW300M-SJ-Lite	IMX993	2048 x 1536	93fps	1/1.8"	3.45	400-1700	USB3.0	C	F
iBoostX-150CSW300M-SA	IMX993	2048 x 1536	150fps	1/1.8"	3.45	400-1700	GigE	C	E
iBoostX-220TGSW300M-SA	IMX993	2048 x 1536	220fps	1/1.8"	3.45	400-1700	10GigE	C	E
iBoostX-71USW500M-SJ-Lite	IMX992	2560 x 2048	61.9fps	1/1.4"	3.45	400-1700	USB3.0	C	F
iBoostX-71USW500M-SA/J ¹	IMX992	2592 x 2056	61.9fps	1/1.4"	3.45	400-1800	USB3.0	C	E
iBoostX-22GSW500M-SA/J ¹	IMX992	2592 x 2056	22fps	1/1.4"	3.45	400-1800	GigE	C	E
iBoostX-165TGSW500M-SA	IMX992	2560 x 2048	165fps	1/1.4"	3.45	400-1700	10GigE	C	E
iBoostX-100CSW500M-SA	IMX992	2560 x 2048	100fps	1/1.4"	3.45	400-1700	CameraLink	C	K

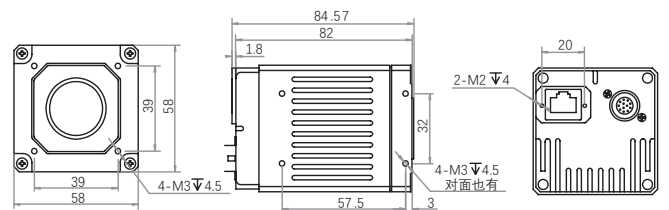
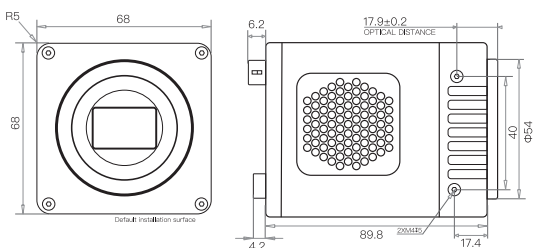
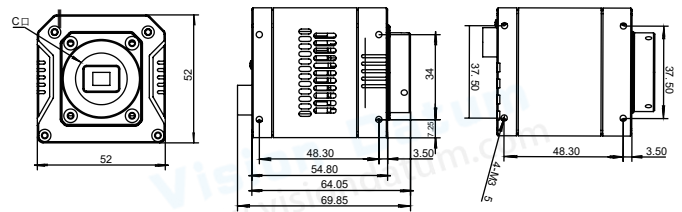
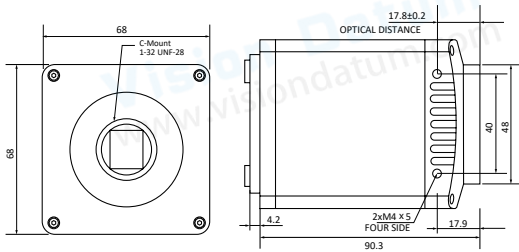
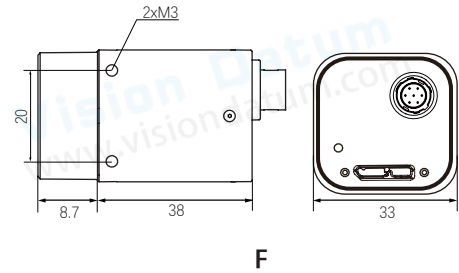
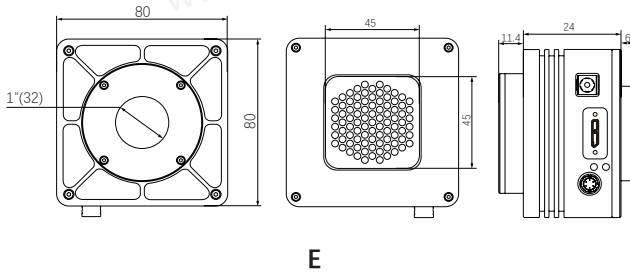
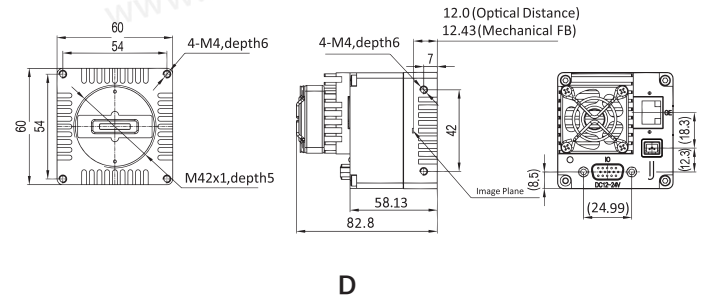
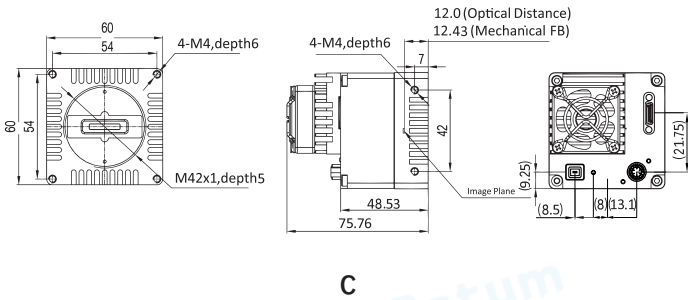
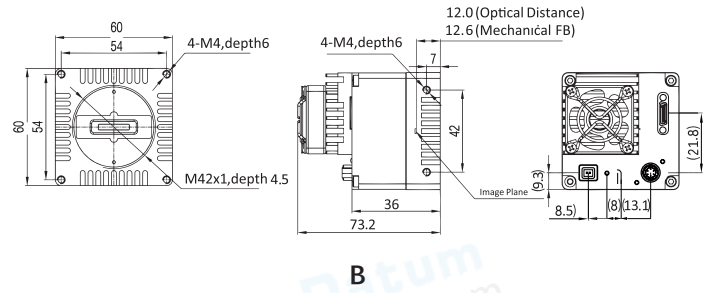
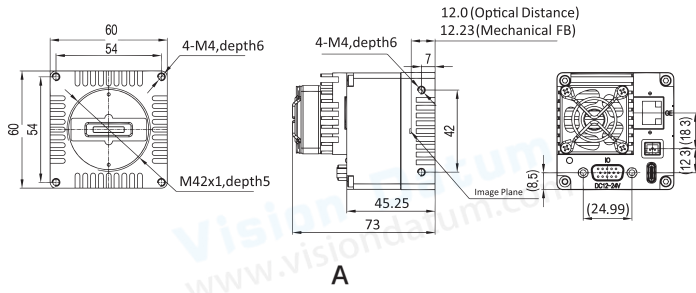
Note 1: Different sensor level options.

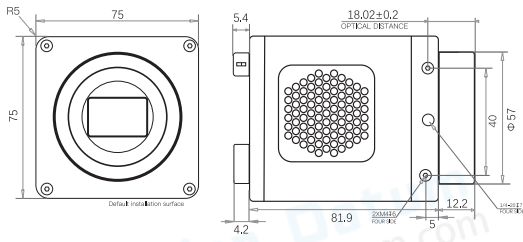
Short-Wave Infrared (SWIR) Lenses

- Specifically designed for short wave spectrum
- High strength fixed structure
- High penetration anti-stripping coating
- Excellent consistency

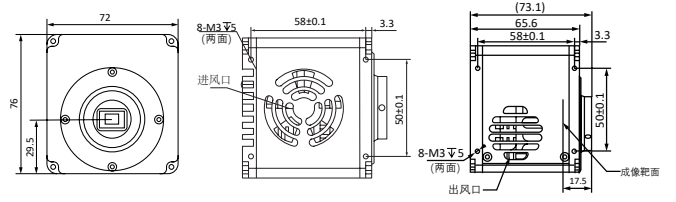
Model	Focal Length (mm)	Aperture	Sensor Size	Wavelength (nm)	Field of View (D*H*V)	M.O.D. (m)	Mount
VLEN2-0618SW-H1	6	F1.8	1"	900-1700	105° /93.6° /77°	0.1	C
VLEN2-0814SW-H1	8	F1.4	1"	900-1700	90.7° /78.4° /62.6°	0.1	C
VLEN2-1216SW-H1	12	F1.6	1"	900-1700	70° /57° /44°	0.5	C
VLEN2-1614SW-H1	16	F1.4	1"	900-1700	53.6°	0.3	C
VLEN2-2514SW-H1	25	F1.4	1"	900-1700	30°	0.3	C
VLEN2-3514SW-H1	35	F1.4	1"	900-1700	26.2°	0.3	C
VLEN2-5014SW-H1	50	F1.4	1"	900-1700	18.4°	0.5	C
VLEN2-3520SW-H1.1	35	F2	1.1"	400-1200	28°	0.15	C
VLEN2-5020SW-H1.1	50	F2	1.1"	400-1200	20.4°	0.25	C
VLEN2-2519SW-H3	25	F1.9	28 mm	900-1700	58°	0.2	M42
VLEN2-4016SW-H3	40	F1.6	28 mm	900-1700	37°	0.25	M42
VLEN2-5014SW-H3	50	F1.4	28 mm	900-1700	30° /24° /18°	0.43	M42
VT-LEM2518SWIR-H1	25	F1.8	1"	900-1700	35.49° /28.5° /21.74°	0.3	C
VT-LEM7525SWIR-H1	75	F2.5	1"	900-1700	9.08° /7.26° /5.45°	0.265-0.48	C
VT-LEM20040SWIR-H1	200	F4-22	1"	900-1700	4.57°x3.66°x2.75°	10	C
VT-LEM30040SWIR-H1	300	F4-22	1"	400-1700	3.06°x2.44°x1.83°	10	C
VT-LEM40056SWIR-H1	400	F5.6	1"	900-1700	2.29°x1.83°x1.37°	20	C
VT-LEM3514SWIR-H2	35	F1.4	4/3"	900-1700	31.2°/25.4°/18.7°	0.3	M42
VT-LEM10021SWIR-H2	100	F2.1	25.6 mm	800-1700	14.33°/11.52°/8.72°	0.4	M42/C/F
VT-LEM1616022SWIR-H1	16 - 160	F2.2-Close	1"	900-1700	4.6 X 3.4°. at 160mm	1.1	C
VT-LEM2036060SWIR	20 - 360	F6-10	12.3 mm	400-1700	1.1X 0.84°. at 360mm	15	C
VT-LEM2050036SWIR	20- 500	F3.6-Close	1/1.8"	900-1700	0.84 X 0.63°. at 500mm	4	C
VT-LEM2075036SWIR	20- 750	F3.6-Close	1/1.8"	900-1700	0.6 X 0.4°. at 750mm	4	C
VT-LEM25120048SWIR	25 - 1200	F4.8 - 10	12.3 mm	400-1700	0.34 X 0.2°. at 1200mm	15	C
VT-LEN2509SWIR-S12	25	F0.9-16	12.6 mm	900-1700	/	0.2	C
VT-LEN3514SWIR-S23	35	F1.4-16	2/3"	900-1700	17.3°x13.9°x10.4°	0.15	C
VT-LEN5014SWIR-S23	50	F1.4-Close	2/3"	900-1700	13.04°x10.46°x7.86°	0.3	C
VT-LEN1214SWIR-H1.1	12.3	F1.4-16	1.1"	900-1700	71.2°x59.7°x46.6°	0.4	C
VT-LEN2528SWIR-H1.1	25	F2.8-22	1.1"	900-1700	37.6°x30.4°x23°	0.1	C
VT-LEN1218VSW-S12	12	F1.8-16	1/2"	400-1700	36.44°x29.02°x23.32°	0.1	C
VT-LEN1618VSW-S12	16	F1.8-16	1/2"	400-1700	28.14°x22.44°x17.98°	0.1	C
VT-LEN2518VSW-S12	25	F1.8-16	1/2"	400-1700	16.84°x13.44°x10.77°	0.1	C
VT-LEN3518VSW-S12	35	F1.8-16	1/2"	400-1700	9.71°x7.51°x5.94°	0.1	C

► Dimensions

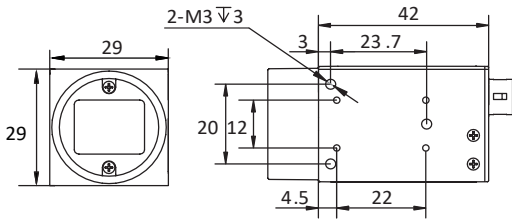




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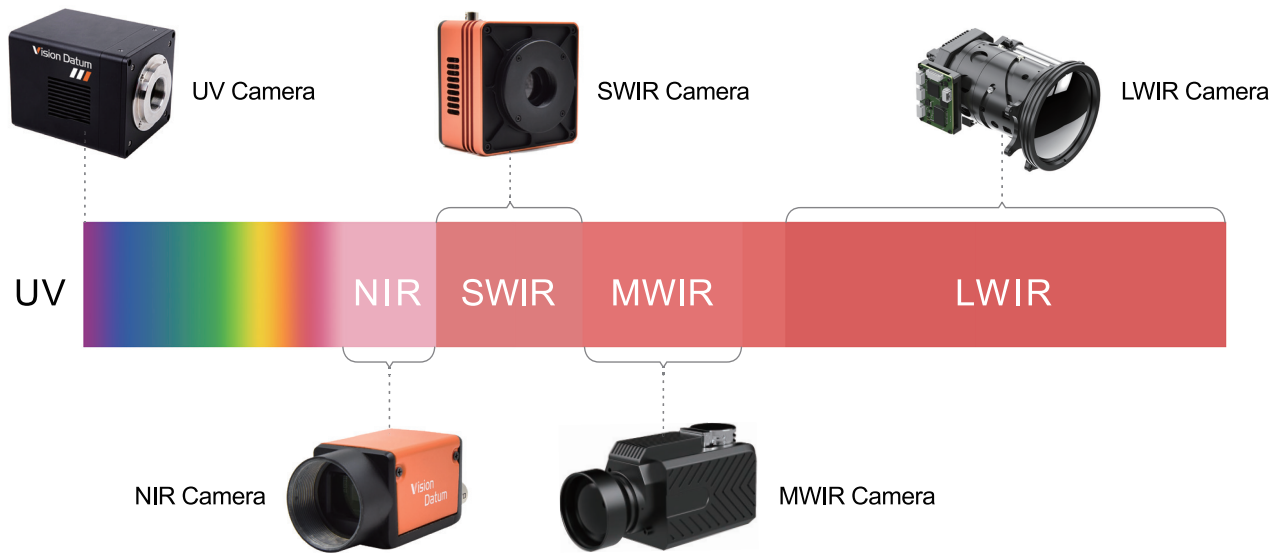
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