

NIR/SWIR CAMERAS

InGaAs CAMERA										
Wavelength(nm)	Model Name	Pixels	Sensor Manufacturer	Optical Format	Active Pixels	Pixel Size(μm)	Frame Rate	Exposure Time(Sec)	Shutter Type	Interface
400 ~ 1700	ARTCAM-990SWIR-TEC	1.3M	SONY 	6.4×5.12mm	1280×1024	5(H)×5(V)	72fps (12bit)	1/4926.10837 ~ 2	Global	USB3.0 Camera Link
	ARTCAM-990SWIR			12.8×10.24mm		10(H)×10(V)	30fps	1/25706 ~ 1.27		
	ARTCAM-130SWIR			3.2×2.56mm		5(H)×5(V)	137fps (12bit)	1/4926.10837 ~ 2		
	ARTCAM-991SWIR-TEC					15(H)×15(V)	263fps	1/10000 ~ 123		
900 ~ 1700	ARTCAM-131TNIR-TEC	0.32M		9.68×7.68mm	640×512	20(H)×20(V)	62fps	1/136 ~ 0.48		USB3.0 Camera Link
950 ~ 1700	ARTCAM-131TNIR			12.8×10.24mm		25(H)×25(V)	27fps	1/185185.185 ~ 4.408		
900 ~ 1700	ARTCAM-032TNIR	0.08M	HAMAMATSU 	16.0×12.8mm	320×256	20(H)×20(V)	5/10000~1/1000	5/1000000 ~ 0.013		
1700 ~ 2550nm	ARTCAM-H2550SWIR-TEC			6.4×5.12mm			507fps			5/10000~1/1000
1300 ~ 2150nm	ARTCAM-H2150SWIR-TEC									
1120 ~ 1850nm	ARTCAM-H1850SWIR-TEC									
950 ~ 1700nm	ARTCAM-109SWIR-TEC									
950 ~ 1700	ARTCAM-009TNIR	0.016M		9.6×7.68mm	128×128	30(H)×30(V)	485fps	1/1000000 ~ 1	USB3.0 Camera Link	
900 ~ 1700	ARTCAM-008TNIR						228fps			1/25706 ~ 1.27
950 ~ 1700	ARTCAM-0016TNIR-TEC						90fps			1/1000000 ~ 0.013
	ARTCAM-0016TNIR						258fps			

SWIR LENS											
Manufacturer Name	Focal Length	Image Format	Model Name	F No.	Mount	Manufacturer Name	Focal Length	Image Format	Model Name	F No.	Mount
	SWIR Transmission from 400 ~ 1700nm						SWIR Transmission from 700 ~ 2000nm				
	8mm	2/3"	M0818-APVSW	F1.8	C		6mm	1"	VS-0618H1-SWIR	F1.8	C
	12mm	2/3"	M1218-APVSW	F1.8	C		8mm	1"	VS-0814H1-SWIR	F1.4	C
	16mm	2/3"	M1618-APVSW	F1.8	C		12mm	1"	VS-1214H1-SWIR	F1.4	C
	25mm	2/3"	M2518-APVSW	F1.8	C		16mm	1"	VS-1614H1-SWIR	F1.4	C
	SWIR Transmission from 400 ~ 1700nm						25mm	1"	VS-2514H1-SWIR	F1.4	C
	5mm	1/2"	H0514-VSW	F1.4	C		35mm	1"	VS-3514H1-SWIR	F1.4	C
	8mm	2/3"	M0814-VSW	F1.4	C		50mm	1"	VS-5018H1-SWIR	F1.8	C
	12mm	2/3"	M1214-VSW	F1.4	C		SWIR Transmission from 800 ~ 1900nm				
	16mm	2/3"	M1614-VSW	F1.4	C		8mm	1"	LM8HC-SW	F1.4	C
	25mm	2/3"	M2514-VSW	F1.4	C		12.5mm	1"	LM12HC-SW	F1.4	C
	35mm	2/3"	M3514-VSW	F1.4	C		16mm	1"	LM16HC-SW	F1.4	C
	50mm	2/3"	M5018-VSW	F1.4	C		25mm	1"	LM25HC-SW	F1.4	C
	SWIR Transmission from 800 ~ 1700nm						35mm	1"	LM35HC-SW	F1.4	C
	16mm	2/3"	M1614-SW	F1.4	C		50mm	1"	LM50HC-SW	F1.4	C
	25mm	2/3"	M2514-SW	F1.4	C		SWIR Transmission from 700 ~ 2500nm				
	35mm	2/3"	M3514-SW	F1.4	C		25mm	3/4"	SR2534-A01	F1.3	C
	50mm	2/3"	M5018-SW	F1.8	C		50mm	4/3"	SR2594-A01	F1.3	C
	SWIR Transmission from 900 ~ 1700nm						200mm	4/3"	SR0577-A01	F1.6	M42x1mm
	SWIR Transmission from 700 ~ 1700nm						SWIR Transmission from 700 ~ 1700nm				
	6mm	1"	VHF6M-MP SWIR	F1.8	C		50mm	1/2"	SR4415-A01	F1.7	C
	8mm	1"	VHF8M-MP SWIR	F1.4	C						

ARTRAY CO., LTD.
ARTRAY

1-17-5 Koenjikita, Sugunami-ku, Tokyo 166-0002, Japan
TEL : +81-3-3389-5488 FAX : +81-3-3389-5486
E-mail : sales@artray.us URL : www.artray.us

ARTRAY

PRODUCTS INFORMATION

ENGLISH VERSION



USB3.0 Camera
USB2.0 Camera
Board Camera
Digital video output Camera
NIR Camera
InGaAs Camera
InGaAs/GaAsSb Camera
UV Camera

We provide high quality imaging applications to the information society with our excellent ideas and advanced technology.

Information

Artray was founded in 1989.

Since its establishment, Artray has been specializing in manufacturing image processing devices on different interfaces. We provide a variety of products including USB2.0 cameras, USB3.0 cameras, SerialATA cameras, LVDS-USB converters, LVDS-SerialATA converters, Device drivers and customized hardware/software applications.

Our Business



- Imaging device production & development
- Image processing software
- Windows applications
- Serial interface Development
- Device driver
- FPGA logic development
- OEM/ODM/EMS service

Corporate Philosophy

"Provide original/unique imaging devices"

"Always listen to the customers and create a win-win relationship"

"Build a enjoyable working environment"

We aim to provide the best quality products with a high level of creativity and technology in today's diverse and rapidly changing environment. Your complete satisfaction is our mission !

Company Profile

Company Name: ARTRAY CO., LTD.

Established: November, 1989

Capital: ¥55,000,000

CEO: Katsumi Komori

ARTRAY CO., LTD. Tokyo Head Office

1-17-5 Kouenji-kita, Suginami-ku, Tokyo, 166-0002, Japan

Tel: +81-3-3389-5488 / Fax: +81-3-3389-5486

URL: www.artray.us / E-mail: sales@artray.us

Worldwide Business

We have been distributing internationally for years.

The market share of our industrial camera has been growing consistently and this has been a result of the successful partnerships with our international distributors.

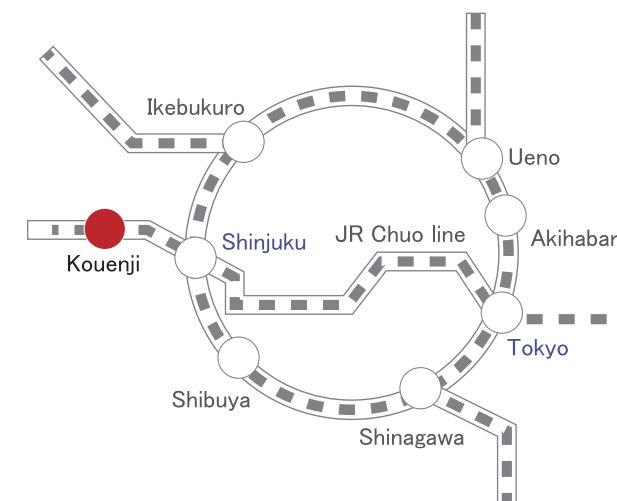
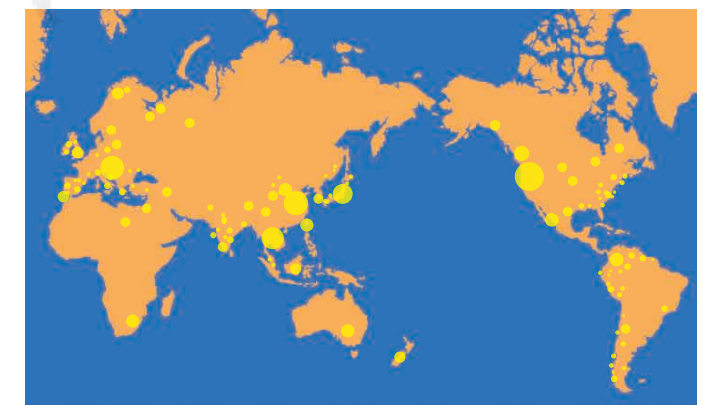
Our products take part in many exhibitions around the world and receive excellent feedbacks for their originality and handy applications.

Customers

Over 1,500 worldwide customers

Head Office Location

20 minutes from Tokyo station to Kouenji station by JR Chuo Line, take North Exit, and then 7 minutes walk from Kouenji station to the office.



Contact Us in



Japanese



Taiwanese



English



German



Chinese



Spanish



French

ARTRAY



Quality Control Management of ARTRAY

In order to improve our product quality and secure stable supply, we obtained ISO9001 for all development fields, sales and product management.

USB 2.0 Camera

CMOS



1400MI-WOM, 1000MI-WOM
Dimensions(mm): 50(W)×47(H)×49.7(D)
Weight(g): 120

Other Models
Dimensions(mm): 50(W)×47(H)×41.7(D)
Weight(g): 110

USB2.0

Free SDK
(Software Development Kit)

Optional Items
*2 Dimension measurement software

Model Name	Pixels	Type Color Mono NIR	Sensor Manufacturer	Shutter Type	Optical Format	Active Pixels	Active Image Size(mm)	Pixel Size(μm)	Color Filter Array	Sensitivity	Lens Mount	Frame Rate	Exposure Time(Sec)	Power Supply
ARTCAM-1400MI-WOM	14M		ON Semiconductor	Rolling	1/2.3"	4608(H)×3288(V)	6.14(H)×4.60(V)	1.4(H)×1.4(V)	RGB	0.724V/Lux-sec(550nm)	C-Mount	3fps	1/9756~1.68	Supplied from USB Port
ARTCAM-1000MI-WOM	10M	  				3856(H)×2764(V)	6.41(H)×4.59(V)	1.67(H)×1.67(V)		0.31V/Lux-sec(550nm)		4.4fps	1/11678~1.4	
ARTCAM-500MI-WOM	5M	  				2592(H)×1944(V)	5.70(H)×4.28(V)	2.2(H)×2.2(V)		1.4V/Lux-sec(550nm)		7.5fps	1/53452~1.196	
ARTCAM-264IMX-WOM		Sony 	Global	2/3"	2464(H)×2056(V)	8.50(H)×7.09(V)	3.45(H)×3.45(V)			1.14V(Sony Standard)		8fps	72.56μ~1.93	
ARTCAM-265IMX-WOM	3M			  	1/1.8"	2048(H)×1536(V)				7.12(H)×5.32(V)		Mono : 1146mV @1/30sec Color : 915mV @1/30sec	12fps	
ARTCAM-300MI-WOM			ON Semiconductor	Rolling	1/2"		6.55(H)×4.92(V)	3.2(H)×3.2(V)		1.0V/Lux-sec(550nm)			1/19688~0.832	
ARTCAM-130MI-BW-WOM	1.3M	 	SiOnyx		1"	1280(H)×1024(V)	6.66(H)×5.32(V)	5.2(H)×5.2(V)	-	1.8V/Lux-sec(550nm)		30fps	1/35928~0.52	
ARTCAM-130XQE-WOM		  					12.8(H)×10.2(V)	10(H)×10(V)	RGB	40V/Lux-sec		28.5fps	1/31847~1.029	
ARTCAM-130HP-WOM	1.3M	 	HAMAMATSU Photonics	Global	2/3"	1280(H)×1024(V)	9.427(H)×7.578(V)	7.4(H)×7.4(V)	-	13V/lx·s(2856k)		8fps	1/8651~1.06	
ARTCAM-0134AR-WOM	1.2M	  	ON Semiconductor		1/3"	1280(H)×960(V)	4.80(H)×3.60(V)	3.75(H)×3.75(V)	RGB	6.1V/Lux-sec(550nm)		27fps	1/27027~0.612	
ARTCAM-036MI2-WOM	0.36M	  				752(H)×480(V)	4.51(H)×2.88(V)	6.0(H)×6.0(V)		4.8V/Lux-sec(550nm)		60fps	1/33149~0.988	



Industrial USB hub

Strong case type and built-in board type
You can choose from two types.

【Specifications】

USB port: USB 3.0 - A female x 4

Power supply: 5 V (power adapter included)



ART-USB3HUB4(Case Type)

ART-USB3HUB4-OP(Board Type)

Made in JAPAN



Board Type



C-Mount Type
Board Camera
(Lens is not included)
※Available for all USB2.0 series



Board Camera
(M12 f=8mm Lens included)
※Available for all USB2.0 series

UVC Type



ARTCAM-800SN-OP
ARTCAM-0134ARSS-UVC-OP



※Please contact us for case type.

UVC

Optional Items
*2 Dimension measurement software

Model Name	Pixels	Type Color Mono NIR	Sensor Manufacturer	Shutter Type	Optical Format	Active Pixels	Active Image Size(mm)	Pixel Size(μm)	Color Filter Array	Sensitivity	Lens Mount	Frame Rate	Exposure Time(Sec)	Power Supply
ARTCAM-800SN-OP	8M		Sony	Rolling	1/3.2"	3264(H)×2448(V)	4.5(H)×3.4(V)	1.4(H)×1.4(V)	RGB	0.65V(Sony Standard)	M12 Mount	19fps	Automatic	Supplied from USB Port
ARTCAM-0134ARSS-UVC-OP	1.2M	  	ON Semiconductor	Global	1/3"	1280(H)×960(V)	4.80(H)×3.60(V)	3.75(H)×3.75(V)		5.3V/Lux-sec		30fps	1/8192~1/2	
ARTCAM-0134ARMINI-UVC-OP		  												

Sensor cover glass can be removed, replaced, or tilted. Please contact us for more information.

※ARTCAM-1000MI-WOM black-and-white model and NIR model are made to order.

※For UVC compatible cameras, the board type is standard.

A type with a case is also available, so please consult us.



Color Sensor with IR Cut Filter



Monochrome Sensor without Filter



Monochrome Sensor with Visible Cut Filter

USB 3.0 Camera

CMOS



1400MI-USB3-T2, 1000MI-USB3-T2, 500MI-USB3-T2
Dimensions(mm): 50(W)×47(H)×42.7(D)
Weight(g): 150

178IMX-USB3-T2
Dimensions(mm): 71.6(W)×61.5(H)×43(D)
Weight(g): 200

226IMX-USB3-T2, 250IMX-USB3-T2, 264IMX-USB3-T2
252IMX-USB3-T2, 265IMX-USB3-T2, 174IMX-USB3-T2
Dimensions(mm): 50(W)×47(H)×42.7(D)
Weight(g): 130

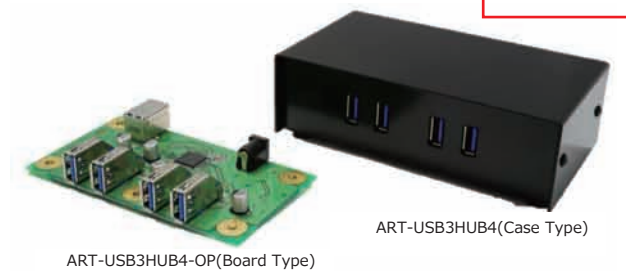


Industrial USB hub

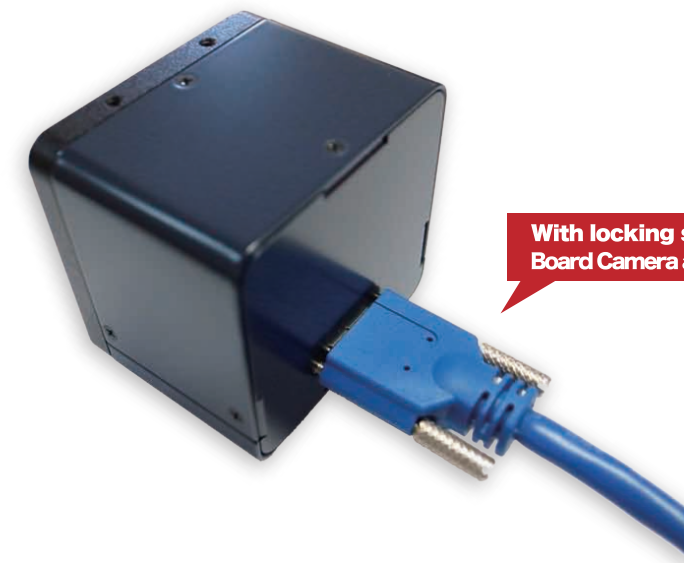
Strong case type and built-in board type
You can choose from two types.

【Specifications】

USB port: USB 3.0 - A female x 4
Power supply: 5 V (power adapter included)



Made in JAPAN



With locking screws!
Board Camera available

USB3.0

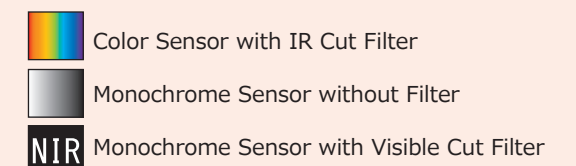
Free SDK
(Software development Kit)

Optional Items
*2 Dimension measurement software

Model Name	Pixels	Type Color Mono NIR	Sensor Manufacturer	Shutter Type	Optical Format	Active Pixels	Active Image Size(mm)	Pixel Size(μm)	Color Filter Array	Sensitivity	Lens Mount	Frame Rate	Exposure Time(Sec)	Power Supply
ARTCAM-1400MI-USB3-T2	14M		ON Semiconductor	Rolling	1/2.3"	4608(H)×3288(V)	6.14(H)×4.60(V)	1.4(H)×1.4(V)	RGB	0.724V/Lux-sec(550nm)	C-Mount	6fps	1/10000~2.0	Supplied from USB Port
ARTCAM-226IMX-USB3-T2	12M	  	SONY 		1/1.7"	4072(H)×3046(V)	7.53(H)×5.63(V)	1.85(H)×1.85(V)		Mono : 250mV(TBD) @1/30sec Color : 280mV @1/30sec		27.9fps	1/10000~0.0352	
ARTCAM-1000MI-USB3-T2	10M	  	ON Semiconductor		1/2.3"	3856(H)×2764(V)	6.41(H)×4.59(V)	1.67(H)×1.67(V)		0.31V/Lux-sec(550nm)		6fps	1/10000~2.0	
ARTCAM-178IMX-USB3-T2	6M		SONY 		1/1.8"	3072(H)×2048(V)	7.43(H)×4.99(V)	2.4(H)×2.4(V)		0.425V(Sony Standard)		50fps	1/10000~3.0	
ARTCAM-250IMX-USB3-T2	5M	  	SONY 	Global	2/3"	2464(H)×2056(V)	8.50(H)×7.09(V)	3.45(H)×3.45(V)		Mono : 915mV @1/30sec Color : 1140mV @1/30sec		59fps	1/1000~3.276	
ARTCAM-264IMX-USB3-T2		  	ON Semiconductor	Rolling	1/2.5"	2592(H)×1944(V)	5.70(H)×4.28(V)	2.2(H)×2.2(V)		1.4V/Lux-sec(550nm)		36fps	1/10000~0.7	
ARTCAM-500MI-USB3-T2	3M	  	SONY 	Global	1/1.8"	2064(H)×1554(V)	7.12(H)×5.32(V)	3.45(H)×3.45(V)		Mono : 915mV @1/30sec Color : 1146mV @1/30sec		13.9fps	1/10000~2.0	
ARTCAM-252IMX-USB3-T2		  								Mono : 915mV @1/30sec Color : 1146mV @1/30sec		75fps	1/118650~3	
ARTCAM-265IMX-USB3-T2		  								0.825V(Sony Standard)		55.6fps	1/10000~3	
ARTCAM-174IMX-USB3-T2		2.3M								  		0.825V(Sony Standard)	86fps	

Sensor cover glass can be removed, replaced, or tilted. Please contact us for more information.

※STARVIS and **STARVIS**, Pregius and **Pregius** are trademarks of Sony Corporation.



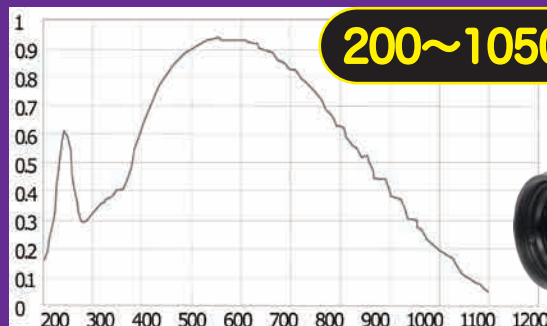
UV Camera

4MP ARTCAM-2020UV


USB3.0

 Free SDK
(Software Development Kit)

Sensor Type : CMOS
 Shutter Type : Rolling Shutter(Global reset)
 Resolution : 2048(H)×2048(V)
 Image Size(mm) : 13.3(H)×13.3(V)
 Interface : Camera Link · USB3.0
 Pixel Size(μm) : 6.5(H)×6.5(V)
 Frame Rate : 30fps
 Optical Format : 1inch
 A/D Converter : 12bit
 Exposure Time(Sec) : 56μ ~ 1
 Dimensions(mm) : 71.6(W)×61.5(H)×51.5(D)
 Weight(g) : 240

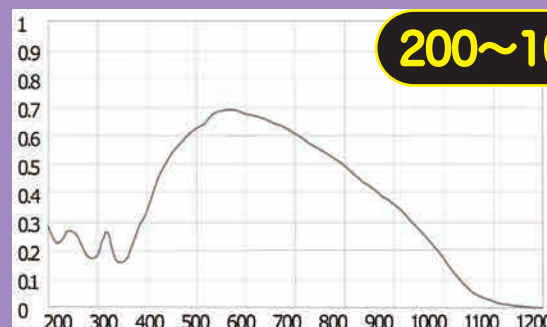

200~1050nm


1.3MP ARTCAM-130UV-WOM

USB2.0

 Free SDK
(Software Development Kit)

Sensor Type : CMOS
 Shutter Type : Rolling Shutter
 Resolution : 1280(H)×1024(V)
 Image Size(mm) : 12.8(H)×10.2(V)
 Interface : USB2.0
 Pixel Size(μm) : 10(H)×10(V)
 Frame Rate : 27.7fps
 Optical Format : 1inch
 A/D Converter : 12bit
 Exposure Time(Sec) : 1/31847 ~ 1.029
 Dimensions(mm) : 50(W)×47(H)×41.7(D)
 Weight(g) : 110

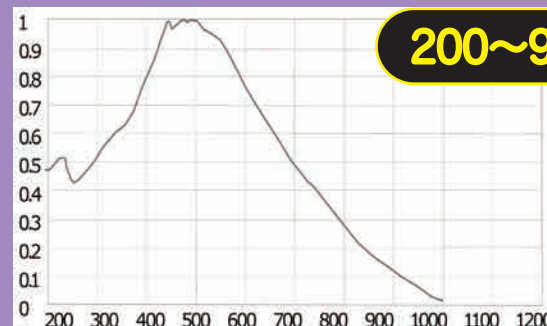

200~1000nm


1.5MP ARTCAM-407UV-WOM

USB2.0

 Free SDK
(Software Development Kit)

Sensor Type : CCD
 Shutter Type : Global Shutter
 Resolution : 1360(H)×1024(V)
 Image Size(mm) : 6.47(H)×4.83(V)
 Interface : USB2.0
 Pixel Size(μm) : 4.65(H)×4.65(V)
 Frame Rate : 12fps
 Optical Format : 1/2inch
 A/D Converter : 10bit
 Exposure Time(Sec) : 1/58824 ~ 1/12.5
 Dimensions(mm) : 50(W)×47(H)×49.7(D)
 Weight(g) : 120


200~900nm


Sensor cover glass can be removed, replaced, or tilted. Please contact us for more information.

UV LENS

Please use lens ideally applicable to UV areas.
Depending on lens you use, our product might not reach the best condition.

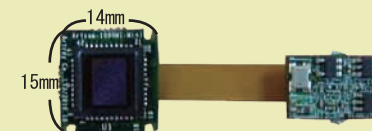
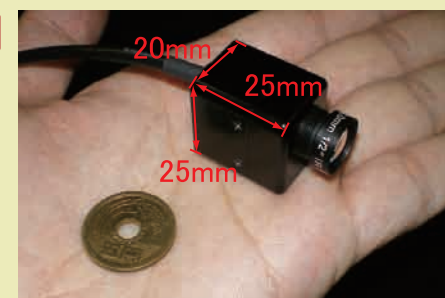
UV Transmission from 230nm ~ Visible light				
Focal Length	Image Format	Model Name	F No.	Mount
6mm	1/2"	UV0635BCM	F3.5-16	C
9mm	1/2"	UV0928CM2	F2.8-16	C
12mm	2/3"	UV1228CM	F2.8-16	C
25mm	1"	UV2528B	F2.8-16	C
50mm	φ18mm	UV5035BK	F3.5-16	C
78mm	φ18mm	UV8040BK2	F3.8-16	C
105mm	φ18mm	UV1054B	F4.0-22	C

Mini Camera

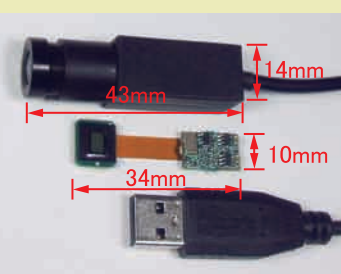
10.0M ARTCAM-1000MINI

 Free SDK
(Software Development Kit)

Sensor Type : CMOS(Color)
 Interface : USB2.0
 Sensor Manufacturer : ON Semiconductor
 Shutter Type : Rolling Shutter
 Optical Format : 1/2.3inch
 Active Pixels : 3856(H)×2764(V)
 Active Image Size(mm) : 6.41(H)×4.59(V)
 Pixel Size(μm) : 1.67(H)×1.67(V)
 Sensitivity : 0.31V/Lux-sec(550nm)
 Dimensions(mm) : 20(W)×25(H)×25(D) (Case type)
 Color Filter Array : RGB Bayer Pattern
 Lens Mount : M12×P0.5
 Frame Rate : 2.2fps
 Power Supply : Supplied from USB Port
 ※Monochrome type is also available depend on the quantity.



※Board camera type is available


GLOBAL SHUTTER TYPE

0.36M ARTCAM-022MINI

 Free SDK
(Software Development Kit)

Sensor Type : CMOS(Color/Monochrome)
 Interface : USB2.0
 Sensor Manufacturer : ON Semiconductor
 Shutter Type : Global Shutter
 Optical Format : 1/3inch
 Active Pixels : 640(H)×480(V)
 Active Image Size(mm) : 4.51(H)×2.88(V)
 Pixel Size(μm) : 6.0(H)×6.0(V)
 Sensitivity : 4.8V/Lux-sec(550nm)
 Dimensions(mm) : 14(W)×14(H)×43(D) (Enclosed type)
 Color Filter Array : RGB Bayer Pattern
 Lens Mount : M12 f=8mm Board Lens
 Frame Rate : 60fps
 Power Supply : Supplied from USB Port
 Shutter Speed : 1/32967-1s
 Options : 2 D measurement software Recording software

Digital Video Output Camera

No PC needed !
Display on monitors/TVs via LCD or Digital video output interface.

Digital Video Output HD-SDI ANALOG NTSC/PAL

2.1M

ARTCAM-185IMX-HD3

Lens Mount : C-Mount
 Output : Digital Video Output / HD-SDI / ANALOG NTSC/PAL
 Accessories : Remote controller
 Dimensions(mm) : 50(W)×47(H)×85.9(D)
 Power Supply : DC5V(AC adapter)
 Sensor Type : 2.1M Pixels CMOS (Color)
 Shutter Type : Rolling Shutter
 Optical Format : 1/1.9inch
 Active Pixels : 1945(H)×1225(V)
 Digital Video Output : 1080P
 Pixel Size(μm) : 3.75(H)×3.75(V)

1.3M

ARTCAM-130XQE-HD3

Lens Mount : C-Mount
 Output : Digital Video Output / HD-SDI / ANALOG NTSC/PAL
 Accessories : Remote controller
 Dimensions(mm) : 50(W)×47(H)×85.9(D)
 Power Supply : DC5V(AC adapter)
 Sensor Type : 1.3M Pixels CMOS(Color/NIR/Monochrome)
 Shutter Type : Rolling Shutter
 Optical Format : 1inch
 Active Pixels : 1280(H)×1024(V)
 Digital Video Output : 720P
 Pixel Size(μm) : 10(H)×10(V)



InGaAs Camera

USB3.0

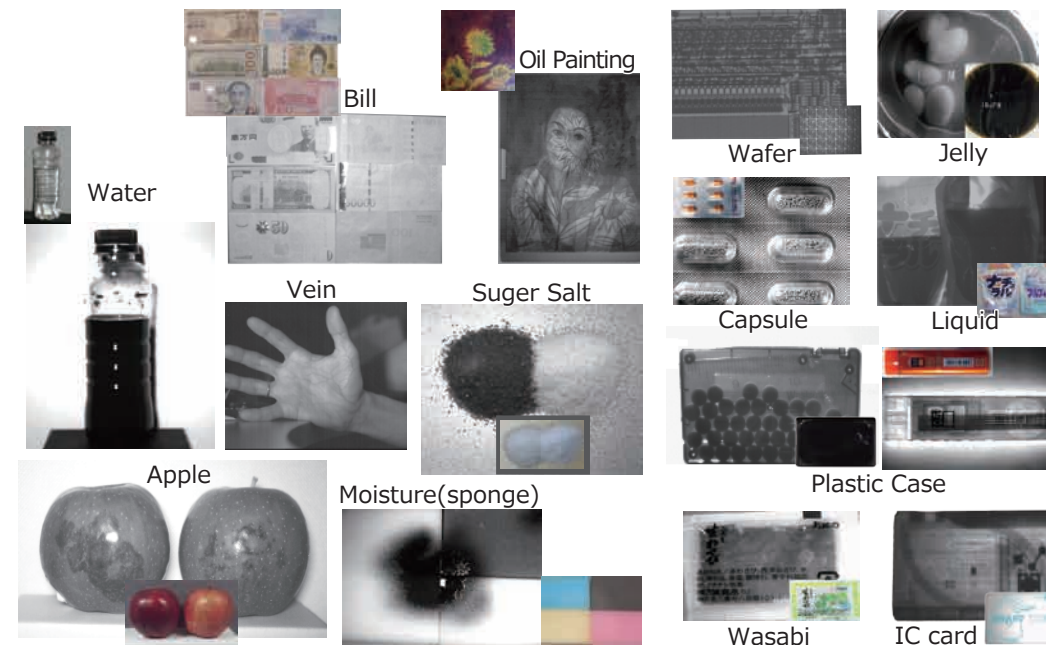
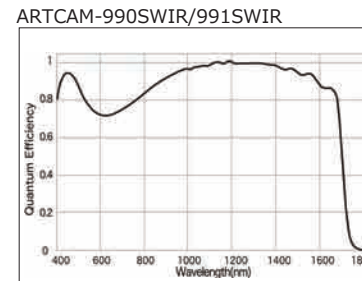
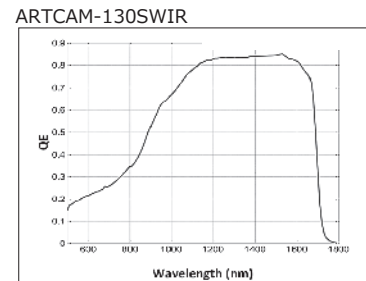
USB2.0

Camera Link

Ethernet

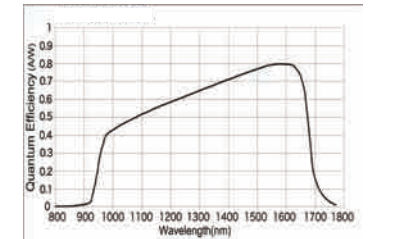
ANALOG
NTSC/PALFree SDK
(Software Development Kit)

1.3MP

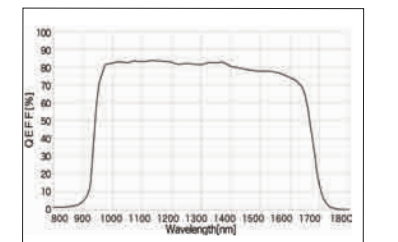
400 ~ 1700nm
VIS ~ SWIR

900 ~ 1700nm

ARTCAM-032TNIR/009TNIR/0016TNIR



ARTCAM-131TNIR



The long-awaited cooling type is newly introduced.
Cooling the sensor reduces dark current and significantly reduces noise during long exposures.

Sensor cover glass can be removed, replaced, or tilted. Please contact us for more information.

1.3MP 1280×1024 SXGA	Model Name	Sensor	Cooling function	Wavelength(nm)	Pixel Size(μm)	Image Size(mm)	Frame Rate	Exposure Time(Sec)	Shutter	Interface	A/D Converter	Lens Mount	Trigger	Analog Output	Dimensions(mm)	Weight(g)
	ARTCAM-990SWIR-TEC	 	≤15℃	400 ~ 1700	5(H)×5(V)	6.4(H)×5.12(V)	72fps (12bit)	1/4926.10837 ~ 2	Global	USB3.0 Camera Link	12bit	C-Mount	✓	-	71.6(W)×61.5(H)×78(L)	440 g
	ARTCAM-990SWIR	 	-		5(H)×5(V)	6.4(H)×5.12(V)		✓			-		50.0(W)×47.0(H)×42.7(L)	110 g		
	ARTCAM-130SWIR		-		10(H)×10(V)	12.8(H)×10.24(V)	30fps	1/25706 ~ 1.27					13bit	✓	-	71.6(W)×61.5(H)×59.0(L)

0.32MP 640×512 VGA	Model Name	Sensor	Cooling function	Wavelength(nm)	Pixel Size(μm)	Image Size(mm)	Frame Rate	Exposure Time(Sec)	Shutter	Interface	A/D Converter	Lens Mount	Trigger	Analog Output	Dimensions(mm)	Weight(g)
	ARTCAM-991SWIR-TEC	 	≤15℃	400 ~ 1700	5(H)×5(V)	3.2(H)×2.56(V)	137fps (12bit)	1/4926.10837 ~ 2	Global	USB3.0 Camera Link	12bit	C-Mount	✓	-	71.6(W)×61.5(H)×78(L)	440 g
	ARTCAM-991SWIR	 	-		5(H)×5(V)	3.2(H)×2.56(V)		✓			-		50.0(W)×47.0(H)×42.7(L)	110 g		
	ARTCAM-131TNIR-TEC		-30℃	900 ~ 1700	15(H)×15(V)	9.68(H)×7.68(V)	263fps	1/10000 ~ 123		USB3.0	14bit		✓	-	90(W)×113(H)×137(L)	1200 g
	ARTCAM-131TNIR		-		15(H)×15(V)	9.68(H)×7.68(V)		1/136 ~ 0.48					✓	-	71.6(W)×61.5(H)×43.5(L)	220 g
	ARTCAM-032TNIR		-	950 ~ 1700	20(H)×20(V)	12.8(H)×10.24(V)	62fps	1/1000000 ~ 1			12bit		✓	✓	71.6(W)×61.5(H)×58.5(L)	272 g
	ARTCAM-031TNIR		-	900 ~ 1700	25(H)×25(V)	16.0(H)×12.8(V)	27fps	1/185185.185 ~ 4.408		USB2.0			✓	-	71.6(W)×61.5(H)×125(L)	400 g

0.08MP 320×256 QVGA	Model Name	Sensor	Cooling function	Wavelength(nm)	Pixel Size(μm)	Image Size(mm)	Frame Rate	Exposure Time(Sec)	Shutter	Interface	A/D Converter	Lens Mount	Trigger	Analog Output	Dimensions(mm)	Weight(g)	
	ARTCAM-H2550SWIR		-20℃	1700 ~ 2550	20(H)×20(V)	6.4(H)×5.12(V)	507fps	5/10000~1/1000	Global	USB3.0	14bit	C-Mount	-	-	90(W)×113(H)×137(L)	1200 g	
	ARTCAM-H2150SWIR		-20℃	1300 ~ 2150	20(H)×20(V)	6.4(H)×5.12(V)		5/10000~1/100					-	-			
	ARTCAM-H1850SWIR		-20℃	1120 ~ 1850	20(H)×20(V)	6.4(H)×5.12(V)		5/10000~1/10					-	-			
	ARTCAM-109SWIR-TEC		-20℃	950 ~ 1700	20(H)×20(V)	6.4(H)×5.12(V)	485fps	1/1000000 ~ 1					✓	✓			71.6(W)×61.5(H)×58.5(L)
	ARTCAM-009TNIR		-	950 ~ 1700	20(H)×20(V)	6.4(H)×5.12(V)	228fps						✓	-	71.6(W)×61.5(H)×51.5(L)	250 g	
	ARTCAM-008TNIR		-	900 ~ 1700	30(H)×30(V)	9.6(H)×7.68(V)	90fps	1/25706 ~ 1.27		USB2.0							

0.016MP 128×128	Model Name	Sensor	Cooling function	Wavelength(nm)	Pixel Size(μm)	Image Size(mm)	Frame Rate	Exposure Time(Sec)	Shutter	Interface	A/D Converter	Lens Mount	Trigger	Analog Output	Dimensions(mm)	Weight(g)
	ARTCAM-0016TNIR-TEC		-10℃	950 ~ 1700	20(H)×20(V)	2.56(H)×2.56(V)	258fps	1/1000000 ~ 0.013	Global	USB2.0	14bit	C-Mount	✓	-	71.6(W)×61.5(H)×61.5(L)	330 g
	ARTCAM-0016TNIR		-		20(H)×20(V)	2.56(H)×2.56(V)							✓	-		280 g

NIR CMOS Camera

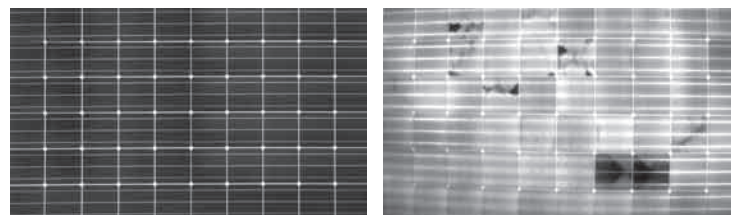
CMOS

- Wavelength Up to 1100nm
- Inspection of EL Actively
- Compared with InGaAs, Low Cost
- The Effect of Moonlight on Observation



400 ~ 1100nm

Electro Luminescence



VISIBLE CAMERA

NIR CAMERA

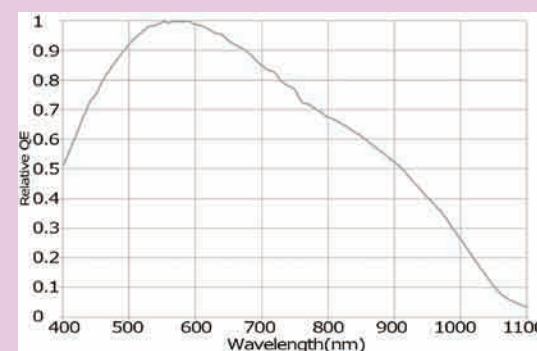
Free SDK
(Software Development Kit)

1.3M

ARTCAM-130XQE-WOM

Pixels	: 1.3Mega Pixels
Active Pixels	: 1280(H)×1024(V)
Pixel Size(μm)	: 10(H)×10(V)
Optical Format	: 1inch
Wavelength(nm)	: 400 ~ 1100
Shutter Type	: Rolling Shutter
Frame Rate	: 28fps
Interface	: USB2.0

[SPECTRAL SENSITIVITY]



Sensor cover glass can be removed, replaced, or tilted. Please contact us for more information.

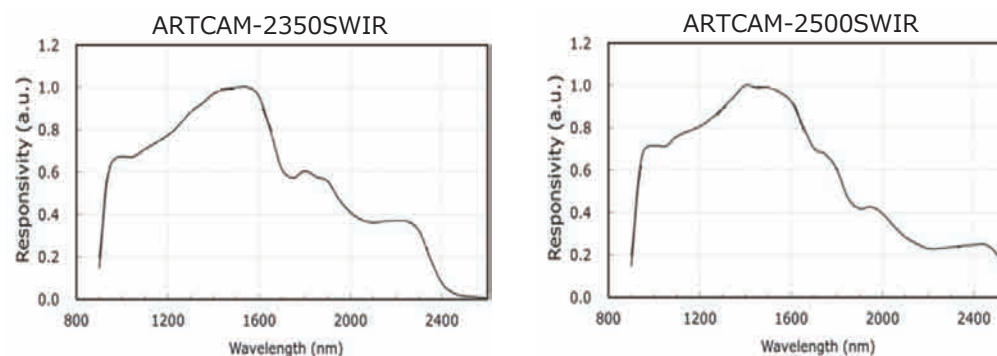
InGaAs/GaAsSb Camera



1000 ~ 2500nm



Sensor manufactured by **SUMITOMO ELECTRIC**



Model Name	Wavelength(nm)	Resolution	Pixel Size(μm)	Interface	Frame Rate	A/D Converter	Power Supply	Lens Mount	Dimensions(mm)	Weight(g)
ARTCAM-2350SWIR	1000 ~ 2350	320(H) × 256(V)	30(H)×30(V)	Camera Link	320fps	16bit(0~65535)	DC24V	C-Mount U-Mount(M42) F-Mount	90(W)×170(H)×110(L)	Approx. 2500
ARTCAM-2500SWIR	1000 ~ 2500									

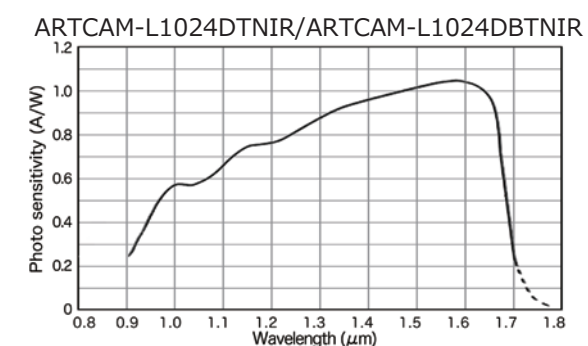
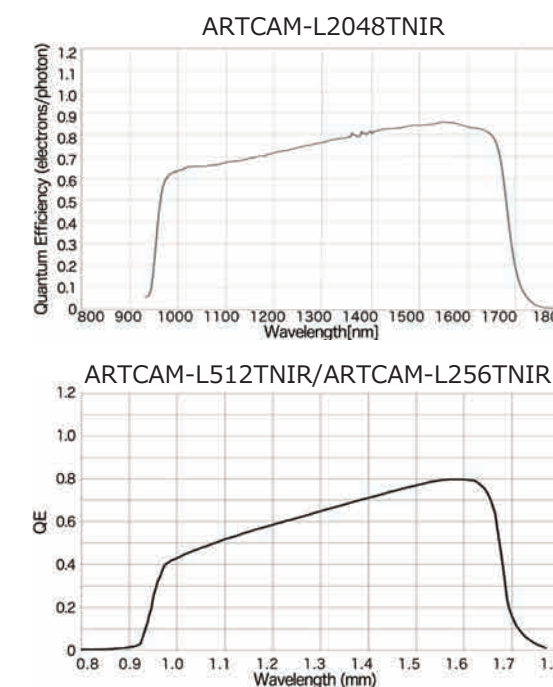
※ARTCAM-2500SWIR is a made-to-order product.

InGaAs Line Scan Camera

USB3.0



900 ~ 1700nm

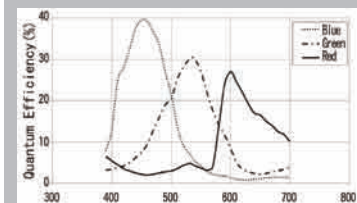


Sensor manufactured by **HAMAMATSU Xenics** Infrared Solutions

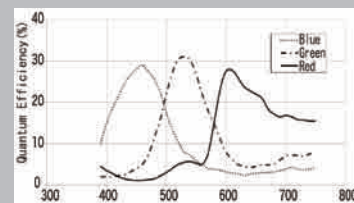
Model Name	Resolution	Wavelength(nm)	Pixel Size(μm)	Line Rate	A/D Converter	Lens Mount	Trigger
ARTCAM-L2048TNIR	2048	900 ~ 1700	12.5(H)×12.5(V)	10000Hz	14bit	C-mount	✓
ARTCAM-L1024DTNIR	1024		25(H) × 100(V)	31446Hz		F-Mount	
ARTCAM-L1024DBTNIR			25(H) × 25(V)				
ARTCAM-L512TNIR	512	950 ~ 1700	25(H) × 25(V)	8150Hz		C-Mount	
ARTCAM-L256TNIR	256		50(H) × 50(V)	14000Hz			

Spectral Sensitivity Characteristics

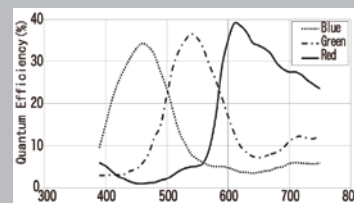
CMOS



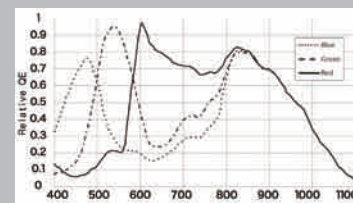
1400MI-WOM
1400MI-USB3-T2



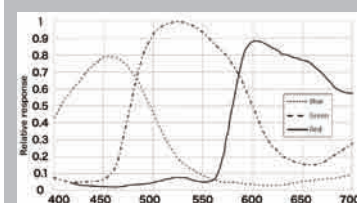
500MI-WOM
500MI-USB3-T2



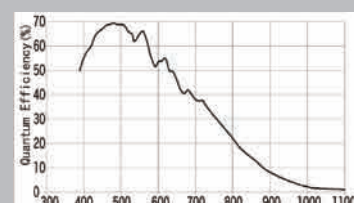
300MI-WOM



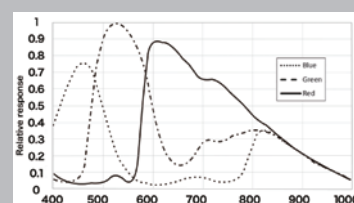
130XQE-WOM-C



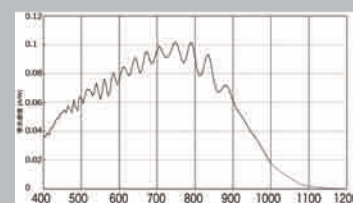
226IMX-USB3-T2



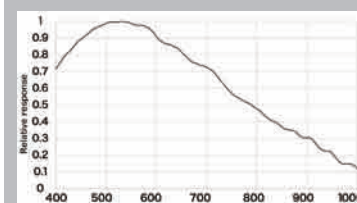
500MI-BW-USB3-T2



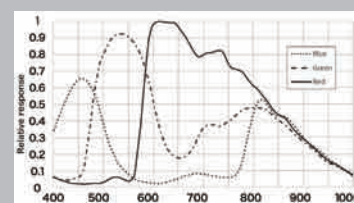
174IMX-USB3-T2



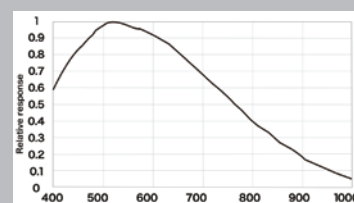
130HP-WOM



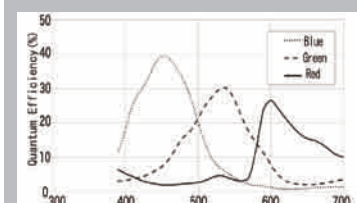
226IMX-BW-USB3-T2



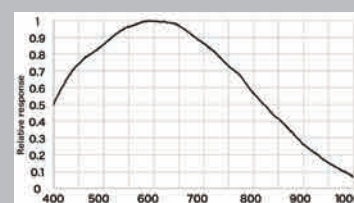
264IMX-WOM, 265IMX-WOM
250IMX-USB3-T2, 264IMX-USB3-T2
252IMX-USB3-T2, 265IMX-USB3-T2



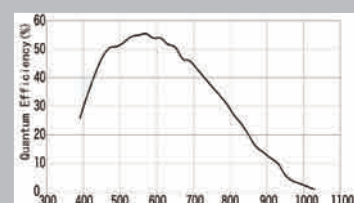
174IMX-BW-USB3-T2



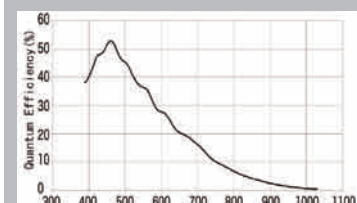
1000MI-WOM
1000MINI
1000MI-USB3-T2



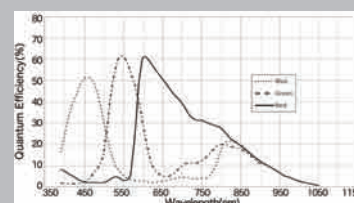
264IMX-BW-WOM, 265IMX-BW-WOM
250IMX-BW-USB3-T2, 264IMX-BW-USB3-T2
252IMX-BW-USB3-T2, 265IMX-BW-USB3-T2



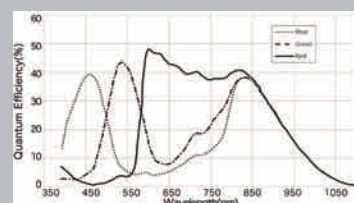
130MI-BW-WOM



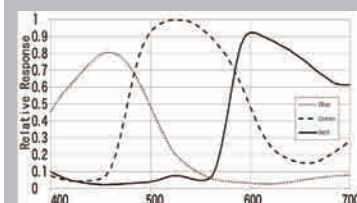
1000MI-BW-WOM
1000MINI-BW
1000MI-BW-USB3-T2



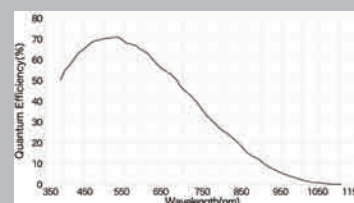
0134AR-WOM



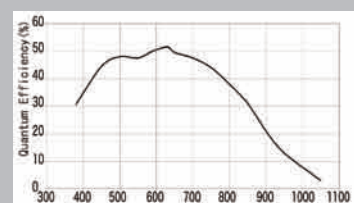
036MI2-WOM
022MINI



178IMX-USB3-T2

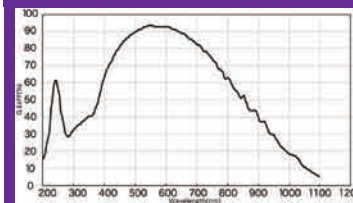


0134AR-BW-WOM

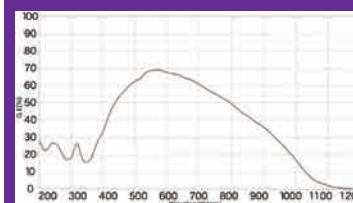


036MI2-BW-WOM
022MINI-BW

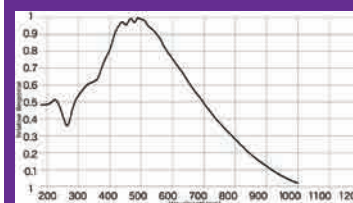
UV



2020UV

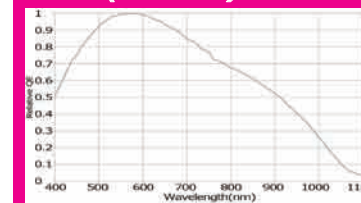


130UV-WOM



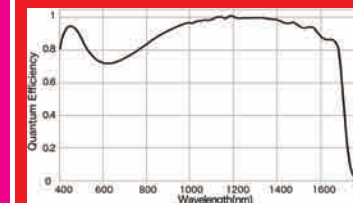
407UV-WOM

NIR(CMOS)

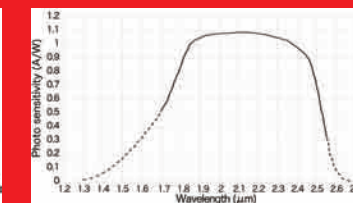


130XQE-WOM
130XQE-HD3

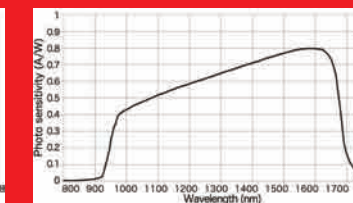
SWIR



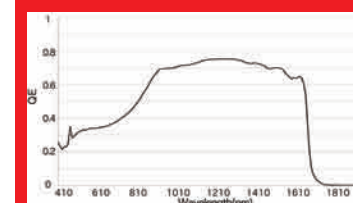
990SWIR, 990SWIR-TEC



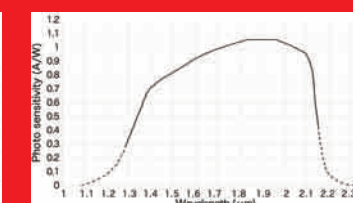
H2550SWIR-TEC



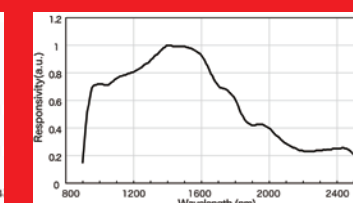
0016TNIR
0016TNIR-TEC



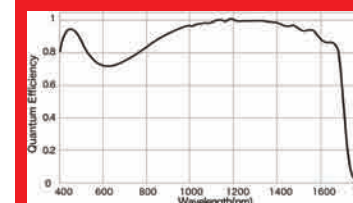
130SWIR



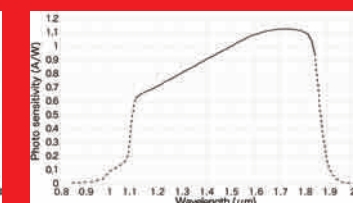
H2150SWIR-TEC



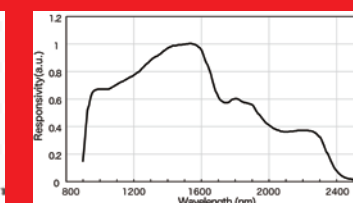
2500SWIR



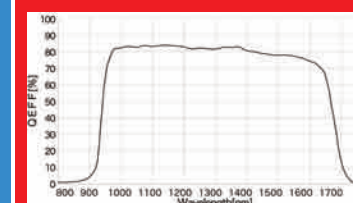
991SWIR, 991SWIR-TEC



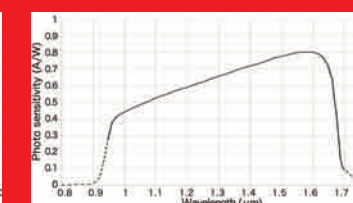
H1850SWIR-TEC



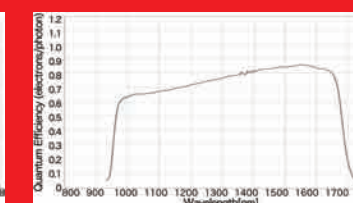
2350SWIR



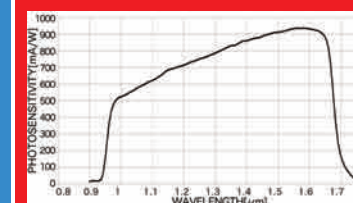
131TNIR
131TNIR-TEC



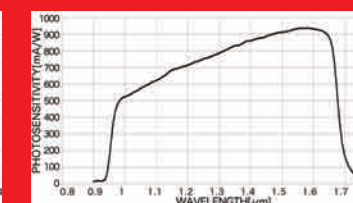
109SWIR-TEC



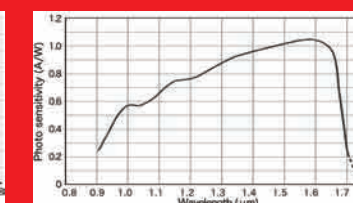
L2048TNIR



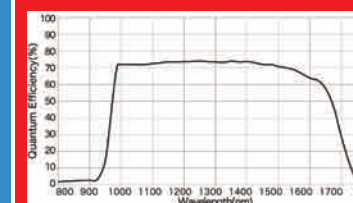
032TNIR



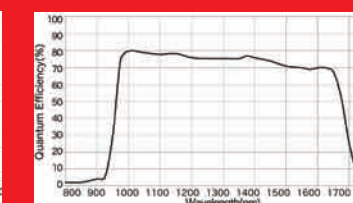
009TNIR



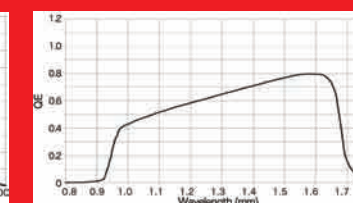
L1024DTNIR
L1024DBTNIR



031TNIR

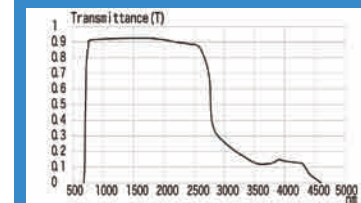


008TNIR

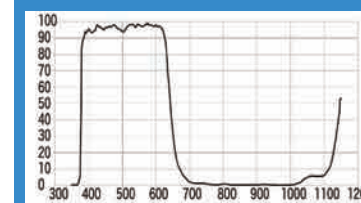


L512TNIR
L256TNIR

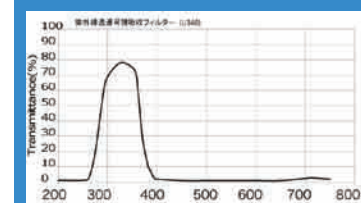
FILTER



IR Pass Filter



IR Cut Filter



UV Pass Filter