

# NIR/SWIR CAMERAS

## InGaAs CAMERA

Wavelength(nm)	Model Name	cooling	Pixels	Sensor Manufacturer	Optical Format	Active Pixels	Pixel Size(μm)	Frame Rate	Exposure Time(Sec)	Shutter Type	Trigger	Interface
400 ~ 1700	ARTCAM-990SWIR-TEC	○	1.3M	<b>SONY</b>	6.4×5.12mm	1280×1024	5(H)×5(V)	72fps	20.3μs ~ 2s	Global	○	USB3.0 Camera Link
	ARTCAM-990SWIR	-						30fps				
	ARTCAM-130SWIR	-						137fps				
	ARTCAM-991SWIR-TEC	○						59fps				
	ARTCAM-991SWIR	-						263fps				
900 ~ 1700	ARTCAM-991SWIR-WOM	-	0.32M	<b>SONY</b>	3.2×2.56mm	640×512	5(H)×5(V)	137fps	20.3μs ~ 2s	Global	○	USB3.0 Camera Link
	ARTCAM-131TNIR	-						59fps				
	ARTCAM-131TNIR	○						263fps				
	ARTCAM-032TNIR	-						62fps				
	ARTCAM-031TNIR	-						27fps				
950 ~ 1700	ARTCAM-009TNIR	-	0.08M	<b>HAMAMATSU</b> LEADING PHOTONICS TECH	16.0×12.8mm	320×256	20(H)×20(V)	228fps	1μs ~ 1s	Global	○	USB2.0 Camera Link
	ARTCAM-008TNIR	-						90fps				
	ARTCAM-2500SWIR	○						320fps				
	ARTCAM-2350SWIR	○						1ms ~ 3ms				
	ARTCAM-0016TNIR-TEC	○						1ms ~ 15ms				
950 ~ 1700	ARTCAM-0016TNIR	-	0.016M	<b>HAMAMATSU</b>	2.56×2.56mm	128×128	20(H)×20(V)	258fps	1μs ~ 0.01s	Global	○	USB2.0
	ARTCAM-0016TNIR	-										

## SWIR LENS

Manufacturer Name	Focal Length	Image Format	Model Name	F No.	Mount
<b>computer</b> VISIR AFD	SWIR Transmission from 400 ~ 1700nm Apochromat type				
	8mm	2/3"	M0818-APVSW	F1.8	C
	12mm	2/3"	M1218-APVSW	F1.8	C
	16mm	2/3"	M1618-APVSW	F1.8	C
	25mm	2/3"	M2518-APVSW	F1.8	C
<b>computer</b> VISIR Lite	SWIR Transmission from 400 ~ 1700nm				
	5mm	1/2"	H0514-VSW	F1.4	C
	8mm	2/3"	M0814-VSW	F1.4	C
	12mm	2/3"	M1214-VSW	F1.4	C
	16mm	2/3"	M1614-VSW	F1.4	C
	25mm	2/3"	M2514-VSW	F1.4	C
	35mm	2/3"	M3514-VSW	F1.4	C
	50mm	2/3"	M5018-VSW	F1.4	C
	SWIR Transmission from 800 ~ 1700nm				
	16mm	2/3"	M1614-SW	F1.4	C
25mm	2/3"	M2514-SW	F1.4	C	
35mm	2/3"	M3514-SW	F1.4	C	
50mm	2/3"	M5018-SW	F1.8	C	
<b>computer</b>	SWIR Transmission from 900 ~ 1700nm				
	6mm	1"	VHF6M-MP SWIR	F1.8	C
	8mm	1"	VHF8M-MP SWIR	F1.4	C
	12.5mm	1"	VHF12.5M-MP SWIR	F1.4	C
	16mm	1"	VHF16M-MP SWIR	F1.4	C
<b>SPALCOM</b> LIFE CAMERA	25mm	1"	VHF25M-MP SWIR	F1.4	C
	35mm	1"	VHF35M-MP SWIR	F1.4	C

Manufacturer Name	Focal Length	Image Format	Model Name	F No.	Mount
<b>VS TECHNOLOGY</b> PRECISE THERMAL OPTICS	SWIR Transmission from 700 ~ 2000nm				
	6mm	1"	VS-0618HI-SWIR	F1.8	C
	8mm	1"	VS-0814HI-SWIR	F1.4	C
	12mm	1"	VS-1214HI-SWIR	F1.4	C
	16mm	1"	VS-1614HI-SWIR	F1.4	C
	25mm	1"	VS-2514HI-SWIR	F1.4	C
	35mm	1"	VS-3514HI-SWIR	F1.4	C
	50mm	1"	VS-5018HI-SWIR	F1.8	C
	SWIR Transmission from 450 ~ 2000nm Focus shift type				
	8mm	1"	LM8HC-VIS-SW	F1.8	C
<b>Kowa</b>	SWIR Transmission from 800 ~ 1900nm				
	8mm	1"	LM8HC-SW	F1.4	C
	12.5mm	1"	LM12HC-SW	F1.4	C
	16mm	1"	LM16HC-SW	F1.4	C
	25mm	1"	LM25HC-SW	F1.4	C
	35mm	1"	LM35HC-SW	F1.4	C
	50mm	1"	LM50HC-SW	F1.4	C
	SWIR Transmission from 800 ~ 1900nm				
	8mm	1"	LM8HC-SW	F1.4	C
	12.5mm	1"	LM12HC-SW	F1.4	C

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# ARTRAY

## PRODUCTS INFORMATION

### ENGLISH VERSION



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

April 2022

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  
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 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.

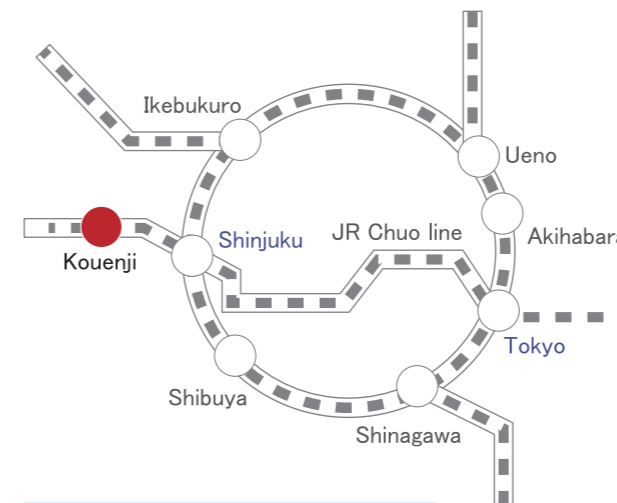
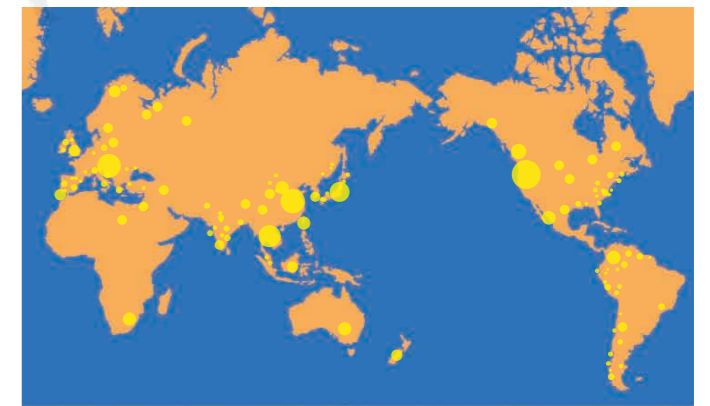
Our products take part in many exhibitions around the world and receive excellent feedbacks for their originality and handy applications.

### 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



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.

# InGaAs Camera

400 ~ 1700nm

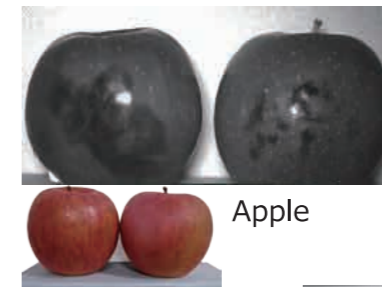
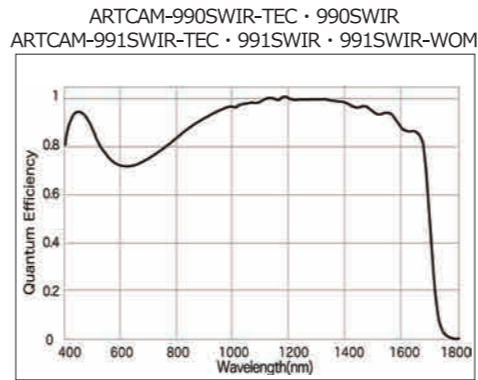
USB3.0

USB2.0

Camera Link

UVC

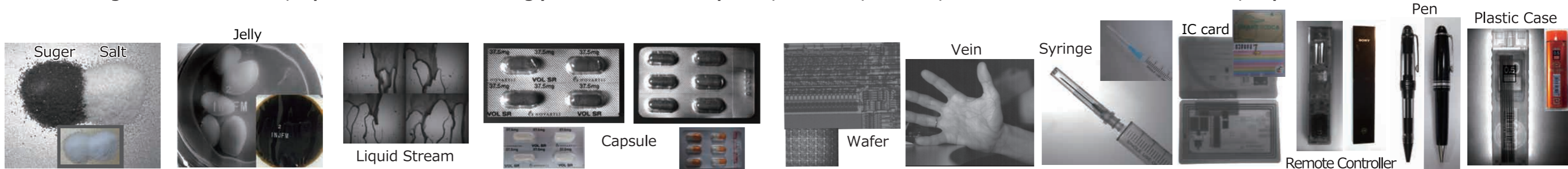
Free SDK  
(Software Development Kit)



It is a camera equipped with SONY IMX990 and IMX991 InGaAs sensors. Newly UVC model corresponding to etc. has been added for Linux, Jetson, Raspberry Pi, Coral.

Pixels	Model Name	Sensor	Wavelength	Cooling function	Pixel Size	Image Size	Frame Rate	Interface	Exposure Time	Shutter	A/D resolution	Lens Mount	Trigger	Dimensions(W×H×D)	Weight
<b>1.3MP</b> 1280×1024	ARTCAM-990SWIR-TEC	<b>SONY</b> IMX990-AABA-C SenSWIR	400 ~ 1700nm	10℃	5×5μm	6.4×5.12mm	72fps	USB3.0 Camera Link	20.3μs ~ 2s	Global	12bit	C-Mount	○	71.6×61.5×78mm	440g
<b>1.3MP</b> 1280×1024	ARTCAM-990SWIR	<b>SONY</b> IMX990-AABJ-C SenSWIR		-				50.0×47.0×42.7mm						110g	
<b>0.32MP</b> 640×512	ARTCAM-991SWIR-TEC	<b>SONY</b> IMX991-AABA-C SenSWIR		10℃		3.2×2.56mm	137fps	USB3.0 Camera Link						71.6×61.5×78mm	440g
<b>0.32MP</b> 640×512	ARTCAM-991SWIR	<b>SONY</b> IMX991-AABJ-C SenSWIR		-				50.0×47.0×42.7mm						110g	
<b>0.32MP</b> 640×512	ARTCAM-991SWIR-WOM	<b>SONY</b> IMX991-AABJ-C SenSWIR		-		59fps	USB2.0	50.0×47.0×49.7mm						140g	

Sensor cover glass can be removed, replaced or mounted slantingly. The lens mount is optional, CS mount, F mount, and other mounts are also available, so please contact us.



Pixels	Model Name	Sensor	Wavelength	Cooling function	Pixel Size	Image Size	Frame Rate	Exposure Time	Shutter	Interface	A/D resolution	Lens Mount	Trigger	Analog Output	Dimensions(W×H×D)	Weight
<b>1280×1024</b>	ARTCAM-130SWIR	sd	400 ~ 1700nm	-	10×10μm	12.8×10.24mm	30fps	0.1ms ~ 1s	Global	USB3.0 Camera Link	13bit	C-Mount	○	-	71.6×61.5×59.0mm	360g
	ARTCAM-131TNIR-TEC	CHUNGHWA LEADING PHOTONICS TECH	900 ~ 1700nm	-30℃	15×15μm	9.68×7.68mm	263fps	0.1ms ~ 123s		USB3.0	14bit		○	-	90.0×113×137mm	1200g
<b>640×512</b>	ARTCAM-131TNIR	CHUNGHWA LEADING PHOTONICS TECH	900 ~ 1700nm	-	15×15μm	9.68×7.68mm		62fps		7.33ms ~ 0.48s			○	-	○	-
	ARTCAM-032TNIR	HAMAMATSU	950 ~ 1700nm	-	20×20μm	12.8×10.24mm	1μs ~ 1s			○	○		71.6×61.5×58.5mm	272g		
<b>320×256</b>	ARTCAM-031TNIR	CHUNGHWA LEADING PHOTONICS TECH	900 ~ 1700nm	-	25×25μm	16.0×12.8mm	27fps	5.4μs ~ 4.41s		○	○		○	-	71.6×61.5×125mm	400g
	ARTCAM-009TNIR	HAMAMATSU	950 ~ 1700nm	-	20×20μm	6.4×5.12mm	228fps	1μs ~ 1s		○	○		○	-	71.6×61.5×58.5mm	272g
<b>128×128</b>	ARTCAM-008TNIR	CHUNGHWA LEADING PHOTONICS TECH	900 ~ 1700nm	-	30×30μm	9.6×7.68mm	90fps	38.9μs ~ 1.27s		○	○		○	-	71.6×61.5×51.5mm	250g
	ARTCAM-0016TNIR-TEC	HAMAMATSU	950 ~ 1700nm	-10℃	20×20μm	2.56×2.56mm	258fps	1μs ~ 0.01s		○	○		○	-	71.6×61.5×61.5mm	330g
ARTCAM-0016TNIR	HAMAMATSU	950 ~ 1700nm	-	20×20μm	2.56×2.56mm	○			○	○	-	71.6×61.5×61.5mm	280g			

Sensor cover glass can be removed, replaced or mounted slantingly. The lens mount is optional, CS mount, F mount, and other mounts are also available, so please contact us.

## sCMOS Camera

It is possible to acquire vivid images with high sensitivity even in a low-light environment. Due to the large pixel size, these cameras have high quantum efficiency and wide sensitivity characteristics while offering high frame rates.



### ARTCAM-9701-USB3

- \* Pixels : 1.3M
- \* Sensor : Gpixel
- \* On-board sensor : GLUX9701BSI
- \* Sensor Type : Mono
- \* Shutter Type : Rolling Shutter

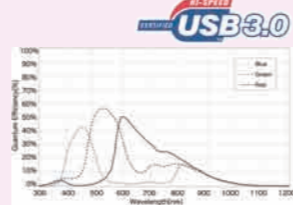
- \* Resolution : 1280(H)×1024(V)
- \* Image Size(mm) : 12.493(H)×9.994(V)
- \* Optical Format : 1inch
- \* Interface : USB3.0
- \* Pixel Size(μm) : 9.76(H)×9.76(V)
- \* Frame Rate : 25fps



### ARTCAM-7050-USB3

- \* Pixels : 2M
- \* Sensor : Canon
- \* On-board sensor : LI7050SAC
- \* Sensor Type : Color
- \* Shutter Type : Rolling Shutter

- \* Resolution : 1936(H)×1096(V)
- \* Image Size(mm) : 7.94(H)×4.49(V)
- \* Optical Format : 1/1.8inch
- \* Interface : USB3.0
- \* Pixel Size(μm) : 4.1(H)×4.1(V)
- \* Frame Rate : 60fps



### ARTCAM-3030-USB3

- \* Pixels : 2.7M
- \* Sensor : Canon
- \* On-board sensor : LI3030SA
- \* Sensor Type : Color · Mono
- \* Shutter Type : Rolling Shutter

- \* Resolution : 2160(H)×1280(V)
- \* Image Size(mm) : 41.04(H)×24.32(V)
- \* Optical Format : 35mm Full size
- \* Interface : USB3.0
- \* Pixel Size(μm) : 19(H)×19(V)
- \* Frame Rate : 98fps

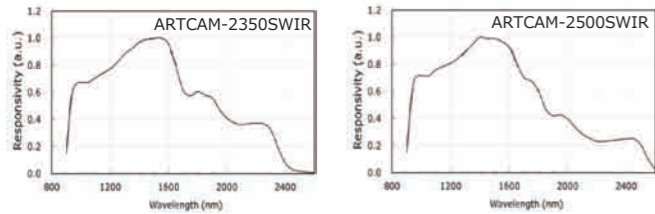


## InGaAs/GaAsSb Camera

1000 ~ 2500nm



Sensor manufactured by SUMITOMO ELECTRIC



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

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

## InGaAs Line Scan Camera

900 ~ 1700nm



Resolution	Wavelength	Model Name	Sensor	Pixel Size	Line Rate	Interface	A/D Converter	Lens Mount	Trigger
2048	900 ~ 1700nm	ARTCAM-L2048TNIR	Xenics	12.5×12.5μm	10000Hz	USB3.0 Camera Link	14bit	C-Mount	○
1024		ARTCAM-L1024DTNIR	HAMAMATSU	25 × 100μm	31446Hz			F-Mount	
		ARTCAM-L1024DBTNIR		25 × 25μm	8150Hz			C-Mount	
512	950 ~ 1700nm	ARTCAM-L512TNIR	HAMAMATSU	25 × 25μm	8150Hz	Camera Link	14bit	C-Mount	○
		ARTCAM-L256TNIR		50 × 50μm	14000Hz				

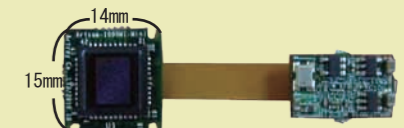
## Mini Camera

### 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.

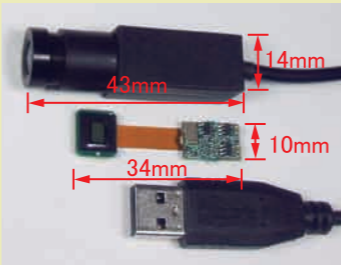


※Board camera type is available

### 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



GLOBAL SHUTTER TYPE

## Digital Video Output Camera

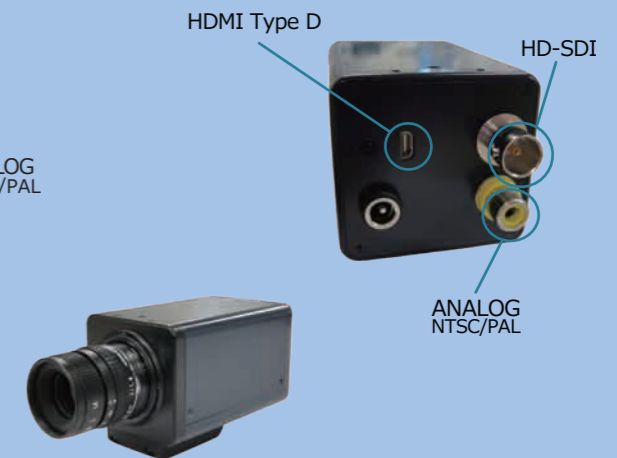
No PC needed !  
Display on monitors/TVs via LCD or Digital video output interface.

HDMI HD-SDI ANALOG NTSC/PAL

### 2.1M

#### ARTCAM-185IMX-HD3

- Lens Mount : C-Mount
- Output : HDMI Type D / 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)



# UV Camera

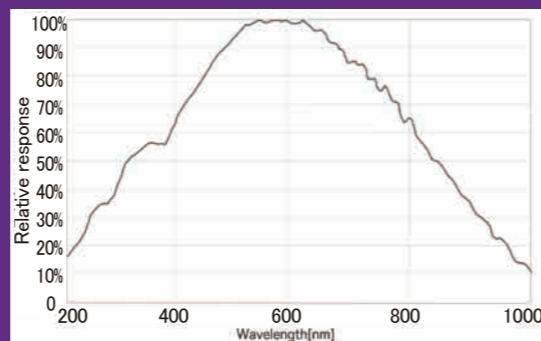
## 8.1MP

### ARTCAM-487UV



Sensor Type : CMOS(SONY Back Illuminated)  
 Shutter Type : Global Shutter  
 Resolution : 2848(H)×2848(V)  
 Image Size(mm) : 7.82(H)×7.80(V)  
 Interface : USB3.0  
 Pixel Size(μm) : 2.74(H)×2.74(V)  
 Frame Rate : 38fps  
 Optical Format : 2/3inch  
 A/D Converter : 12bit  
 Exposure Time : 0.1ms ~ 26ms

200~1000nm



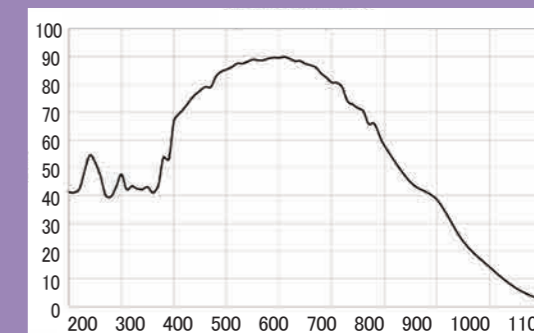
## 1.3MP

### ARTCAM-9701UV



Sensor Type : CMOS  
 Shutter Type : Rolling Shutter  
 Resolution : 1280(H)×1024(V)  
 Image Size(mm) : 12.49(H)×9.99(V)  
 Interface : USB3.0  
 Pixel Size(μm) : 9.76(H)×9.76(V)  
 Frame Rate : 25fps  
 Optical Format : 1inch  
 A/D Converter : 12bit

200~1000nm



## 4MP

### ARTCAM-2020UV

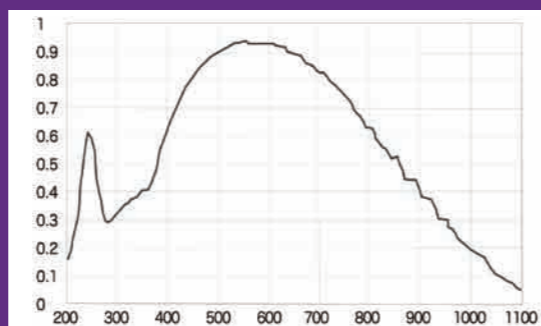


Free SDK  
(Software Development Kit)



Sensor Type : CMOS  
 Shutter Type : Rolling Shutter  
 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 : 43fps  
 Optical Format : 1inch  
 A/D Converter : 12bit  
 Exposure Time : 56μs ~ 1s  
 Dimensions(mm) : 71.6(W)×61.5(H)×51.5(D)  
 Weight(g) : 240

200~1050nm



## 1.5MP

### ARTCAM-407UV-WOM

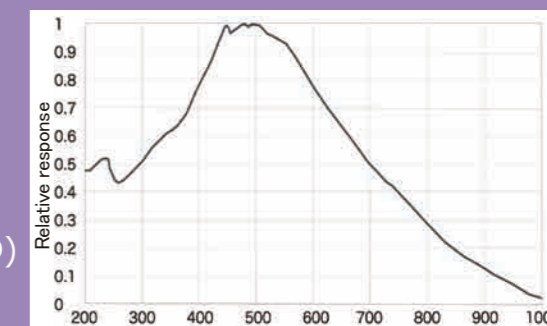
USB2.0

Free SDK  
(Software Development Kit)



200~900nm

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 : 16.9μs ~ 80ms  
 Dimensions(mm) : 50(W)×47(H)×49.7(D)  
 Weight(g) : 120



## 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

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

# USB 3.0 Camera

## CMOS



### 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-OP(Board Type)



ART-USB3HUB4(Case Type)

Made in JAPAN



## USB3.0

Free SDK  
(Software Development Kit)

Optional Items  
\*2 Dimension measurement software

Model Name	Pixels	Type Color Mono NIR	Sensor Manufacturer	Shutter Type	Active Image Size(mm) Optical Format	Active Pixels Pixel Size(μm)	Sensitivity	Lens Mount	Frame Rate	Exposure Time(Sec)	Power Supply	Dimensions(mm)
ARTCAM-1400MI-USB3-T2	14M	Color	ON Semiconductor	Rolling	6.14(H)×4.60(V) 1/2.3"	4608(H)×3288(V) 1.4(H)×1.4(V)	0.724V/Lux-sec(550nm)	C-Mount	6fps	1/10000~2.0	Supplied from USB Port	50(W)×47(H)×42.7(D)
ARTCAM-226IMX-USB3-T2	12M	Color NIR	SONY <b>STARVIS</b>		7.53(H)×5.63(V) 1/1.7"	4072(H)×3046(V) 1.85(H)×1.85(V)	Mono : 250mV @1/30sec Color : 280mV @1/30sec		27.9fps	1/10000~0.0352		50(W)×47(H)×42.7(D)
ARTCAM-1000MI-USB3-T2	10M	Color NIR	ON Semiconductor		6.41(H)×4.59(V) 1/2.3"	3856(H)×2764(V) 1.67(H)×1.67(V)	0.31V/Lux-sec(550nm)		6fps	1/10000~2.0		50(W)×47(H)×42.7(D)
ARTCAM-536IMX-USB3-T2	8.1M	Color NIR	SONY <b>Pregius S</b>	Global	7.82(H)×7.80(V) 2/3"	2840(H)×2840(V) 2.74(H)×2.74(V)	Mono : 2649mV@1/30sec Color : 1574mV@1/30sec		38fps	1/100000~2.0		50(W)×47(H)×42.7(D)
ARTCAM-178IMX-USB3-T2	6M	Color	SONY <b>STARVIS</b>	Rolling	7.43(H)×4.99(V) 1/1.8"	3072(H)×2048(V) 2.4(H)×2.4(V)	0.425V(Sony Standard)		50fps	1/10000~3.0		71.6(W)×61.5(H)×43(D)
ARTCAM-250IMX-USB3-T2	5M	Color NIR	SONY <b>Pregius</b>	Global	8.50(H)×7.09(V) 2/3"	2464(H)×2056(V) 3.45(H)×3.45(V)	Mono : 915mV @1/30sec Color : 1140mV @1/30sec		59fps	1/1000~3.276		50(W)×47(H)×42.7(D)
ARTCAM-264IMX-USB3-T2		Color NIR							36fps	1/10000~0.7		50(W)×47(H)×42.7(D)
ARTCAM-500MI-USB3-T2	3M	Color NIR	ON Semiconductor	Rolling	5.70(H)×4.28(V) 1/2.5"	2592(H)×1944(V) 2.2(H)×2.2(V)	1.4V/Lux-sec(550nm)		13.9fps	1/10000~2.0		50(W)×47(H)×42.7(D)
ARTCAM-252IMX-USB3-T2		Color NIR	SONY <b>Pregius</b>	Global	7.12(H)×5.32(V) 1/1.8"	2064(H)×1554(V) 3.45(H)×3.45(V)	Mono : 915mV @1/30sec Color : 1146mV @1/30sec		75fps	1/10000~3		50(W)×47(H)×42.7(D)
ARTCAM-265IMX-USB3-T2		Color NIR							55.6fps			50(W)×47(H)×42.7(D)
ARTCAM-174IMX-USB3-T2	2.3M	Color NIR						11.25(H)×7.03(V) 1/1.2"	1920(H)×1200(V) 5.86(H)×5.86(V)	0.825V(Sony Standard)	86fps	1/41666~1/86.65

## 250MP

Free SDK  
(Software Development Kit)




Optional Items  
\*2 Dimension measurement software

Coming soon

Model Name	Pixels	Type Color Mono NIR	Sensor Manufacturer	Shutter Type	Active Image Size(mm) Optical Format	Active Pixels Pixel Size(μm)	Sensitivity	Lens Mount	Frame Rate	Exposure Time(Sec)	Power Supply	Dimensions(mm)
ARTCAM-8020-USB3	250M	Color	Canon LI8020SA	Rolling	29.35(H)×18.88(V) APS-H	19568(H)×12588(V) 1.5(H)×1.5(V)	4,100e/lx/sec	M42-Mount	5fps	1/60000~2	12V	80(W)×65(H)×70(D)

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

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

-  Color Sensor with IR Cut Filter
-  Monochrome Sensor without Filter
-  Monochrome Sensor with Visible Cut Filter

# USB 2.0 Camera

## CMOS



### 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-OP(Board Type)



ART-USB3HUB4(Case 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.

## USB2.0

Free SDK  
(Software Development Kit)

Optional Items  
\*2 Dimension measurement software

Model Name	Pixels	Type			Sensor Manufacturer	Shutter Type	Active Image Size(mm) Optical Format	Active Pixels Pixel Size(μm)	Sensitivity	Lens Mount	Frame Rate	Exposure Time(Sec)	Power Supply	Dimensions(mm)
		Color	Mono	NIR										
ARTCAM-1400MI-WOM	14M	Color			ON Semiconductor	Rolling	6.14(H)×4.60(V) 1/2.3"	4608(H)×3288(V) 1.4(H)×1.4(V)	0.724V/Lux-sec(550nm)	C-Mount	3fps	1/9756~1.68	Supplied from USB Port	50(W)×47(H)×49.7(D)
ARTCAM-1000MI-WOM	10M	Color		NIR			6.41(H)×4.59(V) 1/2.3"	3856(H)×2764(V) 1.67(H)×1.67(V)	0.31V/Lux-sec(550nm)		4.4fps	1/11678~1.4		50(W)×47(H)×49.7(D)
ARTCAM-500MI-WOM	5M	Color		NIR			5.70(H)×4.28(V) 1/2.5"	2592(H)×1944(V) 2.2(H)×2.2(V)	1.4V/Lux-sec(550nm)		7.5fps	1/53452~1.196		50(W)×47(H)×41.7(D)
ARTCAM-264IMX-WOM	3M	Color		NIR	Sony <b>Pregius</b>	Global	8.50(H)×7.09(V) 2/3"	2464(H)×2056(V) 3.45(H)×3.45(V)	1.14V(Sony Standard)	12fps	8fps	72.56μ~1.93	50(W)×47(H)×41.7(D)	
ARTCAM-265IMX-WOM		Color		NIR			7.12(H)×5.32(V) 1/1.8"	2048(H)×1536(V) 3.45(H)×3.45(V)	Mono 1146mV @1/30sec Color 915mV @1/30sec		1.2/1941~1.49	50(W)×47(H)×41.7(D)		
ARTCAM-300MI-WOM	1.3M	Color			ON Semiconductor	Rolling	6.55(H)×4.92(V) 1/2"	2048(H)×1536(V) 3.2(H)×3.2(V)	1.0V/Lux-sec(550nm)	30fps	1/19688~0.832	50(W)×47(H)×41.7(D)		
ARTCAM-130MI-BW-WOM				NIR			6.66(H)×5.32(V) 1/2"	1280(H)×1024(V) 5.2(H)×5.2(V)	1.8V/Lux-sec(550nm)		1/35928~0.52		50(W)×47(H)×41.7(D)	
ARTCAM-130HP-WOM	1.3M			NIR	HAMAMATSU Photonics	Global	9.427(H)×7.578(V) 2/3"	1280(H)×1024(V) 7.4(H)×7.4(V)	13V/lx·s(2856k)	8fps	1/8651~1.06	50(W)×47(H)×41.7(D)		
ARTCAM-0134AR-WOM	1.2M	Color		NIR	ON Semiconductor		4.80(H)×3.60(V) 1/3"	1280(H)×960(V) 3.75(H)×3.75(V)	6.1V/Lux-sec(550nm)	27fps	1/27027~0.612	50(W)×47(H)×41.7(D)		
ARTCAM-036MI2-WOM	0.36M	Color		NIR			4.51(H)×2.88(V) 1/3"	752(H)×480(V) 6.0(H)×6.0(V)	4.8V/Lux-sec(550nm)	60fps	1/33149~0.988	50(W)×47(H)×41.7(D)		

## UVC

Optional Items  
\*2 Dimension measurement software

Model Name	Pixels	Type			Sensor Manufacturer	Shutter Type	Active Image Size(mm) Optical Format	Active Pixels Pixel Size(μm)	Sensitivity	Lens Mount	Frame Rate	Exposure Time(Sec)	Power Supply	Dimensions(mm)
		Color	Mono	NIR										
ARTCAM-800SN-OP	8M	Color			Sony	Rolling	4.5(H)×3.4(V) 1/3.2"	3264(H)×2448(V) 1.4(H)×1.4(V)	0.65V(Sony Standard)	M12 Mount	19fps	Automatic	Supplied from USB Port	28(W)×28(H)×21.8(D)
ARTCAM-0134ARSS-UVC-OP	1.2M	Color		NIR	ON Semiconductor	Global	4.80(H)×3.60(V) 1/3"	1280(H)×960(V) 3.75(H)×3.75(V)	5.3V/Lux-sec		30fps	1/8192~1/2		28(W)×28(H)×21.8(D)

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

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

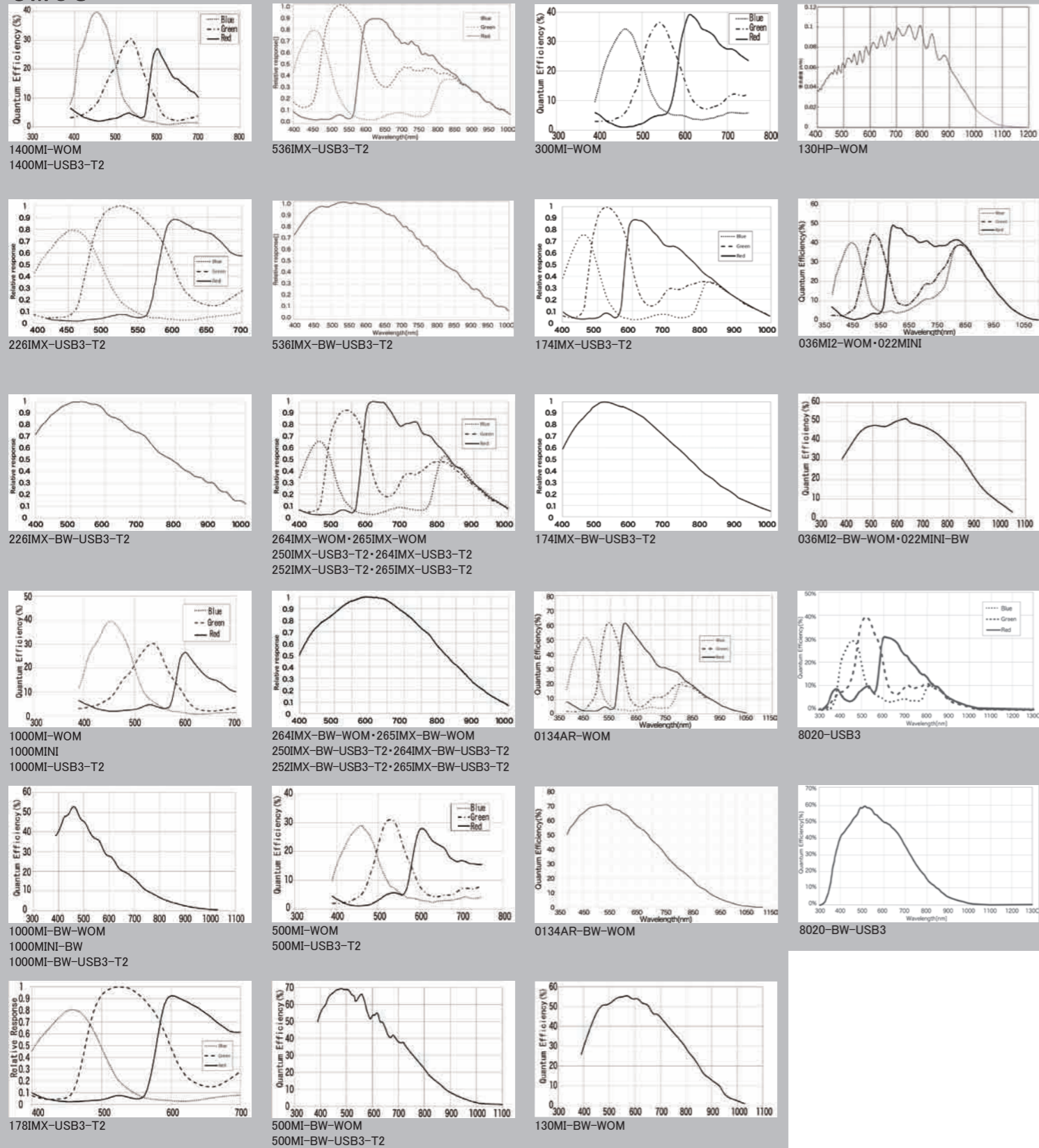
※For UVC compatible cameras, the board type is standard.

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

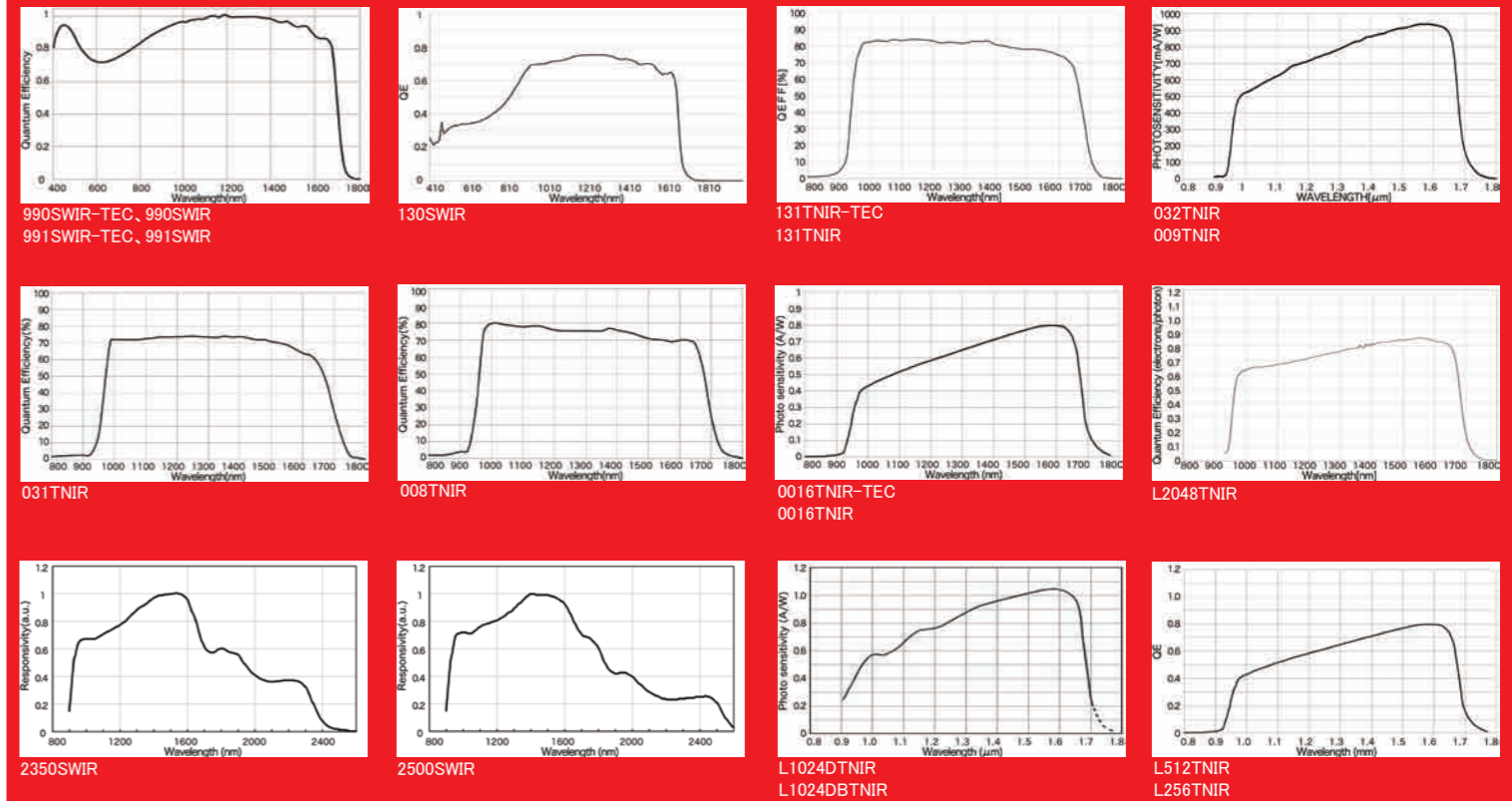
- Color Sensor with IR Cut Filter
- Monochrome Sensor without Filter
- Monochrome Sensor with Visible Cut Filter

# Spectral Sensitivity Characteristics

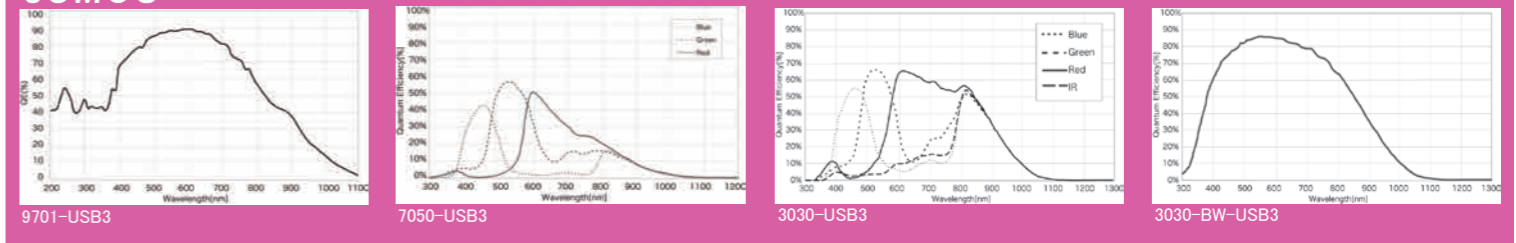
## CMOS



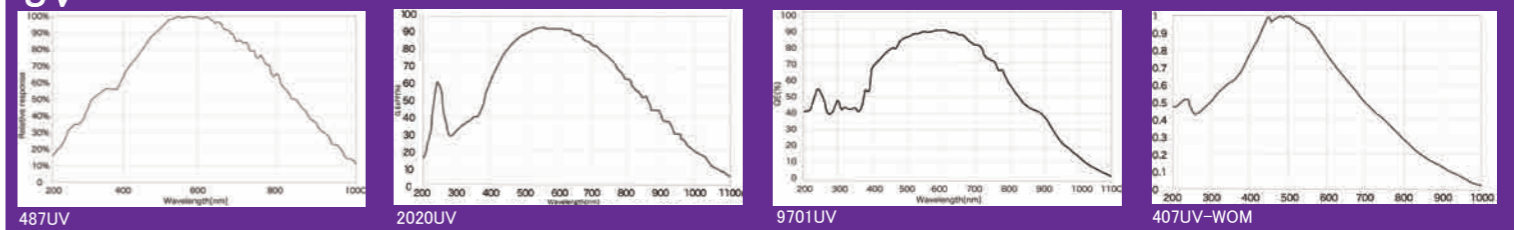
## SWIR



## sCMOS



## UV



## FILTER

