

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-992SWIR-TEC	○	5.24M	SONY	8.83×7.06mm	2560×2048	3.45(H)×3.45(V)	64fps 32fps (8bit) (12bit)	6.52μs ~ 2s	Global	○	USB3.0 Camera Link	
	ARTCAM-992SWIR	-	94fps 47fps (8bit) (12bit)					USB3.0 Camera Link					
	ARTCAM-993SWIR-TEC	○	3.14M					2048×1536				USB3.0 Camera Link	
	ARTCAM-993SWIR	-	1.31M					1280×1024				USB3.0 Camera Link	
900 ~ 1700	ARTCAM-990SWIR	○	0.32M	SONY	3.2×2.56mm	640×512	5(H)×5(V)	134fps 72fps (8bit) (12bit)	20.3μs ~ 2s	Global	○	USB3.0 Camera Link	
	ARTCAM-130SWIR	-						30fps				USB3.0 Camera Link	
	ARTCAM-991SWIR-TEC	○						258fps 137fps (8bit) (12bit)				USB3.0 Camera Link	
	ARTCAM-991SWIR	-						59fps (12bit)				USB3.0 Camera Link	
900 ~ 1700	ARTCAM-131TNIR-TEC	○	0.08M	SONY	9.68×7.68mm	320×256	15(H)×15(V)	0.1ms ~ 123s	0.1ms ~ 1s	Global	○	USB3.0 Camera Link	
	ARTCAM-131TNIR	-						7.33ms ~ 0.48s				USB3.0 Camera Link	
	ARTCAM-032TNIR	-						62fps				1μs ~ 1s	USB3.0 Camera Link
	ARTCAM-031TNIR	-						27fps				5.4μs ~ 4.41s	USB2.0 Camera Link
	ARTCAM-009TNIR	-						228fps				1μs ~ 1s	USB2.0 Camera Link
	ARTCAM-008TNIR	-						90fps				38.9μs ~ 1.27s	USB2.0 Camera Link
	ARTCAM-2500SWIR	○						1ms ~ 3ms				1ms ~ 15ms	Camera Link
	ARTCAM-2350SWIR	○						320fps				1ms ~ 15ms	Camera Link
	ARTCAM-0016TNIR-TEC	○						0.016M				1μs ~ 0.01s	Camera Link
	ARTCAM-0016TNIR	-						128×128				20(H)×20(V)	USB2.0 Camera Link

SWIR LENS

Manufacturer	Focal Length	Image Format	Model Name	F No.	Mount	Manufacturer Name	Focal Length	Image Format	Model Name	F No.	Mount
computer VISIR 250	SWIR Transmission from 400 ~ 1700nm	Achromat type				VS TECHNOLOGY VISUAL SYSTEMS	SWIR Transmission from 700 ~ 2000nm				
	8mm	1/1.4"	M0818-APVSW2	F1.8	C		6mm	1"	VS-0618H1-SWIR	F1.8	C
	12mm	1/1.4"	M1218-APVSW2	F1.8	C		8mm	1"	VS-0814H1-SWIR	F1.4	C
	16mm	1/1.4"	M1618-APVSW2	F1.8	C		12mm	1"	VS-1214H1-SWIR	F1.4	C
	25mm	1/1.4"	M2518-APVSW2	F1.8	C		16mm	1"	VS-1614H1-SWIR	F1.4	C
computer VISIR Lite	SWIR Transmission from 400 ~ 1700nm					Kowa	SWIR Transmission from 450 ~ 2000nm				
	5mm	1/2"	H0514-VSW	F1.4	C		8mm	1"	LM8HC-VIS-SW	F1.8	C
	8mm	2/3"	M0814-VSW	F1.4	C		12mm	1"	LM12HC-VIS-SW	F1.8	C
	12mm	2/3"	M1214-VSW	F1.4	C		16mm	1"	LM16HC-VIS-SW	F1.8	C
	16mm	2/3"	M1614-VSW	F1.4	C		25mm	1"	LM25HC-VIS-SW	F1.8	C
SPACCOM	SWIR Transmission from 900 ~ 1700nm						SWIR Transmission from 800 ~ 1900nm				
	6mm	1"	VHF6M-MP SWIR	F1.8	C		8mm	1"	LM8HC-SW	F1.4	C
	8mm	1"	VHF8M-MP SWIR	F1.4	C		12.5mm	1"	LM12HC-SW	F1.4	C
	12.5mm	1"	VHF12.5M-MP SWIR	F1.4	C		16mm	1"	LM16HC-SW	F1.4	C
	16mm	1"	VHF16M-MP SWIR	F1.4	C		25mm	1"	LM25HC-SW	F1.4	C
25mm	1"	VHF25M-MP SWIR	F1.4	C	35mm	1"	LM35HC-SW	F1.4	C		
35mm	1"	VHF35M-MP SWIR	F1.4	C	50mm	1"	LM50HC-SW	F1.4	C		

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ARTRAY



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

ARTRAY

PRODUCTS INFORMATION

ENGLISH VERSION



- InGaAs Camera
- UV Camera
- USB3.0 Camera
- USB2.0 Camera
- Board Camera
- sCMOS Camera
- InGaAs Line Scan Camera
- RGB-IR Camera
- EUV/Soft X-ray Camera
- Mini Camera

January 2024

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

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

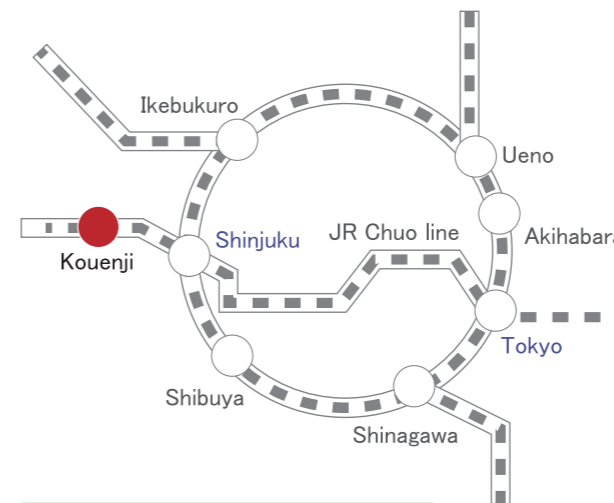
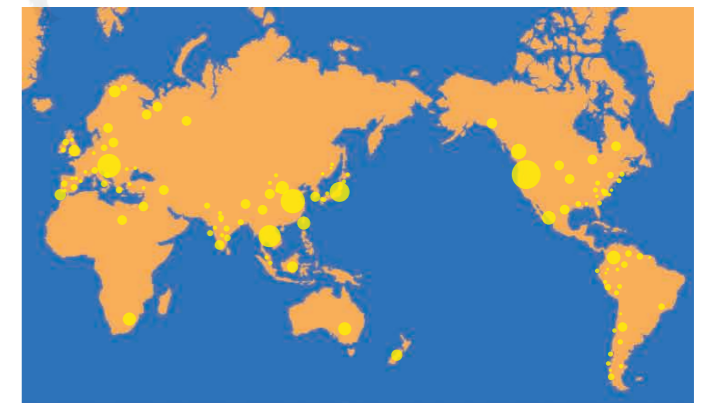
Our products take part in many exhibitions around the world and receive excellent feedbacks for their originality and handy applications.

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.



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ARTRAY



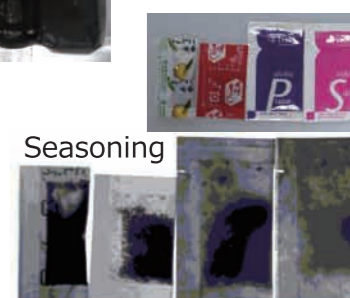
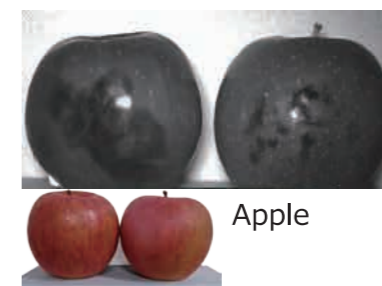
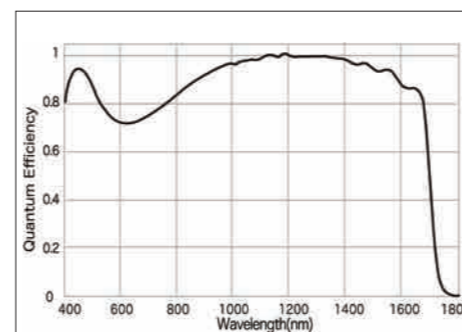
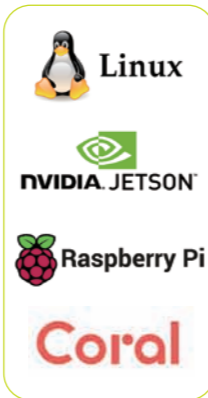
Quality Control Management of ARTRAY

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

SWIR Camera InGaAs

400~1700nm

Free SDK (Software Development Kit)



It is a camera equipped with SONY IMX992, IMX993, IMX990, IMX991 InGaAs sensor.

Pixels	Model Name	Sensor	Wavelength	Cooling function	Pixel Size	Image Size	Frame Rate	Interface	Exposure Time	Shutter	Lens Mount	Trigger	Dimensions (W×H×D)	Weight
NEW! 5.24MP 2560×2048	ARTCAM-992SWIR-TEC	SONY IMX992-AABA-C SenSWIR	400 ~ 1700nm	○	3.45 × 3.45 μm	8.83 × 7.06mm	64fps (8bit) 32fps (12bit)	USB3.0 VISION, GIG E VISION, CAMERA LINK	6.52 μs ~ 2s	Global	C-Mount	○	71.6 × 61.5 × 78mm	440g
	ARTCAM-992SWIR	SONY IMX992-AABJ-C SenSWIR		-									50.0 × 47.0 × 42.7mm	110g
NEW! 3.14MP 2048×1536	ARTCAM-993SWIR-TEC	SONY IMX993-AABA-C SenSWIR		○		7.06 × 5.29mm	94fps (8bit) 47fps (12bit)	USB3.0 VISION, GIG E VISION, CAMERA LINK					71.6 × 61.5 × 78mm	440g
	ARTCAM-993SWIR	SONY IMX993-AABJ-C SenSWIR		-									50.0 × 47.0 × 42.7mm	110g
1.31MP SXGA 1280×1024	ARTCAM-990SWIR-TEC	SONY IMX990-AABA-C SenSWIR		○		6.4 × 5.12mm	134fps (8bit) 72fps (12bit)	USB3.0 VISION, GIG E VISION, CAMERA LINK					71.6 × 61.5 × 78mm	440g
	ARTCAM-990SWIR	SONY IMX990-AABJ-C SenSWIR		-									50.0 × 47.0 × 42.7mm	110g
0.32MP VGA 640×512	ARTCAM-991SWIR-TEC	SONY IMX991-AABA-C SenSWIR		○	5 × 5 μm	3.2 × 2.56mm	USB3.0 VISION, GIG E VISION, CAMERA LINK	258fps (8bit) 137fps (12bit)	20.3 μs ~ 2s	Global	C-Mount	○	71.6 × 61.5 × 78mm	440g
	ARTCAM-991SWIR	SONY IMX991-AABJ-C SenSWIR		-									50.0 × 47.0 × 42.7mm	110g
	ARTCAM-991SWIR-WOM	SONY IMX991-AABJ-C SenSWIR		-				59fps (12bit)					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	Dimensions(W×H×D)	Weight
1280×1024	ARTCAM-130SWIR	sci	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	9.6×7.68mm	263fps	0.1ms ~ 123s		USB3.0	14bit		○	90.0×113×137mm	1200g
640×512	ARTCAM-131TNIR	CHUNGHWA LEADING PHOTONICS TECH	-	-	15×15μm	9.6×7.68mm		62fps	1μs ~ 1s	Global	USB3.0 Camera Link	14bit	C-Mount	○	71.6×61.5×43.5mm
	ARTCAM-032TNIR	HAMAMATSU	950 ~ 1700nm	-	20×20μm	12.8×10.24mm	27fps		5.4μs ~ 4.41s		USB2.0	12bit		○	71.6×61.5×125mm
320×256	ARTCAM-009TNIR	HAMAMATSU	950 ~ 1700nm	-	20×20μm	6.4×5.12mm	228fps	1μs ~ 1s	Global	USB3.0 Camera Link	14bit	C-Mount	○	71.6×61.5×58.5mm	272g
	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	
128×128	ARTCAM-0016TNIR-TEC	HAMAMATSU	950 ~ 1700nm	-10℃	20×20μm	2.56×2.56mm	258fps	1μs ~ 0.01s	Global	USB2.0	14bit	C-Mount	○	71.6×61.5×61.5mm	330g
	ARTCAM-0016TNIR	HAMAMATSU	-	-	20×20μm	2.56×2.56mm		○		71.6×61.5×61.5mm	280g				

Various types of board-level cameras are available!



UV Camera

8.1MP

ARTCAM-487UV

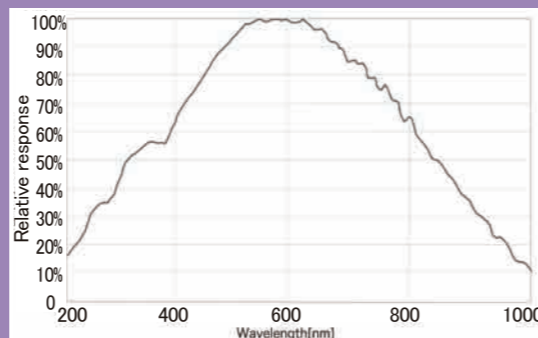
Sensor Type : **SONY** IMX487(Back Illuminated CMOS)
 Shutter Type : Global Shutter
 Resolution : 2848(H)×2848(V)
 Image Size(mm) : 7.82(H)×7.80(V)
 Interface : Camera Link · USB3.0
 Pixel Size(μm) : 2.74(H)×2.74(V)
 Frame Rate : 38fps
 Optical Format : 2/3inch
 A/D Converter : 12bit
 Exposure Time : 10μs ~ 2s
 Dimensions(mm) : 50.0(W)×47.0(H)×42.7(D)
 Weight(g) : 130



Free SDK
(Software Development Kit)

Pregius S

200~1000nm



4MP

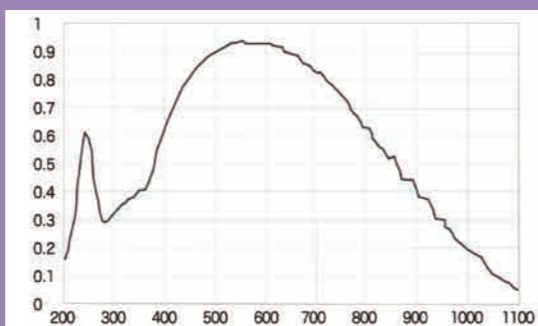
ARTCAM-2020UV

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 : 21.5fps
 Optical Format : 1inch
 A/D Converter : 12bit
 Exposure Time : 112μs ~ 2s
 Dimensions(mm) : 71.6(W)×61.5(H)×51.5(D)
 Weight(g) : 240



Free SDK
(Software Development Kit)

200~1100nm



1.3MP

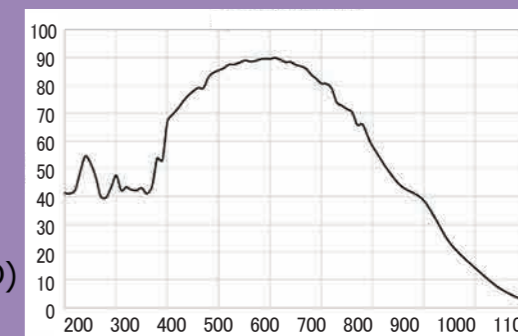
ARTCAM-9701UV

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
 Exposure Time : 37μs ~ 2s
 Dimensions(mm) : 50.0(W)×47.0(H)×42.7(D)
 Weight(g) : 110



Free SDK
(Software Development Kit)

200~1000nm



1.5MP

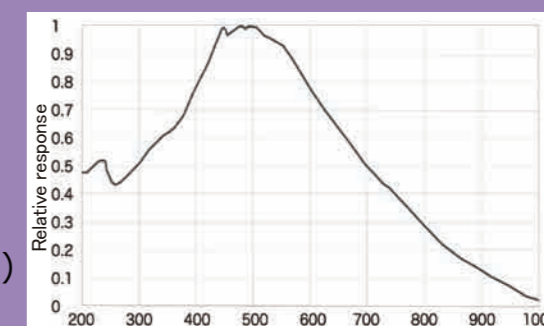
ARTCAM-407UV-WOM

Sensor Type : **SONY** 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

USB2.0

Free SDK
(Software Development Kit)

200~900nm



High Resolution UV Transmission

Focal Length	Image Format	Model Name	F No.	Mount
12mm	2/3"	UV120HR	F4	C
25mm	2/3"	UV250HR	F4	C
25mm	2/3"	UV2501A	F2.0-11	C

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
16mm	2/3"	UV1628CM	F2.8-16	C
25mm	1"	UV2528B	F2.8-16	C
35mm	φ22mm	UV3528BK	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.

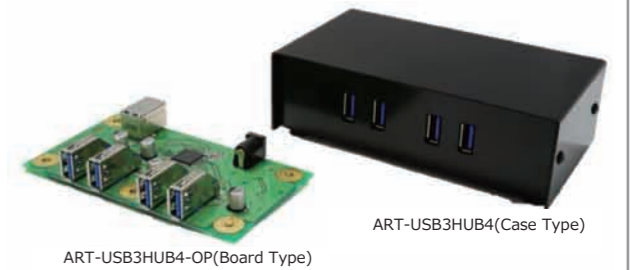
USB 3.0 CMOS Camera



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)



250MP

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-8020-USB3	250M		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	F-Mount / M58	1.2fps	1/60000~2	DC12V	90(W)×80(H)×43(D)

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		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		SONY STARVIS		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		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		SONY Pregius	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-250IMX-USB3-T2	5M			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			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)		C-Mount	13.9fps		1/10000~2.0	Supplied from USB Port	50(W)×47(H)×42.7(D)	
ARTCAM-500MI-USB3-T2		75fps												1/10000~3	50(W)×47(H)×42.7(D)
ARTCAM-252IMX-USB3-T2	3M														55.6fps
ARTCAM-265IMX-USB3-T2			SONY Pregius	Global	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		50(W)×47(H)×42.7(D)	
ARTCAM-174IMX-USB3-T2	2.3M														5.02(H)×3.75(V) 1/2.9"
ARTCAM-273IMX-USB3-T2	1.55M										50(W)×47(H)×42.7(D)				

EUV/Soft X-ray

Free SDK
(Software Development Kit)

Model Name	Pixels	Type EUV	Sensor Manufacturer	Sensor	Imaging Area	Effective Pixels	Diagonal Length of Imaging Area	Pixel Size(μm)	Main Detection Energy Range	Output bit value
ARTCAM400SX-USB3	4M		Gpixel	GSENSE400BSI-PS	22.5(H)×22.5(V)	2048(H)×2048(V)	31.8mm	11(H)×11(V)	80~1000eV	12bit

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

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

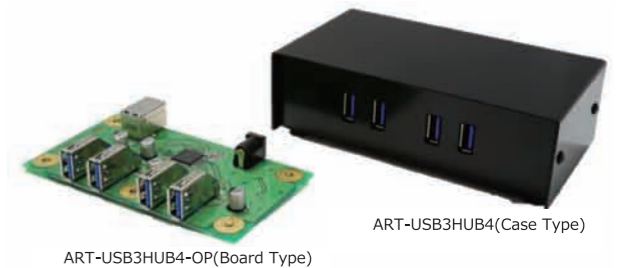
USB 2.0 CMOS Camera



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)



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

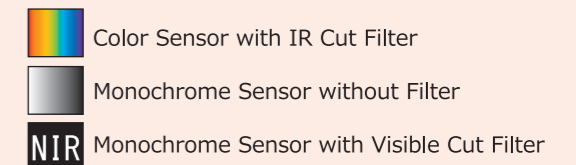
Model Name	Pixels	Type Color Mono NIR	Sensor Manufacturer	Shutter Type	Active Image Size(mm) Optical Format	Active Pixels Pixel Size(μm)	Sensitivity	Lens Mount	Frame Rate	Exposure Time(Sec)	Power Supply	Dimensions(mm)
ARTCAM-1400MI-WOM	14M	Color	ON Semiconductor	Rolling	6.14(H)×4.60(V) 1/2.3"	4608(H)×3288(V) 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		Color NIR	8.50(H)×7.09(V) 2/3"	2464(H)×2056(V) 3.45(H)×3.45(V)	1.14V(Sony Standard)	8fps	72.56μ~1.93		50(W)×47(H)×49.7(D)			
ARTCAM-265IMX-WOM	3M	Color NIR	Sony Pregius	Global	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		12fps	1/21941~1.49		50(W)×47(H)×49.7(D)
ARTCAM-300MI-WOM		Color			6.55(H)×4.92(V) 1/2"	2048(H)×1536(V) 3.2(H)×3.2(V)	1.0V/Lux-sec(550nm)			1/19688~0.832		
ARTCAM-130MI-BW-WOM	1.3M	Color NIR	ON Semiconductor	Rolling	6.66(H)×5.32(V) 1/2"	1280(H)×1024(V) 5.2(H)×5.2(V)	1.8V/Lux-sec(550nm)		30fps	1/35928~0.52		50(W)×47(H)×41.7(D)
ARTCAM-130HP-WOM	1.3M	Color 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 (USB Video Class) 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-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)

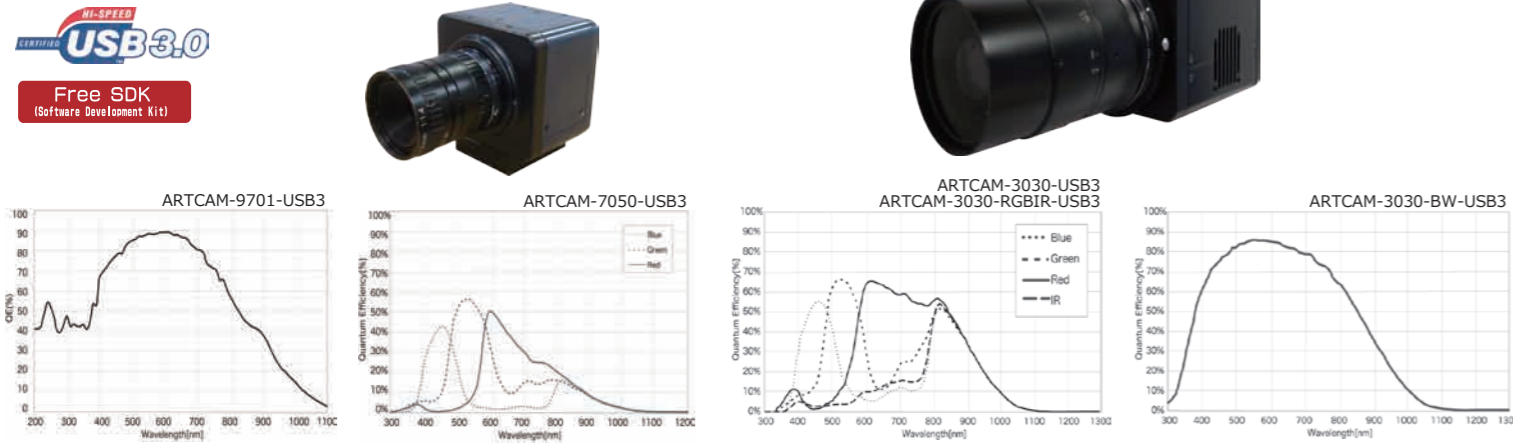
Sensor cover glass can be removed, replaced or mounted slantingly. Please contact us for more information.

- ※ARTCAM-1000MI-WOM black-and-white model and NIR model are made to order.
- ※For UVC compatible cameras, the board type is standard.



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.



Model Name	Pixels	Type	Sensor Manufacturer	Shutter Type	Active Image Size(mm) Optical Format	Active Pixels Pixel Size(μm)	Interface	Frame Rate
ARTCAM-9701-USB3	1.3M	Color	Gpixel GLUX9701BSI	Rolling Shutter	12.493(H)×9.994(V) 1inch	1280(H)×1024(V) 9.76(H)×9.76(V)	USB3.0	25fps
ARTCAM-7050-USB3	2M	Color	Canon LI7050SA	Rolling Shutter	7.94(H)×4.49(V) 1/1.8inch	1936(H)×1096(V) 4.1(H)×4.1(V)	USB3.0	60fps
ARTCAM-3030-USB3	2.7M	Color	Canon LI3030SA	Rolling Shutter	41.04(H)×24.32(V) 35mm Full size	2160(H)×1280(V) 19(H)×19(V)	USB3.0	98fps

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

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-L1024DNIR	HAMAMATSU	25 × 100μm	31446Hz			F-Mount	
512		ARTCAM-L1024DBTNIR		25 × 25μm	8150Hz			C-Mount	
256	950 ~ 1700nm	ARTCAM-L512TNIR	HAMAMATSU	25 × 25μm	8150Hz	USB3.0 Camera Link	14bit	C-Mount	○
		ARTCAM-L256TNIR		50 × 50μm	14000Hz			C-Mount	

RGB-IR Camera

Color and IR images both are possible to be captured. We applied a sensor in which IR pixels are arrayed on the color filter.

Model Name	Pixels	Sensor Manufacturer	Sensor	Type	Shutter Type	Active Pixels	Active Image Size (mm)	Optical Format	Interface	Pixel Size (μm)	Frame Rate	Dimensions(mm)
ARTCAM-5030-USB3	19M	Canon	LI5030SA	RGBIR	Global	5688(H)×3336(V)	36.40×21.35	35mm full size	USB3.0	6.4×6.4	20fps(8bit) 10fps(16bit)	90(W)×80(H)×43(D)
ARTCAM-5040-USB3	5.33M	Canon	LI5040SA	RGBIR	Global	2592(H)×2056(V)	8.81×6.99	2/3	USB3.0	3.4×3.4	74fps(8bit) 37fps(16bit)	71.6(W)×61.5(H)×78(D)

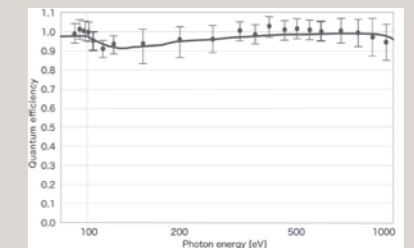
Filter array

R	G	R	G
IR	B	IR	B
R	G	R	G
IR	B	IR	B

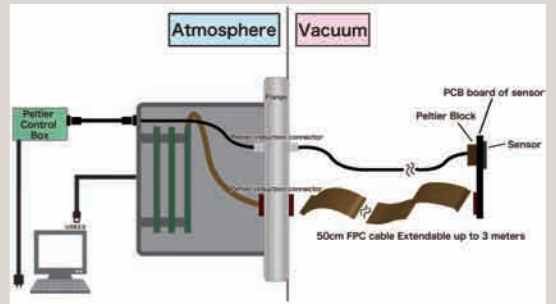
EUV/Soft X-ray Camera

Back-illuminated Vacuum-compatible Sensor Head-separated Type

- A back illuminated sCMOS camera is compatible with direct measurement of EUV and soft X rays.
- As it is a sensor-PCB separated type, it is easier for vacuum induction.
- sCMOS sensors with high sensitivity (quantum efficiency up to 90% or above at energy 80-1,000 eV) and low noise (1.6e-rms) applied.
- Connector for Peltier induction is equipped and compatible with vacuum cooling.



Sensor Effective Pixels : GSENSE400BSI - PS
Pixel Size : 2048(H) × 2048(V)
Imaging Area : 11(H) × 11(V) μm
Diagonal Length of Imaging Area : 22.5(H) × 22.5(V) mm
Main Detection Energy Range : 31.8 mm
Output bit value : 80 ~ 1,000eV
Interface : 12bit
: USB3.0



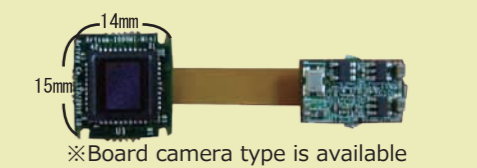
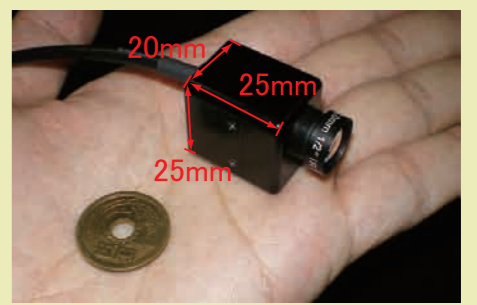
Mini Camera

10.0M ARTCAM-1000MINI

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.

Free SDK (Software Development Kit)



0.36M ARTCAM-022MINI

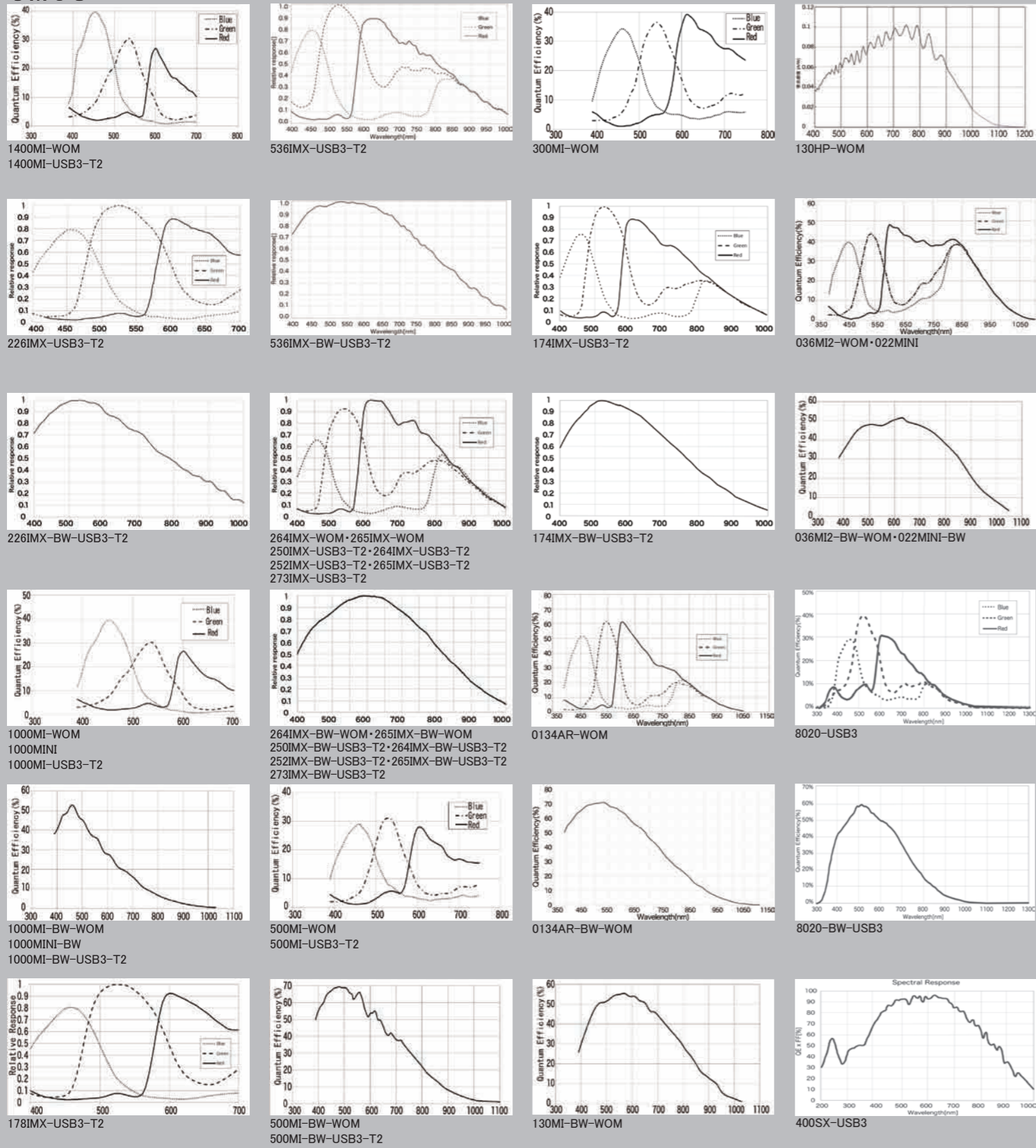


Sensor Type : CMOS(Color/Monochrome)
Interface : USB2.0
Sensor Manufacturer : ON Semiconductor
Shutter Type : Global Shutter
Optical Format : 1/3inch
Active Pixels : 640(H)×480(V)
Active Image Size(mm) : 4.51(H)×2.88(V)
Pixel Size(μm) : 6.0(H)×6.0(V)
Sensitivity : 4.8V/Lux-sec(550nm)
Dimensions(mm) : 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

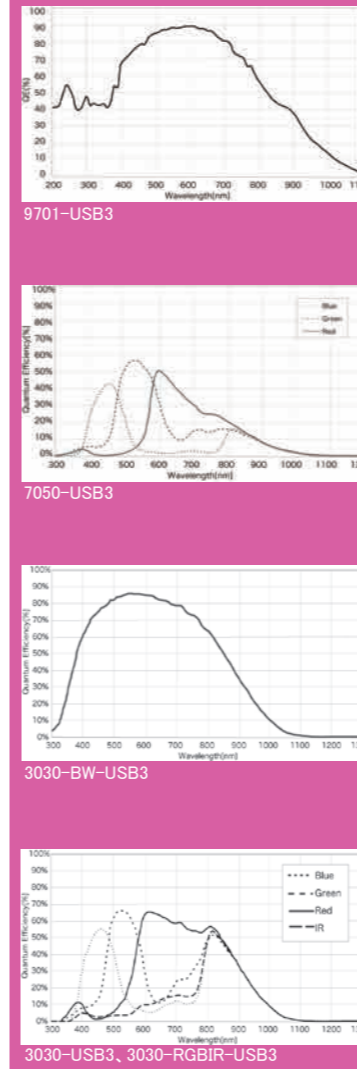
Free SDK (Software Development Kit)

Spectral Sensitivity Characteristics

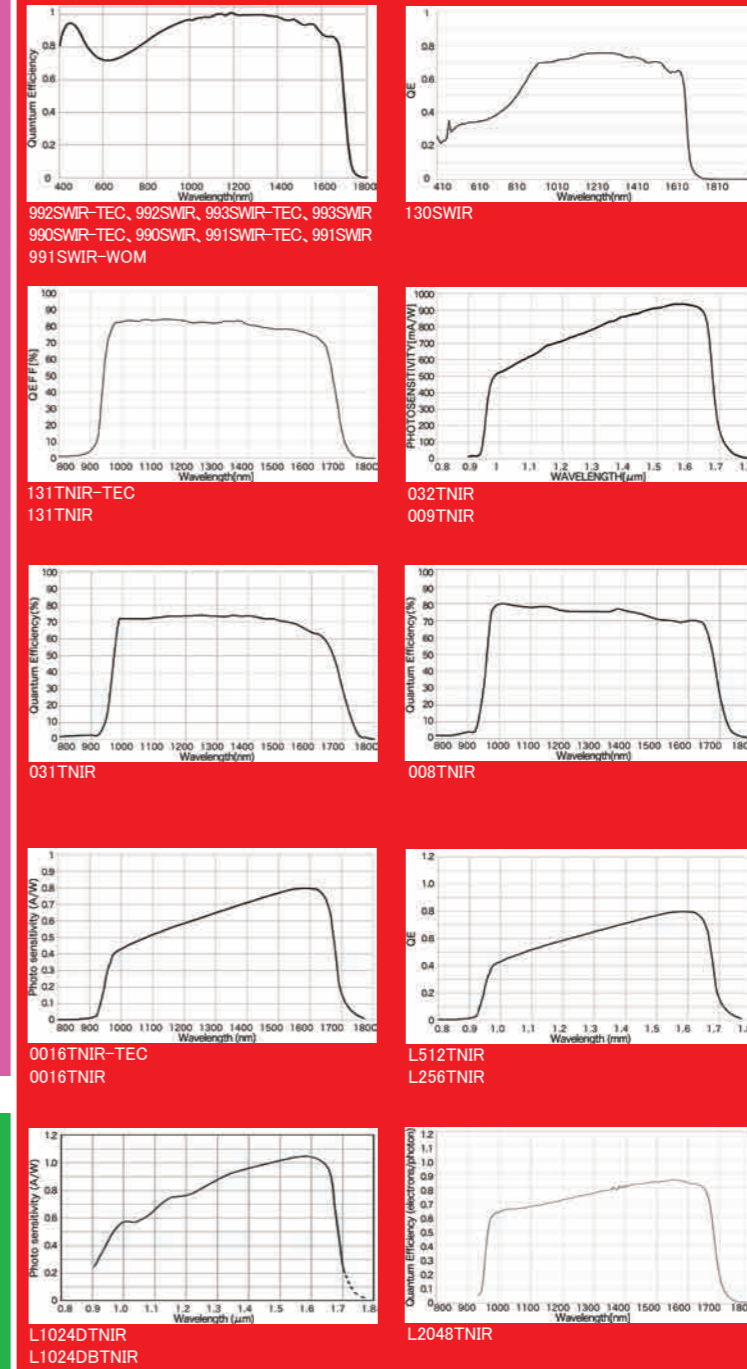
CMOS



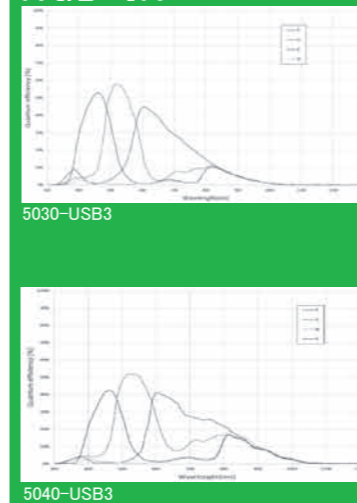
sCMOS



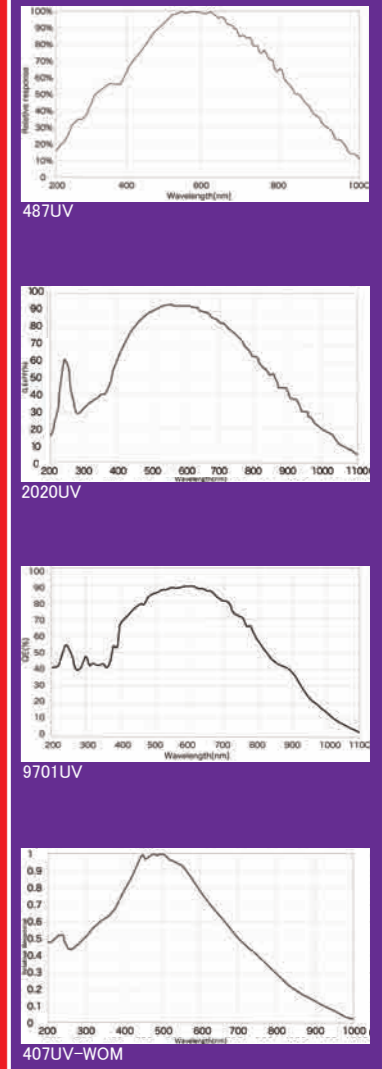
SWIR



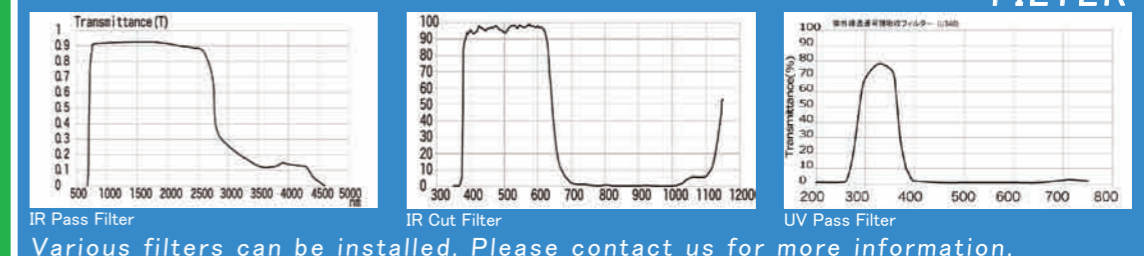
RGB-IR



UV



FILTER



Various filters can be installed. Please contact us for more information.