

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-9900SWIR-TEC	○	1.3M	SONY	6.4×5.12mm	1280×1024	5(H)×5(V)	72fps	20.3μs ~ 2s	Global	○	USB3.0 Camera Link
	ARTCAM-9900SWIR	-						30fps	0.1ms ~ 1s			
	ARTCAM-1305SWIR	-						137fps	20.3μs ~ 2s			
	ARTCAM-9915SWIR-TEC	○						59fps	0.1ms ~ 123s			
	ARTCAM-9915SWIR-WOM	-						263fps	7.33ms ~ 0.48s			
900 ~ 1700	ARTCAM-1311TNIR-TEC	○	0.32M	CHUNGHWA LEADING PHOTONICS TECH	9.68×7.68mm	640×512	15(H)×15(V)	62fps	1μs ~ 1s	○	USB3.0 Camera Link	
950 ~ 1700	ARTCAM-0321TNIR	-	0.08M	HAMAMATSU LEADING PHOTONICS TECH	12.8×10.24mm	320×256	20(H)×20(V)	27fps	5.4μs ~ 4.41s	○	USB2.0 Camera Link	
900 ~ 1700	ARTCAM-0311TNIR	-		CHUNGHWA LEADING PHOTONICS TECH	16.0×12.8mm		228fps	1μs ~ 1s				
950 ~ 1700	ARTCAM-0091TNIR	-		HAMAMATSU LEADING PHOTONICS TECH	6.4×5.12mm		90fps	38.9μs ~ 1.27s				
900 ~ 1700	ARTCAM-0081TNIR	-		CHUNGHWA LEADING PHOTONICS TECH	9.6×7.68mm		320fps	1ms ~ 3ms				
1000 ~ 2500	ARTCAM-2500SWIR	○		SUMITOMO ELECTRIC			1ms ~ 15ms					
1000 ~ 2350	ARTCAM-2350SWIR	○	0.016M	HAMAMATSU	2.56×2.56mm	128×128	20(H)×20(V)	258fps	1μs ~ 0.01s	○	USB2.0	
950 ~ 1700	ARTCAM-0016TNIR-TEC	○	0.016M	HAMAMATSU	2.56×2.56mm	128×128	20(H)×20(V)	258fps	1μs ~ 0.01s	○	USB2.0	
950 ~ 1700	ARTCAM-0016TNIR	-										

SWIR LENS

Manufacturer Name	Focal Length	Image Format	Model Name	F No.	Mount
computer VISIR APD	SWIR Transmission from 400 ~ 1700nm Apochromat type				
	8mm	1/1.4"	M0818-APVSW2	F1.8	C
	12mm	1/1.4"	M1218-APVSW2	F1.8	C
	16mm	1/1.4"	M1618-APVSW2	F1.8	C
	25mm	1/1.4"	M2518-APVSW2	F1.8	C
computer 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	
computer	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
	25mm	1"	VHF25M-MP SWIR	F1.4	C
SPALCOM LITH CAMERA	35mm	1"	VHF35M-MP SWIR	F1.4	C

Manufacturer Name	Focal Length	Image Format	Model Name	F No.	Mount
VS TECHNOLOGY PRECISE FIBER OPTICS	SWIR Transmission from 700 ~ 2000nm				
	6mm	1"	VS-0618H1-SWIR	F1.8	C
	8mm	1"	VS-0814H1-SWIR	F1.4	C
	12mm	1"	VS-1214H1-SWIR	F1.4	C
	16mm	1"	VS-1614H1-SWIR	F1.4	C
	25mm	1"	VS-2514H1-SWIR	F1.4	C
	35mm	1"	VS-3514H1-SWIR	F1.4	C
	50mm	1"	VS-5018H1-SWIR	F1.8	C
	SWIR Transmission from 450 ~ 2000nm Focus shift type				
	8mm	1"	LM8HC-VIS-SW	F1.8	C
Kowa	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	F2.5	C
	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	

ARTRAY CO., LTD.
ARTRAY

1-17-5 Koenjikota, Suginami-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



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

February 2023

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.

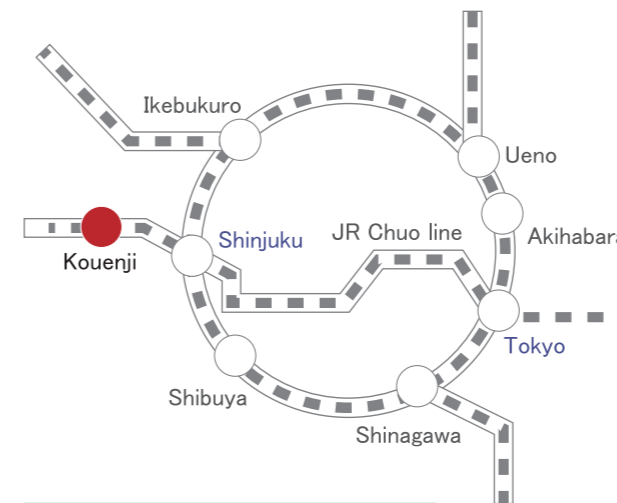
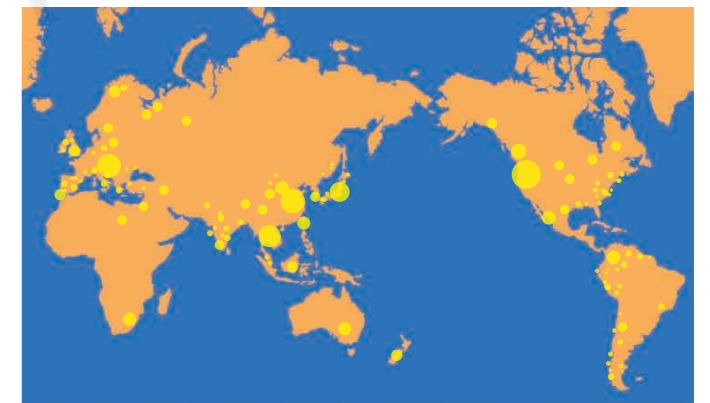
Our products take part in many exhibitions around the world and receive excellent feedbacks for their originality and handy applications.

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



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

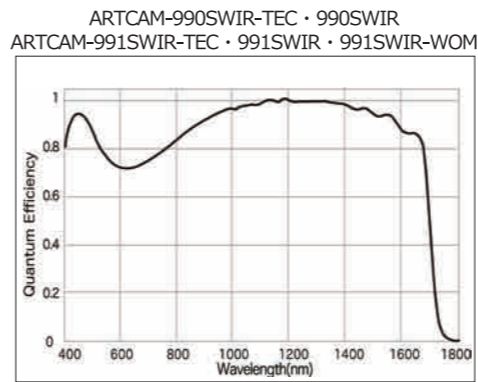
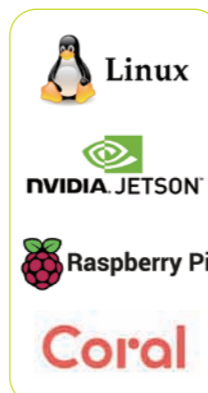
Free SDK
(Software Development Kit)

USB3.0

USB2.0

Camera Link

UVC



It is a camera equipped with SONY IMX990 and IMX991 InGaAs sensors.

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
1.3MP 1280×1024	ARTCAM-990SWIR-TEC	SONY IMX990-AABA-C SenSWIR	400 ~ 1700nm	10°C	5×5μm	6.4×5.12mm	72fps	USB3.0 Camera Link	20.3μs ~ 2s	Global	12bit	C-Mount	○	71.6×61.5×78mm	440g
	ARTCAM-990SWIR	SONY IMX990-AABJ-C SenSWIR		-				50.0×47.0×42.7mm						110g	
0.32MP 640×512	ARTCAM-991SWIR-TEC	SONY IMX991-AABA-C SenSWIR		10°C		3.2×2.56mm	137fps	USB3.0 Camera Link						71.6×61.5×78mm	440g
	ARTCAM-991SWIR	SONY IMX991-AABJ-C SenSWIR		-				50.0×47.0×42.7mm						110g	
0.32MP 640×512	ARTCAM-991SWIR-WOM	SONY 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	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°C	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	7.33ms ~ 0.48s	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	1μs ~ 1s		○		71.6×61.5×58.5mm	272g			
320×256	ARTCAM-031TNIR	CHUNGHWA LEADING PHOTONICS TECH	900 ~ 1700nm	-	25×25μm	16.0×12.8mm	27fps	5.4μs ~ 4.41s	Global	USB2.0	12bit	C-Mount	○	71.6×61.5×125mm	400g
	ARTCAM-009TNIR	HAMAMATSU	950 ~ 1700nm	-	20×20μm	6.4×5.12mm	228fps	1μs ~ 1s		USB3.0 Camera Link	14bit		○	71.6×61.5×58.5mm	272g
128×128	ARTCAM-008TNIR	CHUNGHWA LEADING PHOTONICS TECH	900 ~ 1700nm	-	30×30μm	9.6×7.68mm	90fps	38.9μs ~ 1.27s	Global	USB2.0	14bit	C-Mount	○	71.6×61.5×51.5mm	250g
	ARTCAM-0016TNIR-TEC	HAMAMATSU	950 ~ 1700nm	-10°C	20×20μm	2.56×2.56mm	258fps	1μs ~ 0.01s					○	71.6×61.5×61.5mm	330g
	ARTCAM-0016TNIR	HAMAMATSU	-	-	20×20μm	2.56×2.56mm								○	

Various types of board-level cameras are available!



UV Camera

8.1MP

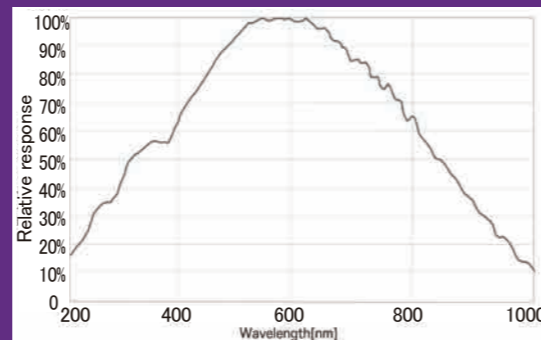
ARTCAM-487UV

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



Pregius S

200~1000nm



Free SDK (Software Development Kit)

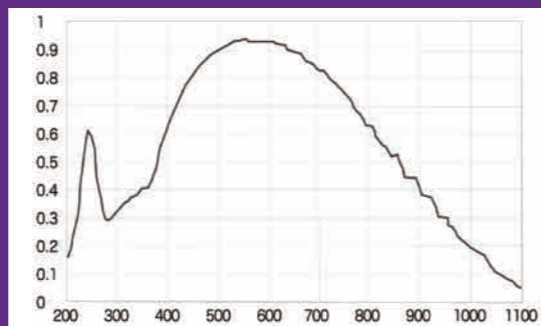
4MP

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 : 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



200~1100nm



Free SDK (Software Development Kit)

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

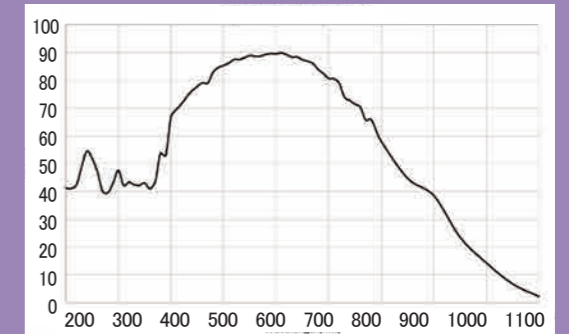
1.3MP

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



Free SDK (Software Development Kit)

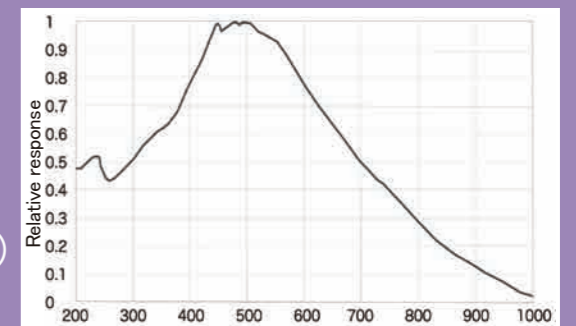
1.5MP

ARTCAM-407UV-WOM

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

USB2.0

200~900nm



Free SDK (Software Development Kit)

UV LENS

We recommend to use lens which is applicable to UV wavelength. Best performance of our products might not be achieved depends on the lens choices.

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

USB 3.0 Camera

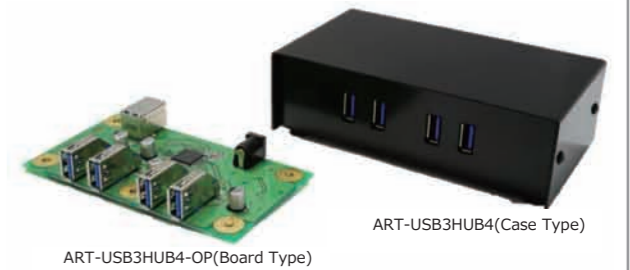
CMOS



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)



250MP Free SDK (Software Development Kit) Optional Items *2 Dimension measurement software

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

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	U-Mount(M42) F-Mount	3fps	1/60000~2	DC12V	80(W)×65(H)×70(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 5	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		SONY STARVIS	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		SONY Pregius	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									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)	36fps	1/10000~0.7	50(W)×47(H)×42.7(D)
ARTCAM-500MI-USB3-T2	3M		SONY Pregius	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-252IMX-USB3-T2									Rolling			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
ARTCAM-265IMX-USB3-T2									Rolling	5.02(H)×3.75(V) 1/2.9"		1456(H)×1088(V) 3.45(H)×3.45(V)	Mono : 915mV @1/30sec Color : 1146mV @1/30sec	218fps	1/10000~0.1	50(W)×47(H)×42.7(D)
ARTCAM-174IMX-USB3-T2	2.3M															
ARTCAM-273IMX-USB3-T2	1.55M															

Various types of board-level cameras are available!



Board-level Camera with C-mount



Board-level Camera with Case & without lens mount



Board-level Camera without lens mount

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

USB 2.0 Camera

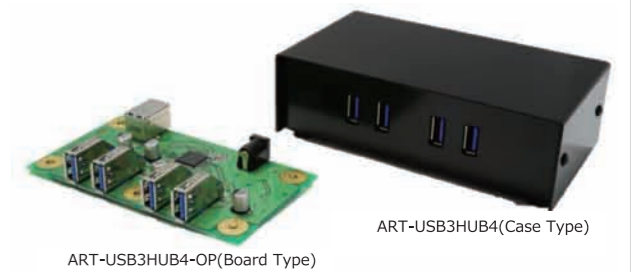
CMOS



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)



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)×41.7(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 1/19688~0.832		50(W)×47(H)×41.7(D) 50(W)×47(H)×41.7(D)
ARTCAM-300MI-WOM		Color			ON Semiconductor	Rolling						
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		Rolling	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
ARTCAM-036MI2-WOM	0.36M	Color NIR	ON Semiconductor		Rolling	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 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.

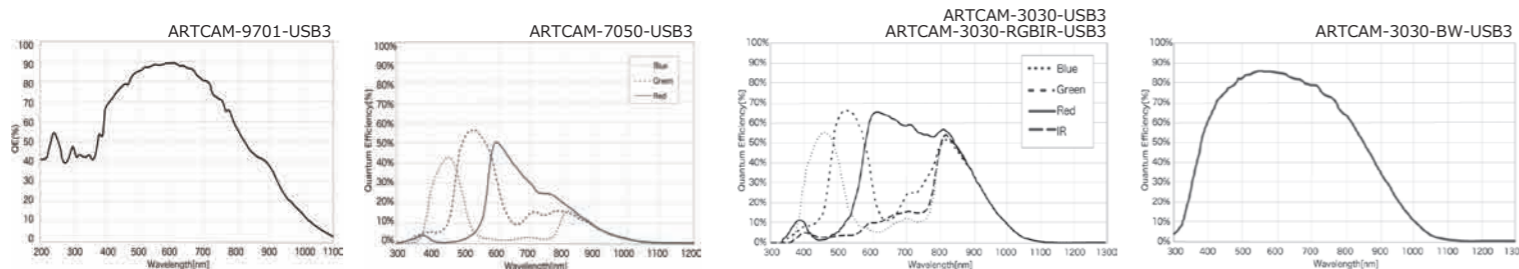
※ARTCAM-1000MI-WOM black-and-white model and NIR model are made to order.

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

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

sCMOS Camera

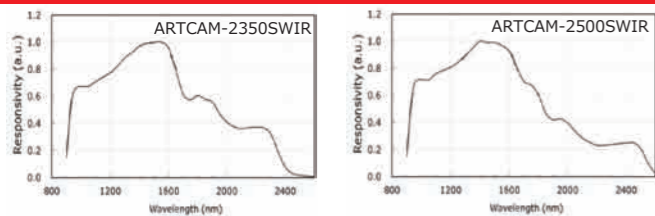
It is possible to acquire vivid images with high sensitivity even in a low-light environment. Due to the large pixel size, these cameras have high quantum efficiency and wide sensitivity characteristics while offering high frame rates.



Model Name	Pixels	Type	Sensor	Shutter	Active Image Size (mm)	Active Pixels	Interface	Frame Rate
ARTCAM-9701-USB3	1.3M	Color Mono	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/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

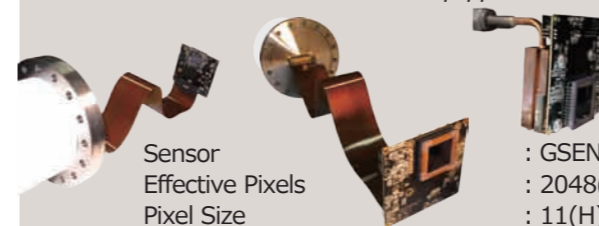
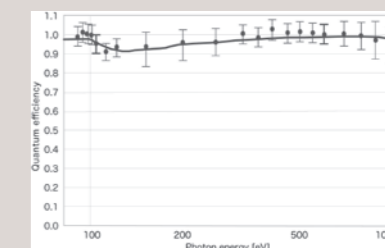


Resolution	Wavelength	Model Name	Sensor	Pixel Size	Line Rate	Interface	A/D Converter	Lens Mount	Trigger
2048	900 ~ 1700nm	ARTCAM-L2048TNIR	Xenics	12.5×12.5μm	10000Hz	USB3.0 Camera Link	14bit	C-Mount	○
1024		ARTCAM-L1024DTNIR	HAMAMATSU	25 × 100μm	31446Hz			F-Mount	
		ARTCAM-L1024DBTNIR		25 × 25μm				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

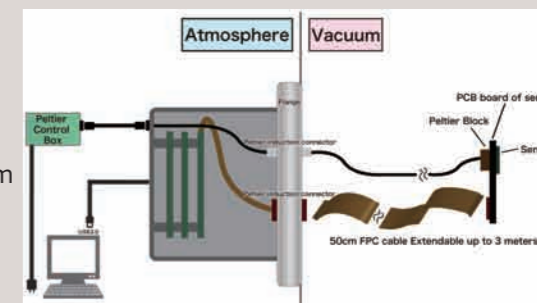
EUV/Soft X-ray Camera

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



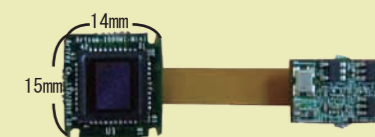
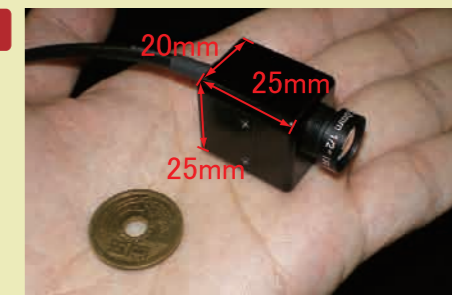
Mini Camera

10.0M ARTCAM-1000MINI



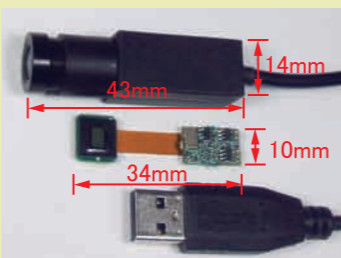
- Sensor Type : CMOS(Color)
- Interface : USB2.0
- Sensor Manufacturer : ON Semiconductor
- Shutter Type : Rolling Shutter
- Optical Format : 1/2.3inch
- Active Pixels : 3856(H)×2764(V)
- Active Image Size(mm) : 6.41(H)×4.59(V)
- Pixel Size(μm) : 1.67(H)×1.67(V)
- Sensitivity : 0.31V/Lux-sec(550nm)
- 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.



※Board camera type is available

0.36M ARTCAM-022MINI

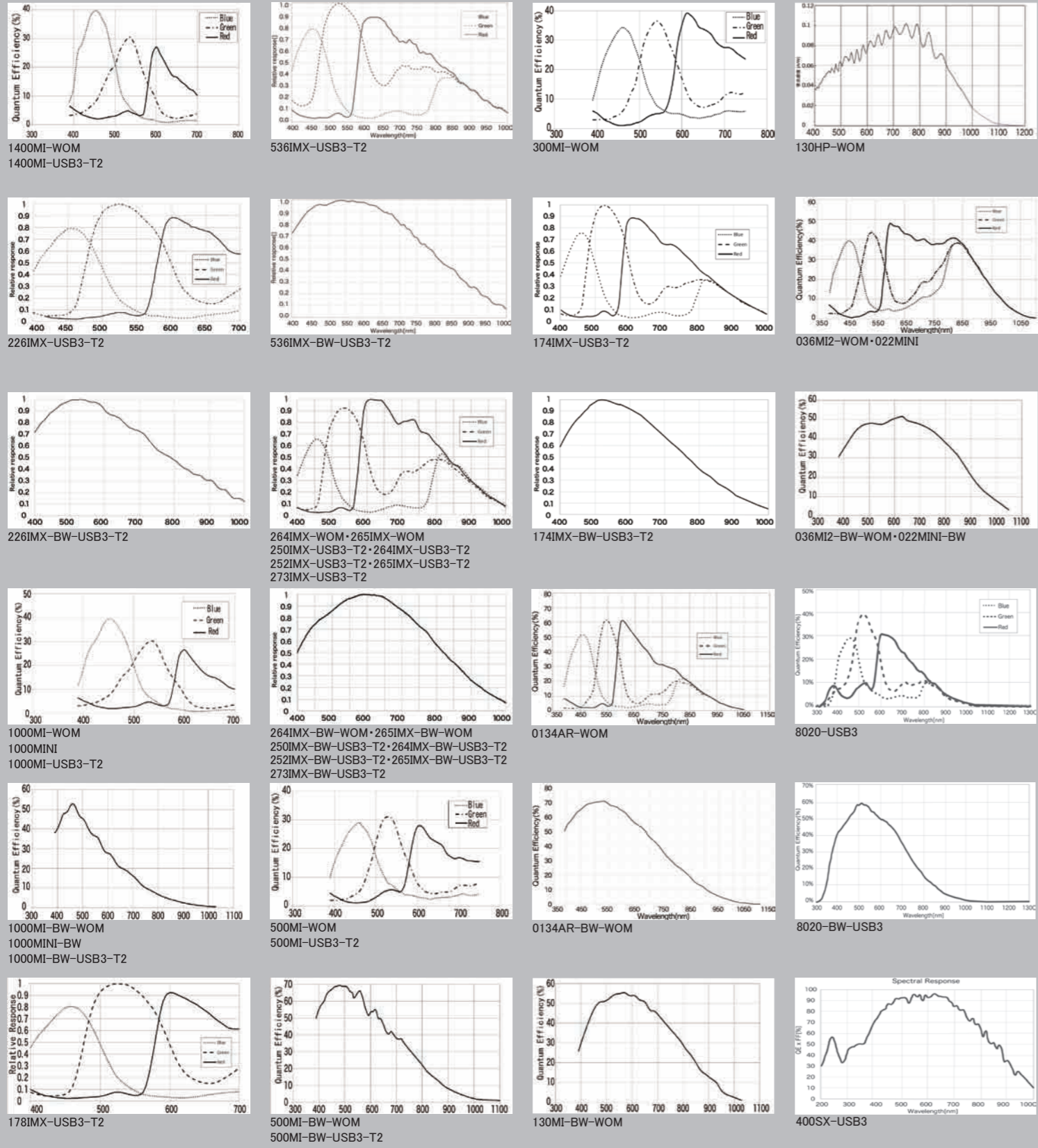


GLOBAL SHUTTER TYPE

- 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

Spectral Sensitivity Characteristics

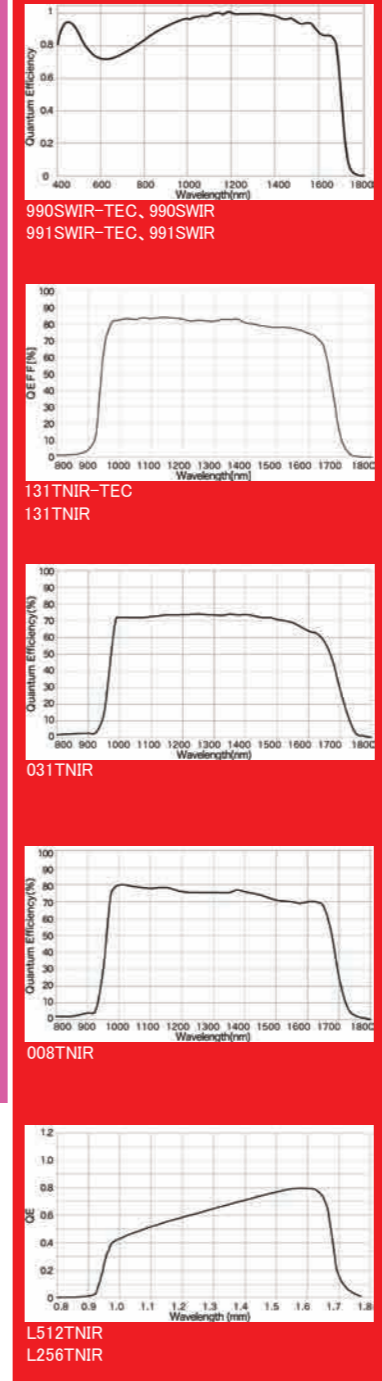
CMOS



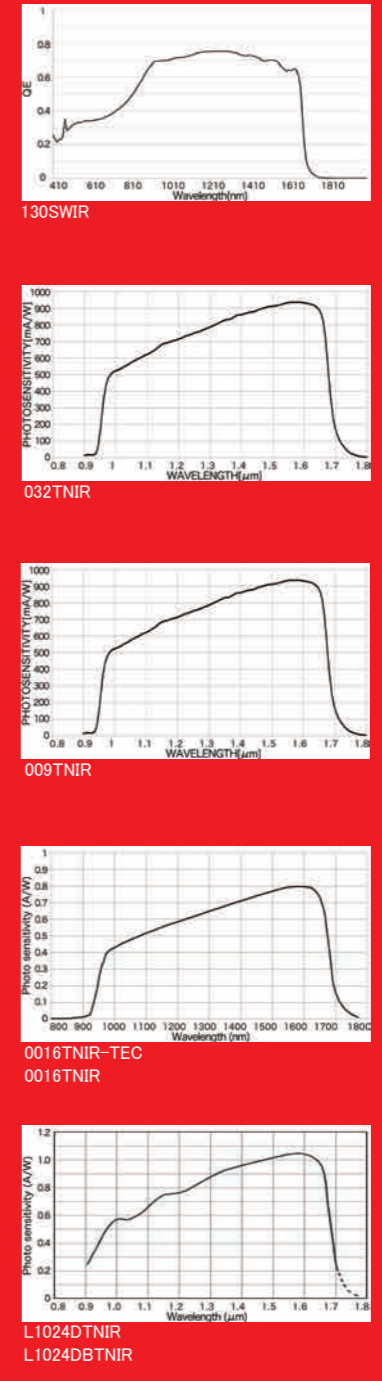
sCMOS



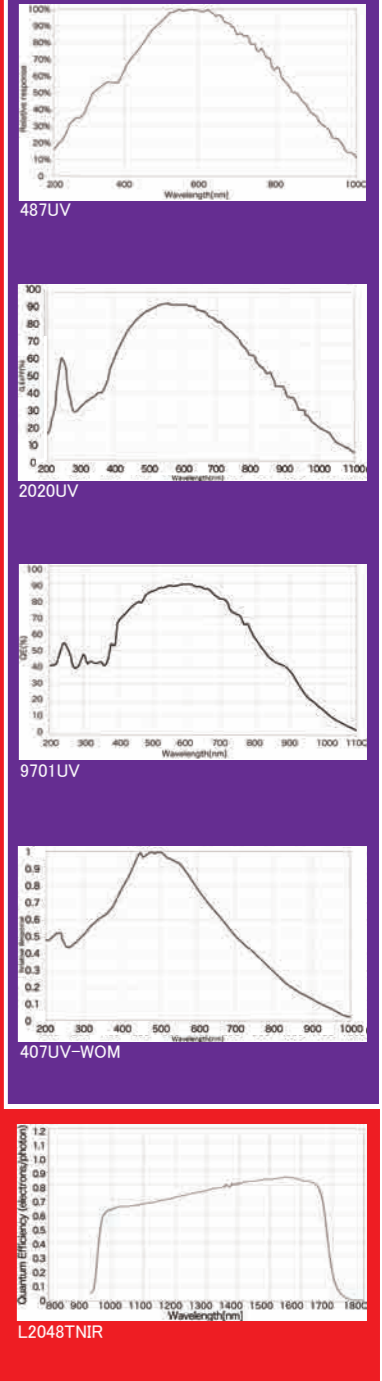
SWIR



130SWIR



UV



FILTER

