

InGaAs SENSOR										
Wavelength(nm)	Model Name	Pixels	Sensor Manufacturer	Interface	Frame Rate	Shutter Type	Optical Format	Active Pixels	Exposure Time(Sec)	
400 ~ 1700	ARTCAM-130SWIR	1.3M		USB3.0 Camera Link	30fps	Global	12.8×10.24mm	1280×1024	1/25706 ~ 1.27	
900 ~ 1700	ARTCAM-131TNIR-TEC	0.32M		USB3.0	263fps		9.68×7.68mm	640×512	15(H)×15(V)	1/10000 ~ 123
950 ~ 1700	ARTCAM-131TNIR			USB3.0 Camera Link	62fps		12.8×10.24mm		20(H)×20(V)	1/3000000 ~ 1
900 ~ 1700	ARTCAM-032TNIR			USB2.0	27fps		16.0×12.8mm		25(H)×25(V)	1/1833333 ~ 4.408
950 ~ 1700	ARTCAM-009TNIR			USB3.0 Camera Link	228fps		6.4×5.12mm	20(H)×20(V)	1/1000000 ~ 1	
900 ~ 1700	ARTCAM-008TNIR	0.08M		USB2.0	90fps		9.6×7.68mm	320×256	30(H)×30(V)	1/25706 ~ 1.27
950 ~ 1700	ARTCAM-0016TNIR-TEC	0.016M			258fps	2.56×2.56mm	128×128		20(H)×20(V)	1/1000000 ~ 0.013
	ARTCAM-0016TNIR									
InGaAs/GaAsSb SENSOR										
Wavelength(nm)	Model Name	Pixels	Sensor Manufacturer	Interface	Frame Rate	Shutter Type	Optical Format	Active Pixels	Exposure Time(Sec)	
1000 ~ 2500	ARTCAM-2500SWIR	0.08M		Camera Link	320fps	Global	9.6×7.68mm	320×256	9ms ~ 1ms	
1000 ~ 2350	ARTCAM-2350SWIR									
InGaAs LINE SENSOR										
Wavelength(nm)	Model Name	Pixels	Sensor Manufacturer	Interface	Frame Rate	Shutter Type	Optical Format	Active Pixels	Exposure Time(Sec)	
900 ~ 1700	ARTCAM-L2048TNIR	2048		USB3.0 Camera Link	10000Hz	Global	25.6mm × 0.0125µm	2048×1	26.8 ~ 65000µ	
	ARTCAM-L1024DBTNIR	1024			31446Hz		25.6mm × 25µm	1024×1		
	ARTCAM-L1024DTNIR	512			8150Hz		25.6 × 0.1 mm	512×1		
950 ~ 1700	ARTCAM-L512TNIR	256			14000Hz		12.8 × 0.025mm	256×1	17.8 ~ 1007.8µ	
	ARTCAM-L256TNIR						12.8 × 0.050mm			
SWIR LENS										
Manufacturer Name	Focal Length	Image Format	Model Name	F No.	Mount					
	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					
	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					
	35mm	1"	VHF35M-MP SWIR	F1.4	C					
	SWIR Transmission from 700 ~ 2500nm									
	25mm	3/4"	SR2534-A01	F1.3	C					
	25mm	1"	AR2343-A01	F1.4	C					
	50mm	4/3"	SR2594-A01	F1.3	C					
	200mm	4/3"	SR0577-A01	F1.6	M42×1mm					
	SWIR Transmission from 550 ~ 1700nm									
	12.5mm	1"	AVILL 12.5 mm VIS-SWIR	F1.8	C					
	SWIR Transmission from 900 ~ 2500nm									
	25mm	2/3"	Infra-SW252.5-30	F2.5	C					
	35mm	2/3"	Infra-SW352.0-30	F2.0	C					
	50mm	2/3"	Infra-SW502.0-30	F2.0	C					



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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

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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.

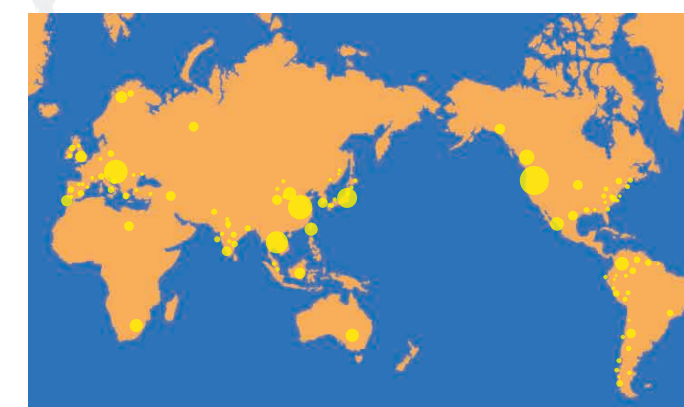
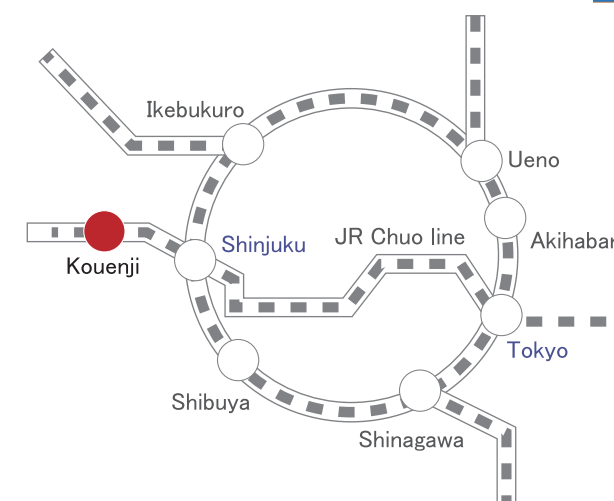
Our products take part in many exhibitions around the world and receive excellent feedbacks for their originality and handy applications.

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



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

WOM (With on-board memory) Series

WOM Series Cameras support 100% Bulk Transfer.
Cameras are equipped with on board memory which avoid data missing during transfer.
WOM Series Cameras offer higher frame rates than regular products.

CMOS



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

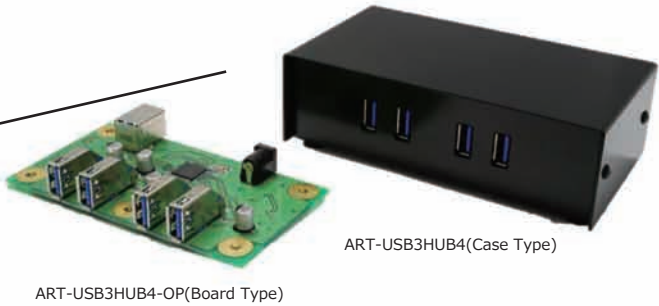
Other Models
Dimensions(mm): 50(W)×47(H)×41.7(D)
Weight(g): 110



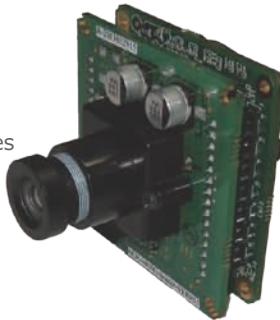
Industrial USB hub

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)



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

Color Mono NIR	Model Name	Sensor Type	Pixels	Sensor Manufacturer	Interface	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	CMOS	14M	ON Semiconductor	USB2.0	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
  NIR	ARTCAM-1000MI-WOM		10M				1/2.3"	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	
  NIR	ARTCAM-500MI-WOM		5M				1/2.5"	2592(H)×1944(V)	5.70(H)×4.28(V)	2.2(H)×2.2(V)		1.4V/Lux-sec(550nm)		7.1fps	1/53452~1.196	
  NIR	ARTCAM-264IMX-WOM		5M	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	
  NIR	ARTCAM-265IMX-WOM		3M				1/1.8"	2048(H)×1536(V)	7.12(H)×5.32(V)	3.45(H)×3.45(V)		Mono 1146mV @1/30sec Color 915mV @1/30sec		12fps	1/21941~1.49	
	ARTCAM-300MI-WOM		ON Semiconductor	1.3M		Rolling	1/2"	2048(H)×1536(V)	6.55(H)×4.92(V)	3.2(H)×3.2(V)	-	1.0V/Lux-sec(550nm)		12fps	1/19688~0.832	
 NIR	ARTCAM-130MI-BW-WOM						1/2"	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	
  NIR	ARTCAM-130XQE-WOM		SiOnyx	1"			1280(H)×1024(V)	12.8(H)×10.2(V)	10(H)×10(V)	RGB	40V/Lux-sec	28.5fps		1/31847~1.029		
  NIR	ARTCAM-092XQE-WOM			0.92M			1/2"	1280(H)×720(V)	7.17(H)×4.03(V)		5.6(H)×5.6(V)	14.99V/Lux-sec		40fps	1/33898 ~ 0.967	
 NIR	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	
  NIR	ARTCAM-0134AR-WOM		ON Semiconductor	1.2M			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	
  NIR	ARTCAM-036MI2-WOM			0.36M			1/3"	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	

UVC (Board Camera)



ARTCAM-0134ARMINI-UVC



ARTCAM-800SN
ARTCAM-0134ARSS-UVC

Free SDK
(Software Development Kit)

Optional Items

- 2 Dimension measurement software
- Recording software

 Color Sensor with IR Cut Filter

 Monochrome Sensor without Filter

 Monochrome Sensor with Visible Cut Filter

Color Mono NIR	Model Name	Sensor Type	Pixels	Sensor Manufacturer	Interface	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	CMOS	8M	Sony	USB2.0	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		1.2M				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	

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

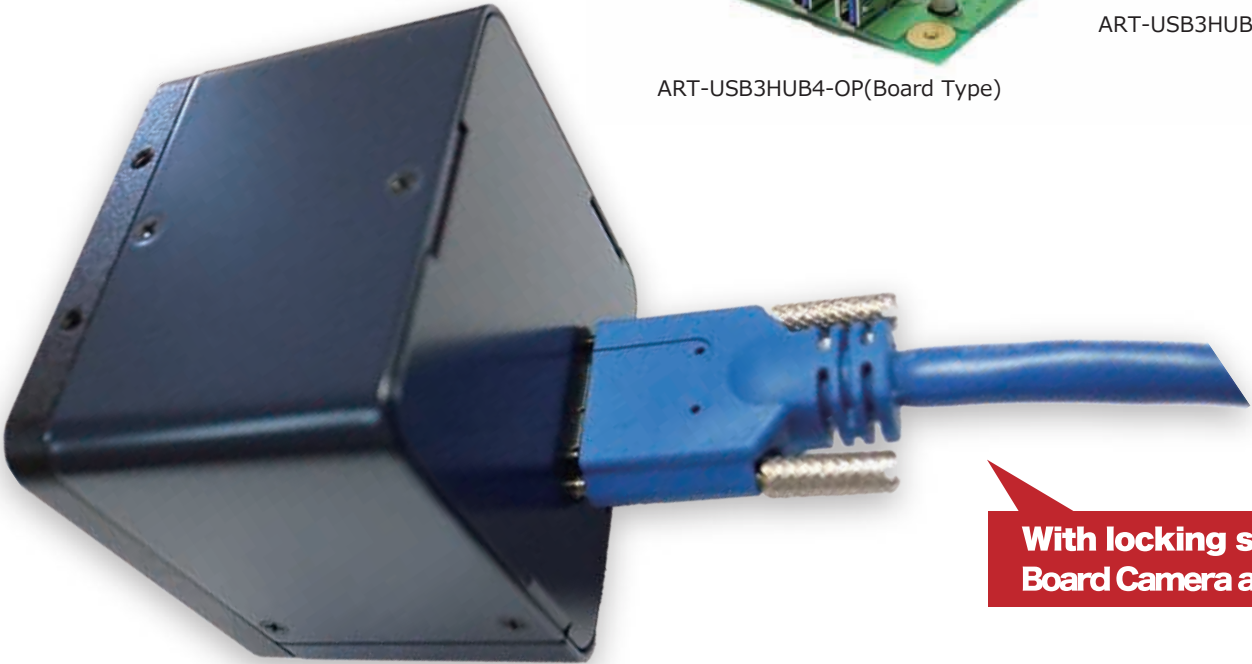
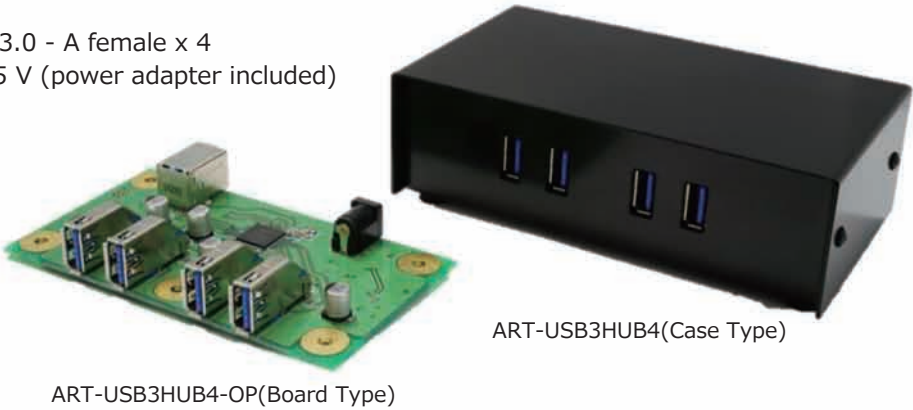
178IMX-USB3-T2, 174IMX-USB3-T2
Dimensions(mm): 71.6(W)×61.5(H)×43(D)
Weight(g): 200

226IMX-USB3-T2, 252IMX-USB3-T2, 265IMX-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)



With locking screws!
Board Camera available

Color Mono NIR	Model Name	Sensor Type	Pixels	Sensor Manufacturer	Interface	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	CMOS	14M	ON Semiconductor	USB3.0	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
 NIR	ARTCAM-226IMX-USB3-T2		12M	Sony			1/1.7"	4072(H)×3046(V)	7.53(H)×5.63(V)	1.85H)×1.85(V)		Mono 250mV(TBD) @1/30sec Color 280mV @1/30sec		27.9fps	1/10000~0.0352	
 NIR	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	
 NIR	ARTCAM-500MI-USB3-T2		5M				1/2.5"	2592(H)×1944(V)	5.70(H)×4.28(V)	2.2(H)×2.2(V)		1.4V/Lux-sec(550nm)		13.9fps		
	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		
 NIR	ARTCAM-252IMX-USB3-T2		3M			Global	1/1.8"	2064(H)×1554(V)	7.12(H)×5.32(V)	3.45(H)×3.45(V)		Mono 1146mV @1/30sec Color 915mV @1/30sec		75fps	1/118650~3	
 NIR	ARTCAM-265IMX-USB3-T2													55.6fps	1/10000~3	
 NIR	ARTCAM-174IMX-USB3-T2		2.3M											1/1.2"	1920(H)×1200(V)	

Free SDK
(Software Development Kit)

Optional Items

- 2 Dimension measurement software
- Recording software

 Color Sensor with IR Cut Filter

 Monochrome Sensor without Filter

 Monochrome Sensor with Visible Cut Filter

UV Camera

UV sensor equipped sensitivity of ultraviolet. The area of visible light is hardly recognized based on its combination with UV lighting equipment and it easily reflects blur, stain and scratch on the surface of objects.

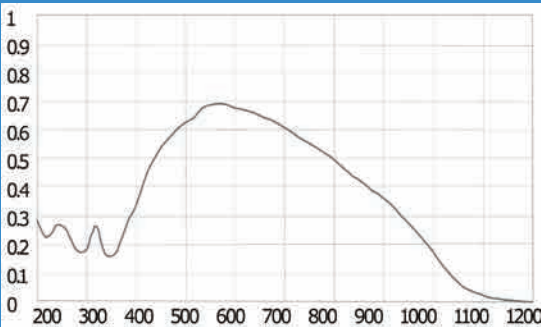
Please use lens ideally applicable to UV areas.
Depending on lens you use, our product might not reach the best condition.

Free SDK
(Software Development Kit)

1.3MP **USB2.0** 200~1000nm

ARTCAM-130UV-WOM

- 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



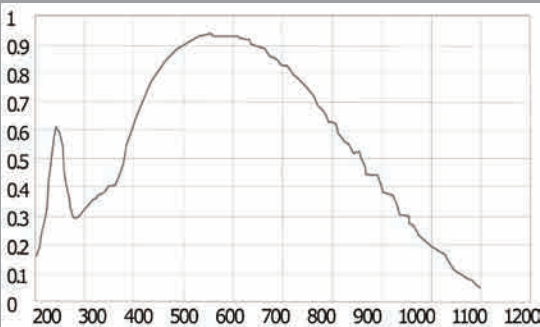
UV LENS

UV Transmission from 230nm ~ Visible light				
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

4MP **USB3.0** **CAMERA Link** 200~1050nm

ARTCAM-2020UV

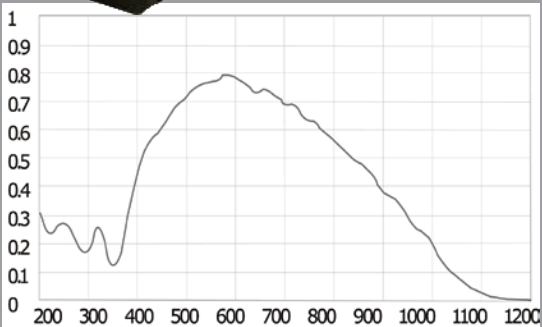
- Sensor Type : CMOS
- Shutter Type : Rolling Shutter
- Resolution : 2048(H)×2048(V)
- Image Size(mm) : 13.3(H)×13.3(V)
- Interface : Camera Link · USB3.0
- Pixel Size(μm) : 6.5(H)×6.5(V)
- Frame Rate : 30fps
- Optical Format : 1inch
- A/D Converter : 12bit
- Exposure Time(Sec) : 56μ~ 1
- Dimensions(mm)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



200~1000nm 0.92MP **USB2.0**

ARTCAM-092UV-WOM

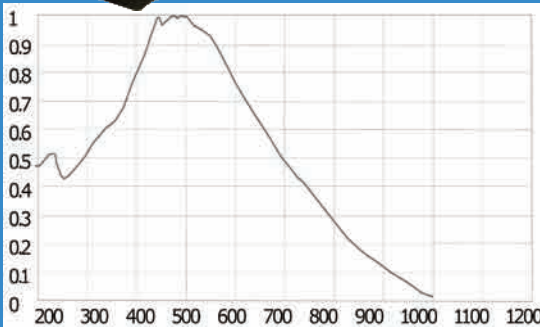
- Sensor Type : CMOS
- Shutter Type : Rolling Shutter
- Resolution : 1280(H)×720(V)
- Image Size(mm) : 7.17(H)×4.03(V)
- Interface : USB2.0
- Pixel Size(μm) : 5.6(H)×5.6(V)
- Frame Rate : 40fps
- Optical Format : 1/2inch
- A/D Converter : 12bit
- Exposure Time(Sec) : 1/33898 ~ 0.967
- Dimensions(mm) : 50(W)×47(H)×41.7(D)
- Weight(g) : 110



200~900nm 1.5MP **USB2.0**

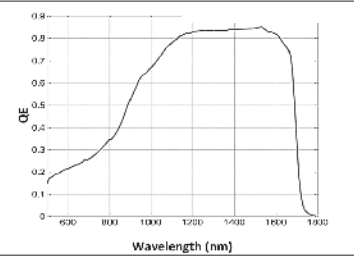
ARTCAM-407UV-WOM

- 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(Sec) : 1/58824 ~ 1/12.5
- Dimensions(mm) : 50(W)×47(H)×49.7(D)
- Weight(g) : 120



InGaAs Camera

- * Free software for camera control
- * Free SDK for Windows XP/Vista/7/8/10
- * SWIR Lens : f=6mm f=8mm f=12mm f=16mm
f=25mm f=35mm f=50mm f=75mm

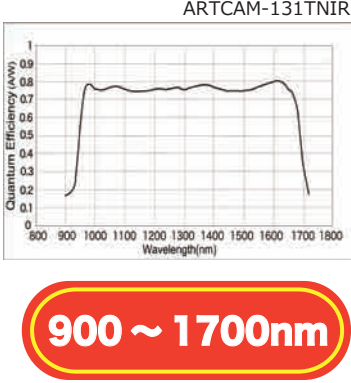
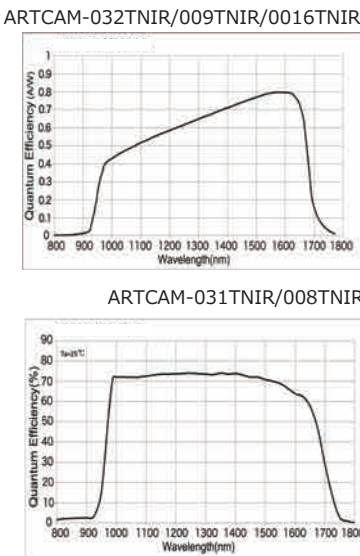
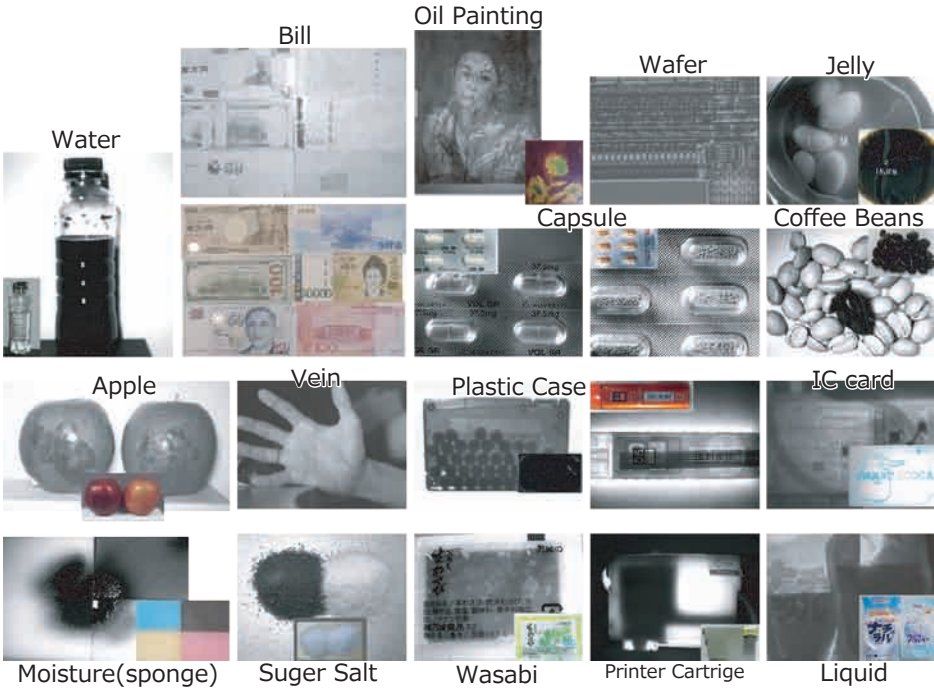


400 ~ 1700nm
VIS ~ SWIR
1.3MP



ARTCAM-130SWIR

- USB3.0
- USB2.0
- Camera Link
- Ethernet
- ANALOG
NTSC/PAL

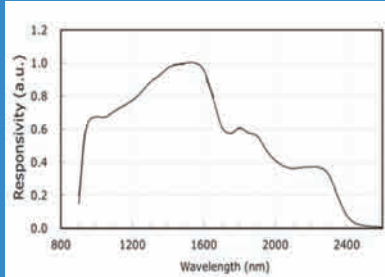


SXGA 1.3MP	Model Name	Sensor	Wavelength(nm)	Resolution	Frame Rate	Image Size(mm)	Pixel Size(μm)	Shutter	Exposure Time(Sec)	Interface	A/D Converter	Lens Mount	Trigger	Analog Output	Dimensions(mm)	Weight(g)
	ARTCAM-130SWIR		400 ~ 1700	1280(H)×1024(V)	30fps	12.8(H)×10.24(V)	10(H)×10(V)	Global	1/25706 ~ 1.27	USB3.0 Camera Link	13bit	C-Mount	✓		71.6(W)×61.5(H)×59.0(L)	360 g
VGA 640×512	Model Name	Sensor	Wavelength(nm)	Resolution	Frame Rate	Image Size(mm)	Pixel Size(μm)	Shutter	Exposure Time(Sec)	Interface	A/D Converter	Lens Mount	Trigger	Analog Output	Dimensions(mm)	Weight(g)
	ARTCAM-131TNIR-TEC Cooling Type -30℃		900 ~ 1700	640(H)×512(V)	263fps	9.68(H)×7.68(V)	15(H)×15(V)	Global	1/10000 ~ 123	USB3.0	14bit	C-Mount	✓	✓	90(W)×113(H)×137(L)	1200 g
	ARTCAM-131TNIR				1/136 ~ 0.48	✓	✓		71.6(W)×61.5(H)×43.5(L)				220 g			
	ARTCAM-032TNIR		950 ~ 1700		62fps	12.8(H)×10.24(V)	20(H)×20(V)		1/1000000 ~ 1	USB3.0 Camera Link	✓		✓	71.5(W)×61.5(H)×67(L)	272 g	
	ARTCAM-031TNIR		900 ~ 1700		27fps	16.0(H)×12.8(V)	25(H)×25(V)		1/1833333 ~ 4.408	USB2.0	12bit		✓		71.5(W)×61.5(H)×125(L)	400 g
QVGA 320×256	Model Name	Sensor	Wavelength(nm)	Resolution	Frame Rate	Image Size(mm)	Pixel Size(μm)		Shutter	Exposure Time(Sec)	Interface	A/D Converter	Lens Mount	Trigger	Analog Output	Dimensions(mm)
	ARTCAM-009TNIR		950 ~ 1700	320(H)×256(V)	228fps	6.4(H)×5.12(V)	20(H)×20(V)	Global	1/1000000 ~ 1	USB3.0 Camera Link	14bit	C-Mount	✓	✓	71.5(W)×61.5(H)×67(L)	272 g
	ARTCAM-008TNIR		900 ~ 1700		90fps	9.6(H)×7.68(V)	30(H)×30(V)		1/25706 ~ 1.27	USB2.0			✓		71.5(W)×61.5(H)×51.5(L)	250 g
128×128	Model Name	Sensor	Wavelength(nm)	Resolution	Frame Rate	Image Size(mm)	Pixel Size(μm)	Shutter	Exposure Time(Sec)	Interface	A/D Converter	Lens Mount	Trigger	Analog Output	Dimensions(mm)	Weight(g)
	ARTCAM-0016TNIR-TEC Cooling Type -10℃		950 ~ 1700	128(H)×128(V)	258fps	2.56(H)×2.56(V)	20(H)×20(V)	Global	1/1000000 ~ 0.013	USB2.0	14bit	C-Mount	✓		71.5(W)×61.5(H)×61.5(L)	330 g
	ARTCAM-0016TNIR															280 g

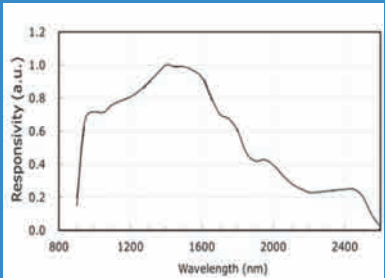
Sensor manufactured by SUMITOMO ELECTRIC
InGaAs/GaAsSb Camera



1000 ~ 2500nm



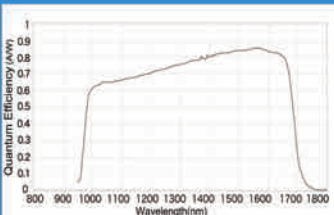
ARTCAM-2350SWIR



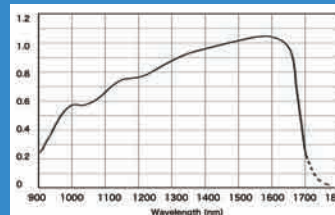
ARTCAM-2500SWIR

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)	90(W)×170(H)×110(L)	Approx. 2500
ARTCAM-2500SWIR	1000 ~ 2500									

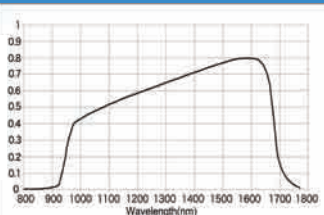
Model Name	Resolution	Wavelength(nm)	Pixel Size(μm)	Line Rate	A/D Converter	Lens Mount	Trigger
ARTCAM-L2048TNIR	2048	900 ~ 1700	12.5(H)×12.5(V)	10000Hz	14bit	C-mount	✔
ARTCAM-L1024DTNIR	1024		25(H) × 100(V)	31446Hz		F-Mount	
ARTCAM-L1024DBTNIR			25(H) × 25(V)				
ARTCAM-L512TNIR	512	950 ~ 1700	25(H)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



ARTCAM-L2048TNIR



ARTCAM-L1024DTNIR/ARTCAM-L1024DBTNIR



ARTCAM-L512TNIR/ARTCAM-L256TNIR

900 ~ 1700nm



Sensor manufactured by HAMAMATSU

InGaAs Line Scan Camera



USB3.0

WAVELENGTH FROM 400nm TO 1100nm

NIR COMS CAMERA

400 ~ 1100nm

· Wavelength Up to 1200nm

· Inspection of EL Actively

· Compared with InGaAs, Low Cost

· The Effect of Moonlight on Observation

APPLICATIONS

· Microscope

· Laser Inspection

· Analyzing Quality of Agricultural Products

· Semiconductor Inspection

· Inspection of Sunlight Panel EL

Electro Luminescence

VISIBLE CAMERA

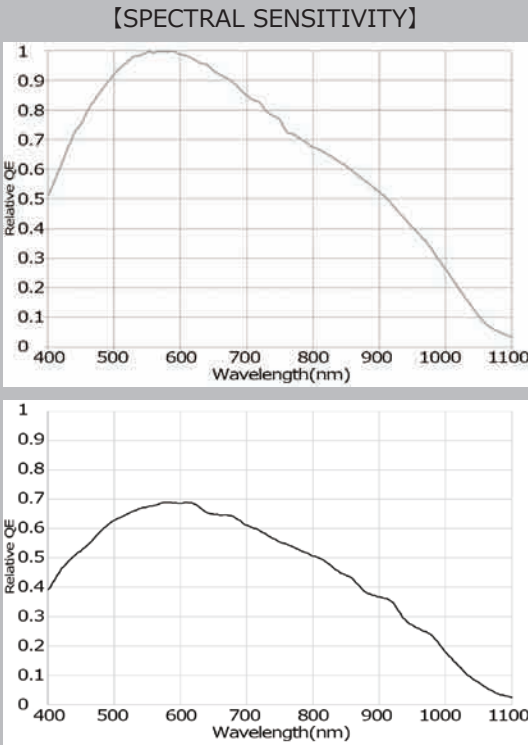
NIR CAMERA



SPECIFICATIONS

Model Name	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 ~ 1200
Shutter Type	Rolling Shutter
Frame Rate	28fps
Interface	USB2.0

Model Name	ARTCAM-092XQE-WOM
Pixels	0.92Mega Pixels
Active Pixels	1280(H)×720(V)
Pixel Size(μm)	5.6(H)×5.6(V)
Optical Format	1/2inch
Wavelength(nm)	400 ~ 1200
Shutter Type	Rolling Shutter
Frame Rate	40fps
Interface	USB2.0

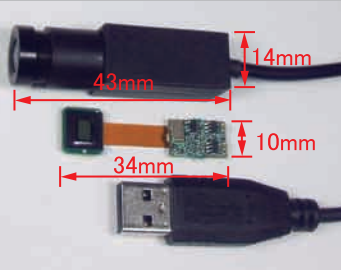
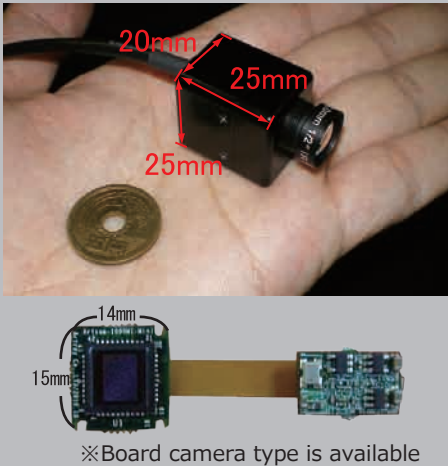


Mini Camera

10.0M **USB2.0** **COLOR CMOS** **MONO CMOS** **DIRECT X COMPATIBLE** **ROI** **Board Camera**

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 **USB2.0** **COLOR CMOS** **MONO CMOS** **DIRECT X COMPATIBLE** **ROI** **Board Camera**

ARTCAM-022MINI

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

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)

2.1M

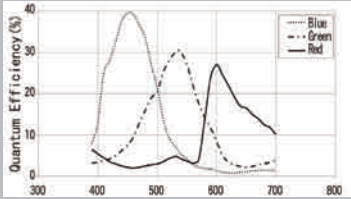
ARTCAM-130XQE-HD3

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)

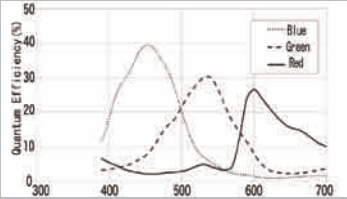


Spectral Sensitivity Characteristics

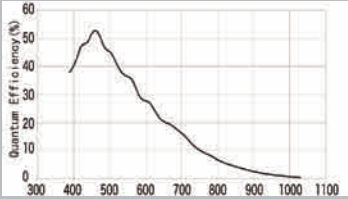
CMOS



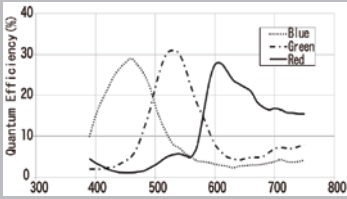
1400MI-WOM
1400MI-USB3-T2



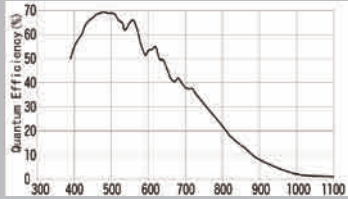
1000MI-WOM
1000MINI
1000MI-USB3-T2



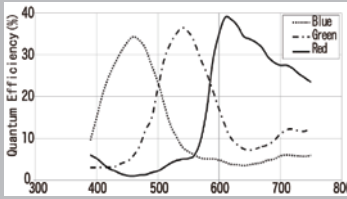
1000MI-BW-WOM
1000MINI-BW
1000MI-BW-USB3-T2



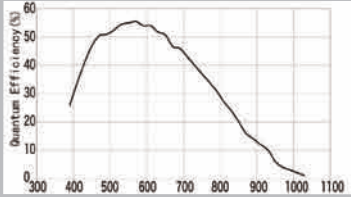
500MI-WOM
500MI-USB3-T2



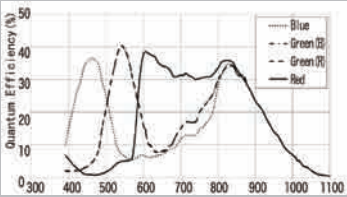
500MI-BW-WOM
500MI-BW-USB3-T2



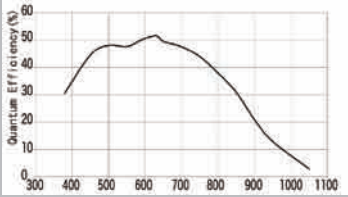
300MI-WOM



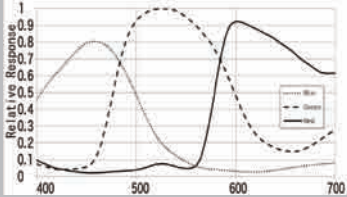
130MI-BW-WOM



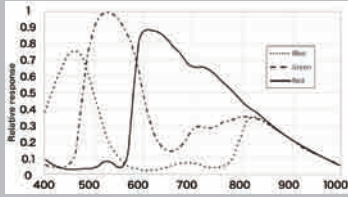
036MI2-WOM
022MINI



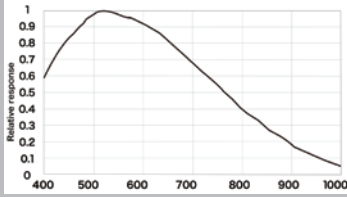
036MI2-BW-WOM
022MINI-BW



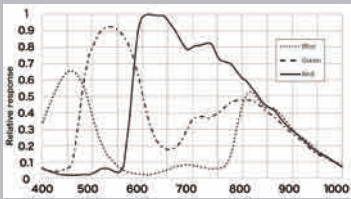
178IMX-USB3-T2



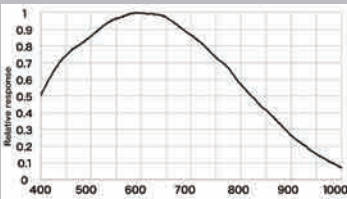
174IMX-USB3-T2



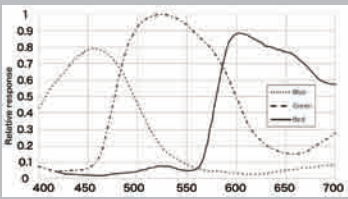
174IMX-BW-USB3-T2



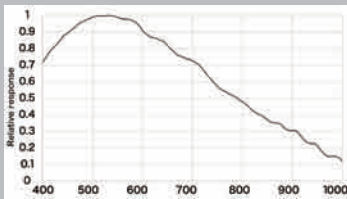
264IMX-WOM
265IMX-WOM
252IMX-USB3-T2
265IMX-USB3-T2



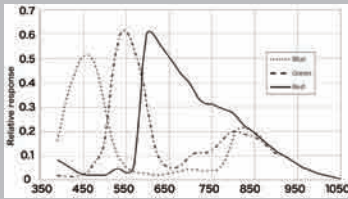
264IMX-BW-WOM
265IMX-BW-WOM
252IMX-BW-USB3-T2
265IMX-BW-USB3-T2



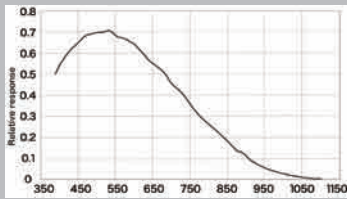
226IMX-USB3-T2



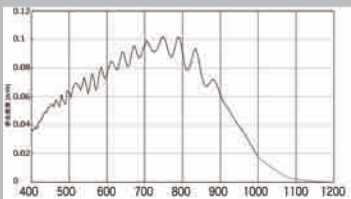
226IMX-BW-USB3-T2



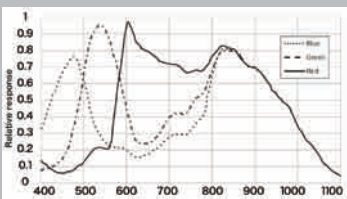
0134AR-WOM



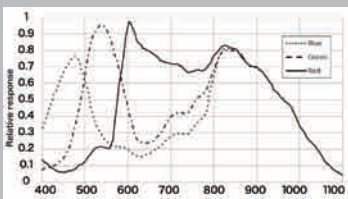
0134AR-BW-WOM



130HP-WOM

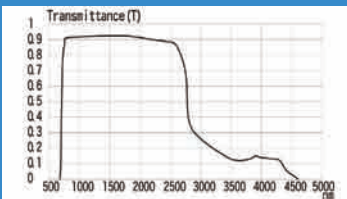


130XQE-WOM-C

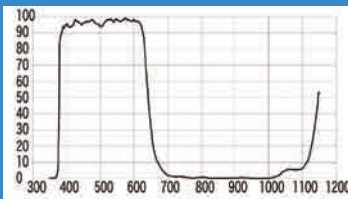


092XQE-WOM-C

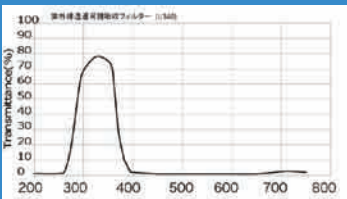
FILTER



IR Pass Filter

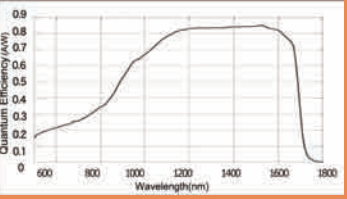


IR Cut Filter

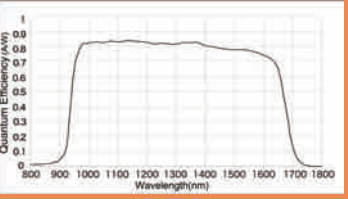


UV Pass Filter

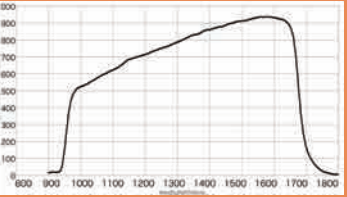
SWIR



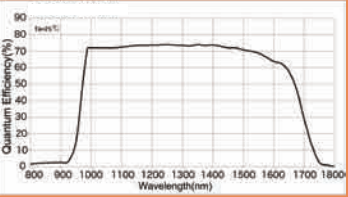
130SWIR



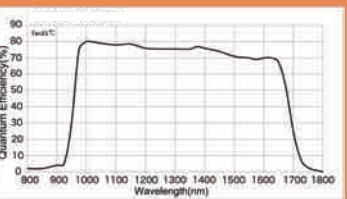
131TNIR
131TNIR-TEC



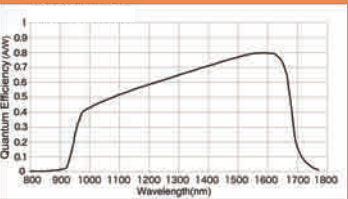
032TNIR
009TNIR



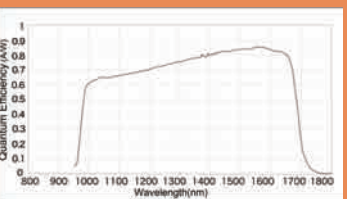
031TNIR



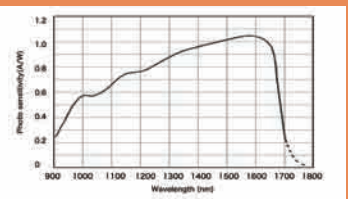
008TNIR



0016TNIR
0016TNIR-TEC
L512TNIR
L256TNIR

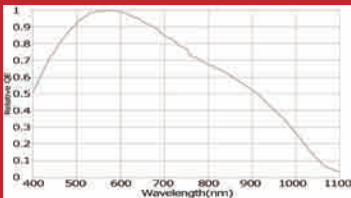


L2048TNIR

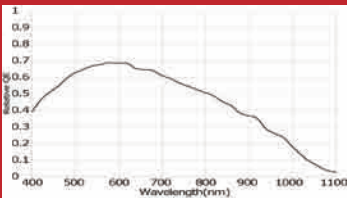


L1024DTNIR
L1024DBTNIR

NIR(COMS)

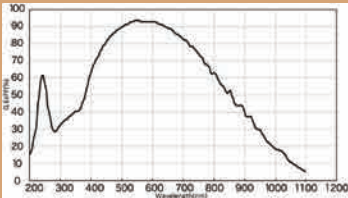


130XQE-WOM/130XQE-HD3

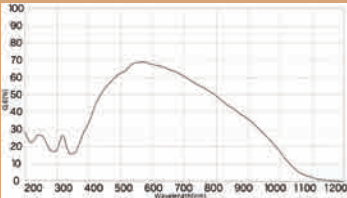


092XQE-WOM

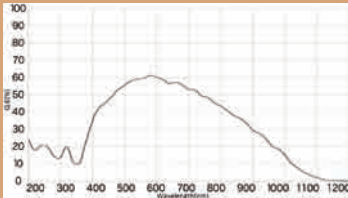
UV



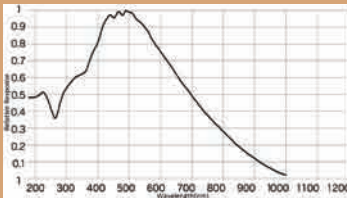
2020UV



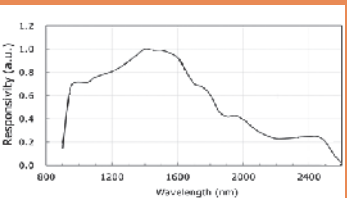
130UV-WOM



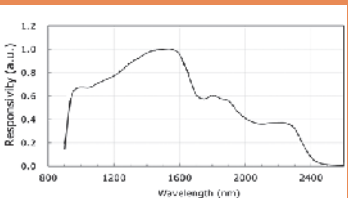
092UV-WOM



407UV-WOM



2500SWIR



2350SWIR