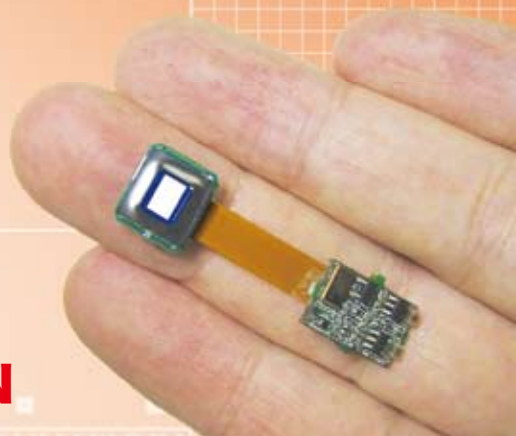
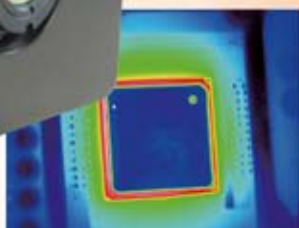
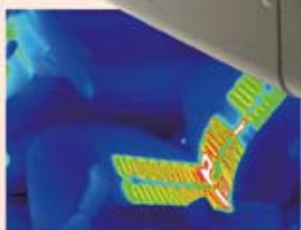


ARTRAY

PRODUCTS INFORMATION

- USB3.0 CMOS / CCD Camera
- USB2.0 CMOS / CCD Camera
- USB2.0 CMOS / CCD Board Camera
- HDMI CMOS / CCD Camera
- Serial ATA CMOS / CCD Camera
- USB2.0 / Ethernet Thermal Infrared Camera
- USB2.0 Thermal Infrared Microscope
- GigE Thermal Infrared Camera
- Near Infrared CMOS Camera
- InGaAs Camera
- UV Camera
- ARTCNV Converter (Analog → USB2.0)



Made in JAPAN

ARTRAY



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

Information

Artray was founded in 1995.

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, 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 !

Our Distributor

Company Name : imRN Asia co.,Ltd
email : sale@imRNAsia.com
Tel : 087-803 1661



UV Cameras

USB2.0

The ARTCAM-407UV-WOM is camera adopting a CCD 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.

* Sensor Type	: CCD
* Interface	: USB2. 0
* Sensor Manufacturer/Model	: Sony/ICX407BLA
* Shutter Type	: Global Shutter
* Optical Format	: 1/2 inch
* Resolution	: 1360 (H) × 1024 (V)
* Active Imager Size	: 6. 47 (H) × 4. 83 (V) mm
* Pixel Size	: 4. 65 (H) × 4. 65 (V) μ m
* Lens Mount	: C Mount (Lens is not included)
* Frame Rate	: 12fps
* Trigger	: External Trigger (Option)
* Shutter Speed	: 1/58824~1/12. 5s
* External Dimensions	: 50 (W) × 47 (H) × 49. 7 (D) mm
* Weight	: Approx. 120g
* Power Supply	: DC5V (Supplied from USB port)
* Options	: Software Development Kit (SDK) 2 Dimension measurement software Recording software

Spectral sensitivity characteristics
250 - 400nm

NEW

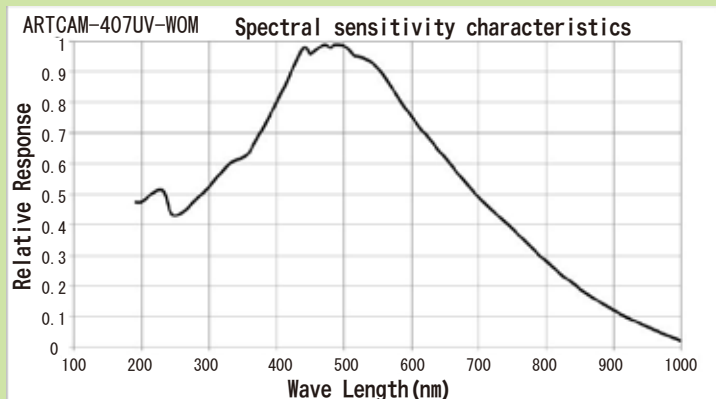


ARTCAM-407UV-WOM

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



Coin



Pliers



Holography

USB2.0 InGaAs

- * InGaAs Camera is available now!
- * High Sensitivity in 900-1700nm NIR range
- * USB 2.0 interface - No capture board needed
- * Easy to process original images as RAW data are extracted
- * Gain and shutter speed are adjustable with enclosed viewer software
- * 640x512 High Resolution (for ARTCAM-031TNIR)

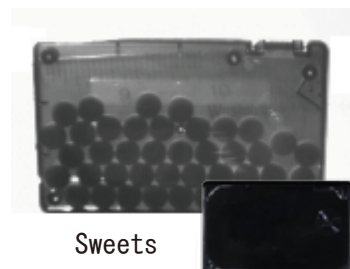
ARTCAM-008TNIR

USB2.0

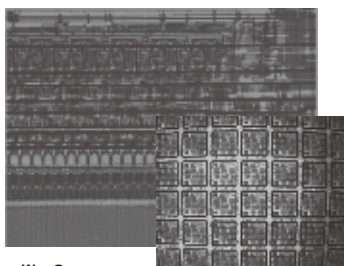
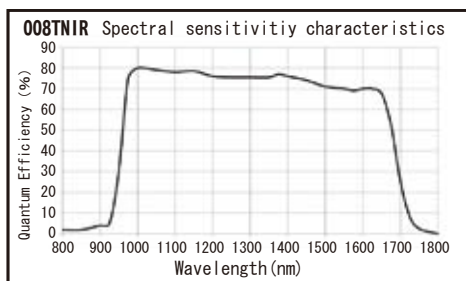
- * Resolution : 320 (H) × 256 (V)
- * Active Imager Size : 9.6 (H) × 7.68 (V) mm
- * Pixel Size : 30 (H) × 30 (V) μm
- * Frame Rate : 90fps
- * Shutter Speed : 1/25706 ~ 1.27s
- * Gain : High Gain: 13.3 $\mu\text{V/e-}$
Low Gain : 0.7 $\mu\text{V/e-}$
- * Full Well Capacity : High Gain: 170Ke-
Low Gain : 3.5Me-
- * A/D Resolution : 14bit
- * External Dimensions : 71.5 (W) × 61.5 (H) × 51.8 (D) mm



QVGA Size



Sweets



Wafer



Liquid

New Products HAMAMATSU Photonics sensor

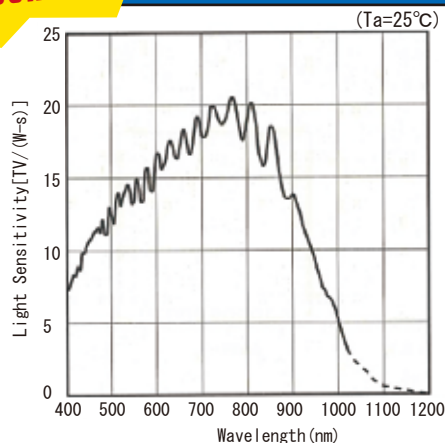
- CMOS BW Global Shutter
- 1.3M Pixels High Resolution
- CMOS Sensor made by HAMAMATSU Photonics
- USB2.0 interface built-in memory that realized stable operation.

ARTCAM-130HP-WOM

Spectral sensitivity Characteristics
380~1000nm

Application:

- Biological, Microscopy analytical
- Semiconductor analytical
- Laser light analytical
- Vein authentication, Security Camera and so on.



Camera USB2.0

Specifications

* Sensor Type	: InGaAs	* Interface	: USB2.0
* Spectral sensitivity Characteristics	: 900~1700nm	* Lens Mount	: C Mount (Lens is not included)
* Operability	: >99%	* Power Supply	: DC12V (AC adapter)
* Shutter Type	: Global Shutter	* OS	: Above Windows XP
* Sensitivity	: $\geq 5 \times 10^{12}$ Jones	* Options	: C Mount Lens, SDK

* Depending on lens you use, our product might not reach the best condition and problems, such as the low resolution and lightness, might occur.
Please consult our sales representative for the recommended lenses.

ARTCAM-031TNIR

USB2.0

* Resolution	: 640 (H) × 512 (V)
* Active Imager Size	: 16.0 (H) × 12.8 (V) mm 1.28型
* Pixel Size	: 25 (H) × 25 (V) μ m
* Frame Rate	: 33.6fps
* Shutter Speed	: 1/18232~3.59s
* Gain	: High Gain: 31 μ V/e- Low Gain: 1.2 μ V/e-
* Full Well Capacity	: High Gain: 93Ke- Low Gain: 2.5Me-
* A/D Resolution	: 12bit
* External Dimensions	: 71.5 (W) × 61.5 (H) × 125 (D) mm



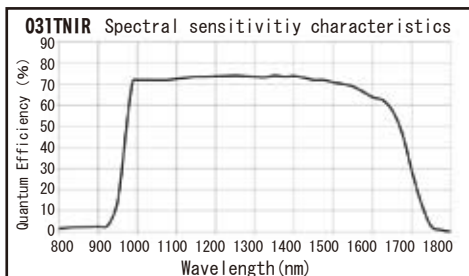
VGA Size



Remote Controller



IC Card



USB2.0 NIR Camera

Sensor Type	: CMOS
Sensor Manufacturer, Model	: Hamamatsu Photonics, S11661
Active Pixels	: 1280(H) × 1024(V)
Pixel Size	: 7.4 × 7.4 (μ m)
Active Imager Size	: 9.472 × 7.578 (mm)
Shutter Type	: Global Shutter
Interface	: USB2.0
Frame Rate	: 8.0fps
Sensitivity	: 13V/lx·s (at 2856K)
Dimensions	: 50(W) × 47(H) × 41.7(D) mm
Options	: Software Development Kit (SDK) 2 Dimension measurement software Recording software Infrared Pass Filter (Visible Light blocking filter)



Depending on lens you use, our product might not reach the best condition and problems, such as the low resolution and lightness, might occur.
Please consult our sales representative for the recommended lenses.

Thermal Infrared Camera

USB2.0 / Ethernet

Spectral sensitivity characteristics

8 - 14 μ m

Artray Thermo Camera series is equipped with USB2.0/Ethernet interface that transfers 14 bit high speed raw data collected by microbolometer directly.

ARTCAM-320-THERMO-WOM

USB2.0

Effective Pixels : QVGA 320(H)x240(V)
Focal Length : f=8mm 50°(H)x37°(V)
Dimensions : 72(W)x61.7(H)x115.8(D)mm
Frame Rate : 60 fps



QVGA Size

h temperature range
mal infrared camera

Up to 1200°C detection!

ARTCAM-320-THERMO-H1200

ARTCAM-640-THERMO-WOM

USB2.0

Effective Pixels : VGA 640(H)x480(V)
Dimensions : 82(W)x85.5(H)x120.5(D)mm



Frame Rate : 60 fps
Focal Length : f=50mm 50°(H)x37°(V)
(Option)

VGA Size

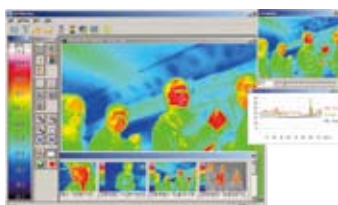
USAGE

Quality Control
Surveillance
Equipment/Building Inspection
Medical Inspection / Diagnosis
Research & Development
Image Processing
Fire Alert
Production Management

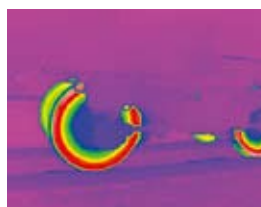
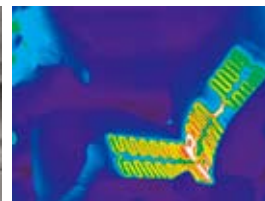
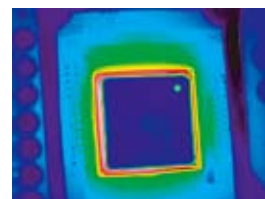
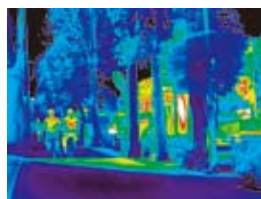
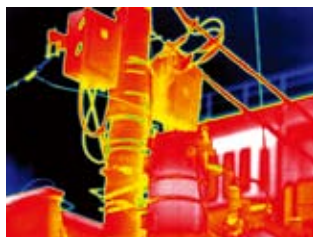
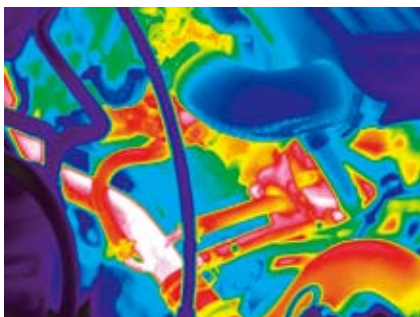
ARTCAM-320-THERMO-LAN3

ETHERNET

Effective Pixels : QVGA 320(H)x240(V)
Focal Length : f=8mm 50°(H)x37°(V)
Dimensions : 72(W)x61.7(H)x115.8(D)mm
Frame Rate : 30 fps



▲ Viewer Software



Specifications

Detector Type : Uncooled Microbolometer (Built in peltier device)	Options : Software Development Kit(SDK)
Pixel Pitch : 23.5 μ m	IR Lens (Germanium) f=100mm, 50mm, 15mm(640-THERMO)
Detected Wavelength : 8 - 14 μ m	f=100mm, 75mm, 35mm, 25mm, 16mm
Output : 14 bit digital output	Ultra wide lens 120°, 90° 70° (320-THERMO)
Interface : USB2.0 / Ethernet	• Operating Systems : Windows XP or above
Power Supply : DC12V(AC adapter)	• Recommended CPU : 2.8GHz or above
Temperature Range : -40~540°C	

Temperature measurement has never been this easy
with Artray's viewer software enclosed (applicable to windows 8, 7, VISTA and XP)

CMOS USB 2.0 Cameras

[100% Bulk Transfer Camera : WOM series]



- [CCD] 50 (W) × 47 (H) × 49.7 (D) mm
- [CMOS] 50 (W) × 47 (H) × 41.7 (D) mm

*Lens and tripod not included



[Regular Case]

- 50(W)×47(H)×59.4(D)mm

ARTCAM-1400MI-WOM

14.0M

USB2.0

COLOR CMOS

DIRECT X COMPATIBLE

ROI

Board Camera

*Sensor Type : CMOS(Color)
 *Interface : USB2.0
 *Sensor Manufacturer : Aptina
 *Shutter Type : Electronic Rolling Shutter
 *Optical Format : 1/2.3 inch
 *Active Pixels : 4608(H) × 3288(V)
 *Active Imager Size : 6.14(H) × 4.60(V)mm
 *Pixel Size : 1.4(H) × 1.4(V) μm
 *Sensitivity : 0.724V/Lux-sec(550nm)

*Color Filter Array : RGB Bayer Pattern
 *Lens Mount : C-Mount (Lens is not included)
 *Frame Rate : 3fps
 *Trigger : External Trigger(Optional)
 *Shutter Speed : 1/9756-1.68s
 *Power Supply : Supplied from USB Port
 *Options : Software Development Kit (SDK)
 2 Dimension measurement software
 Recording software

ARTCAM-1000MI-WOM

10.0M

USB2.0

COLOR CMOS

MONO CMOS

DIRECT X COMPATIBLE

ROI

Board Camera

SS

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

*Color Filter Array : RGB Bayer Pattern
 *Lens Mount : C-Mount (Lens is not included)
 *Frame Rate : 4.4fps(WOM) / 2.2fps(1000SS/1000MI)
 *Trigger : External Trigger(Optional)
 *Shutter Speed : 1/11678-1.4s(WOM) / 1/3507-1.348s(1000SS/1000MI)
 *Power Supply : Supplied from USB Port
 *Options : Software Development Kit (SDK)
 2 Dimension measurement software
 Recording software

Monochrome type is also available depend on the quantity.

ARTCAM-500MI-WOM

5.0M

USB2.0

COLOR CMOS

MONO CMOS

DIRECT X COMPATIBLE

NIR

ROI

Board Camera

SS

*Sensor Type : CMOS(Color/Monochrome)
 *Interface : USB2.0
 *Sensor Manufacturer : Aptina
 *Shutter Type : Electronic Rolling Shutter
 *Optical Format : 1/2.5 inch
 *Active Pixels : 2560(H) × 1920(V)
 *Active Imager Size : 5.70(H) × 4.28(V)mm
 *Pixel Size : 2.2(H) × 2.2(V) μm
 *Sensitivity : 0.5V/Lux-sec(550nm)

*Color Filter Array : RGB Bayer Pattern
 *Lens Mount : C-Mount (Lens is not included)
 *Frame Rate : 7.5fps(WOM) / 3.75fps(500SS/500MI)
 *Trigger : External Trigger(Optional)
 *Shutter Speed : 1/53452-1.196s(WOM) / 1/8702-2.173s(500SS/500MI)
 *Power Supply : Supplied from USB Port
 *Options : Software Development Kit (SDK)
 2 Dimension measurement software
 Recording software

ARTCAM-300MI-WOM

3.0M

USB2.0

COLOR CMOS

DIRECT X COMPATIBLE

ROI

Board Camera

SS

*Sensor Type : CMOS(Color)
 *Interface : USB2.0
 *Sensor Manufacturer : Aptina
 *Shutter Type : Electronic Rolling Shutter
 *Optical Format : 1/2 inch
 *Active Pixels : 2048(H) × 1536(V)
 *Active Imager Size : 6.55(H) × 4.92(V)mm
 *Pixel Size : 3.2(H) × 3.2(V) μm
 *Sensitivity : 1.0V/Lux-sec(550nm)

*Color Filter Array : RGB Bayer Pattern
 *Lens Mount : C-Mount (Lens is not included)
 *Frame Rate : 12fps(WOM) / 6fps(300SS/300MI)
 *Trigger : External Trigger(Optional)
 *Shutter Speed : 1/19688-0.832s(WOM) / 1/9760-1.679s(300SS/300MI)
 *Power Supply : Supplied from USB Port
 *Options : Software Development Kit (SDK)
 2 Dimension measurement software
 Recording software

ARTCAM-035IMX-WOM

1.3M

USB2.0

COLOR CMOS

MONO CMOS

DIRECT X COMPATIBLE

NIR

ROI

Board Camera

*Sensor Type : CMOS(Color/Monochrome)
 *Interface : USB2.0
 *Sensor Manufacturer : Sony
 *Shutter Type : Electronic Rolling Shutter
 *Optical Format : 1/3 inch
 *Active Pixels : 1328(H) × 1048(V)
 *Active Imager Size : 4.82(H) × 3.81(V)mm
 *Pixel Size : 3.63(H) × 3.63(V) μm
 *Sensitivity : 0.46V(Sony Standard)

*Color Filter Array : RGB Bayer Pattern
 *Lens Mount : C-Mount (Lens is not included)
 *Frame Rate : 28.5fps(Full), 30fps(SXGA)
 *Trigger : External Trigger(Optional)
 *Shutter Speed : 1/33852-0.24s
 *Power Supply : Supplied from USB Port
 *Options : Software Development Kit (SDK)
 2 Dimension measurement software
 Recording software

ARTCAM-130MI-BW-WOM

1.3M

USB2.0

MONO CMOS

DIRECT X COMPATIBLE

NIR

ROI

Board Camera

SS

*Sensor Type : CMOS(Color/Monochrome)
 *Interface : USB2.0
 *Sensor Manufacturer : Aptina
 *Shutter Type : Electronic Rolling Shutter
 *Optical Format : 1/2 inch
 *Active Pixels : 1280(H) × 1024(V)
 *Active Imager Size : 6.66(H) × 5.32(V)mm
 *Pixel Size : 5.2(H) × 5.2(V) μm
 *Sensitivity : 1.8V/Lux-sec(550nm)

*Lens Mount : C-Mount (Lens is not included)
 *Frame Rate : 30fps(WOM) / 15fps(130SS-BW/130MI-BW)
 *Trigger : External Trigger(Optional)
 *Shutter Speed : 1/35928-0.52s(WOM) / 1/17991-1.033s(130SS-BW/130MI-BW)
 *Power Supply : Supplied from USB Port
 *Options : Software Development Kit (SDK)
 2 Dimension measurement software
 Recording software

ARTCAM-036MI2-WOM

0.36M

USB2.0

COLOR CMOS

MONO CMOS

DIRECT X COMPATIBLE

NIR

ROI

Board Camera

SS

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

*Color Filter Array : RGB Bayer Pattern
 *Lens Mount : C-Mount (Lens is not included)
 *Frame Rate : 60fps(WOM) / 60fps(036SS/036MI2)
 *Trigger : External Trigger(Optional)
 *Shutter Speed : 1/33149-0.988s(WOM) / 1/32967-1s(036SS/036MI2)
 *Power Supply : Supplied from USB Port
 *Options : Software Development Kit (SDK)
 2 Dimension measurement software
 Recording software

USB 2.0 Cameras CCD



【Small Case】(SS Series)

- Removable USB2.0 Mini-B cable
33.8(W)×33.8(H)×41.5(D)mm
- 2m USB2.0 cable attached
33.8(W)×33.8(H)×50.5(D)mm



【Board Camera】

- C-Mount Type Board Camera
(Lens not included)
- Board Camera ▶
(M12 f=8mm Lens included)



ARTCAM-655KY-WOM

5.0M
USB2.0
COLOR CCD
MONO CCD
NIR
Board Camera Only OP-CM

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB2.0	*Lens Mount	: C-Mount (Lens is not included)
*Sensor Manufacturer/Model	: Sony/ICX655	*Frame Rate	: 6.1fps(WOM) / 2.4fps(625KY)
*Shutter Type	: Global Shutter	*Trigger	: External Trigger(Optional)
*Optical Format	: 2/3 inch	*Shutter Speed	: 1/12531-1/6s(WOM) / 1/9580-1/4.6s(625KY)
*Active Pixels	: 2456(H) x 2058(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 8.47(H) x 7.10(V)mm	*Options	: Software Development Kit (SDK) 2 Dimension measurement software Recording software
*Pixel Size	: 3.45(H) x 3.45(V) μm		
*Sensitivity	: 0.42V(Sony Standard)		

ARTCAM-500P II -WOM

5.0M
USB2.0
COLOR CCD
DIRECT X COMPATIBLE
Board Camera Only OP-CM

*Sensor Type	: CCD(Color)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB2.0	*Lens Mount	: C-Mount (Lens is not included)
*Sensor Manufacturer/Model	: Sony/ICX282	*Frame Rate	: 4fps(WOM) / 3.75fps(500P II)
*Shutter Type	: Global Shutter(Interlace)	*Trigger	: External Trigger(Optional)
*Optical Format	: 2/3 inch	*Shutter Speed	: 1/8293-1/4s(WOM) / 1/8293-1/8.2s(500P II)
*Active Pixels	: 2560(H) x 1920(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 8.80(H) x 6.66(V)mm	*Options	: Software Development Kit (SDK) 2 Dimension measurement software Recording software
*Pixel Size	: 3.4(H) x 3.4(V) μm		
*Sensitivity	: 0.31V(Sony Standard)		

ARTCAM-274KY-WOM

2.0M
USB2.0
COLOR CCD
MONO CCD
DIRECT X COMPATIBLE
NIR
Board Camera

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB2.0	*Lens Mount	: C-Mount (Lens is not included)
*Sensor Manufacturer/Model	: Sony/ICX274	*Frame Rate	: 15fps(WOM) / 15fps(274KY)
*Shutter Type	: Global Shutter	*Trigger	: External Trigger(Optional)
*Optical Format	: 1/1.8 inch	*Shutter Speed	: 1/47493-1/15s(WOM) / 1/18750-1/15s(274KY)
*Active Pixels	: 1600(H) x 1200(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 7.16(H) x 5.44(V)mm	*Options	: Software Development Kit (SDK) 2 Dimension measurement software Recording software
*Pixel Size	: 4.4(H) x 4.4(V) μm		
*Sensitivity	: 0.42V(Sony Standard)		

ARTCAM-150P5-WOM

1.5M
USB2.0
COLOR CCD
MONO CCD
DIRECT X COMPATIBLE
NIR
Board Camera

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB2.0	*Lens Mount	: C-Mount (Lens is not included)
*Sensor Manufacturer/Model	: Sony/ICX205	*Frame Rate	: 12fps(WOM) / 12fps(150P III)
*Shutter Type	: Global Shutter	*Trigger	: External Trigger(Optional)
*Optical Format	: 1/2 inch	*Shutter Speed	: 1/58824-1/12.5s(WOM) / 1/2234-1/12.5s(150P III)
*Active Pixels	: 1360(H) x 1024(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 6.47(H) x 4.83(V)mm	*Options	: Software Development Kit (SDK) 2 Dimension measurement software Recording software
*Pixel Size	: 4.65(H) x 4.65(V) μm		
*Sensitivity	: 0.4V(Sony Standard)		

ARTCAM-285CX-WOM

1.5M
USB2.0
COLOR CCD
MONO CCD
DIRECT X COMPATIBLE
NIR
Board Camera

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB2.0	*Lens Mount	: C-Mount (Lens is not included)
*Sensor Manufacturer/Model	: Sony/ICX285	*Frame Rate	: 12.6fps
*Shutter Type	: Global Shutter	*Trigger	: External Trigger(Optional)
*Optical Format	: 2/3 inch	*Shutter Speed	: 1/39152-1/12.6s
*Active Pixels	: 1360(H) x 1024(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 8.98(H) x 6.71(V)mm	*Options	: Software Development Kit (SDK) 2 Dimension measurement software Recording software
*Pixel Size	: 6.45(H) x 6.45(V) μm		

ARTCAM-445KY2-WOM

1.25M
USB2.0
COLOR CCD
MONO CCD
DIRECT X COMPATIBLE
NIR
Board Camera
SS

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB2.0	*Lens Mount	: C-Mount (Lens is not included)
*Sensor Manufacturer/Model	: Sony/ICX445	*Frame Rate	: 22fps(WOM) / 22fps(445SS/445KY2)
*Shutter Type	: Global Shutter	*Trigger	: External Trigger(Optional)
*Optical Format	: 1/3 inch	*Shutter Speed	: 1/94988-1/22.47s(WOM) / 1/22500-1/20.79s(445SS/445KY2)
*Active Pixels	: 1280(H) x 960(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 4.86(H) x 3.62(V)mm	*Options	: Software Development Kit (SDK) 2 Dimension measurement software Recording software
*Pixel Size	: 3.75(H) x 3.75(V) μm		
*Sensitivity	: 0.46V(Sony Standard)		

ARTCAM-424KY-WOM

0.33M
USB2.0
COLOR CCD
MONO CCD
DIRECT X COMPATIBLE
NIR
Board Camera

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB2.0	*Lens Mount	: C-Mount (Lens is not included)
*Sensor Manufacturer/Model	: Sony/ICX424	*Frame Rate	: 100fps
*Shutter Type	: Global Shutter	*Trigger	: External Trigger(Optional)
*Optical Format	: 1/3 inch	*Shutter Speed	: 1/96332-1/100s(WOM)
*Active Pixels	: 656(H) x 494(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 4.88(H) x 3.66(V)mm	*Options	: Software Development Kit (SDK) 2 Dimension measurement software Recording software
*Pixel Size	: 7.4(H) x 7.4(V) μm		
*Sensitivity	: 0.75V(Sony Standard)		

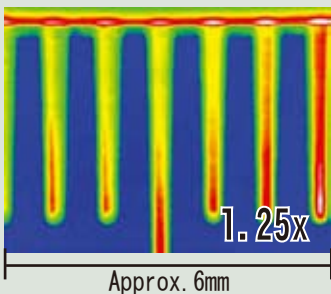
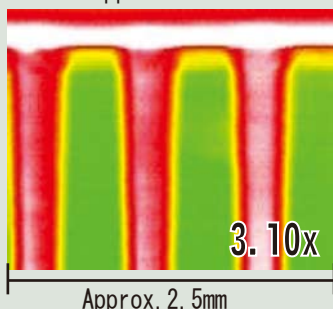
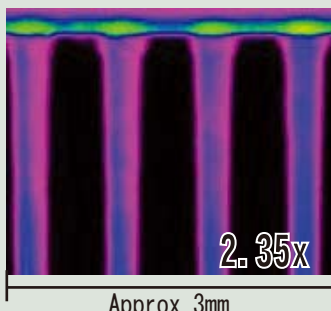
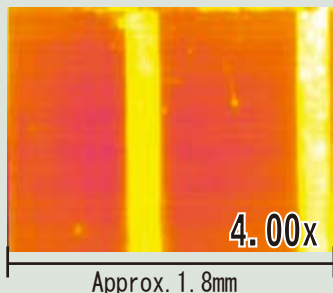
Thermal Infrared Microscope

Magnification

USB2.0

4.00x • 3.10x • 2.35x • 1.25x
Zoom type : 0.25x - 0.8x

Ruler (1 scale = 1 mm)



ARTCAM-320-THERMO-MACRO USB2.0

Specifications

Active Pixels	QVGA 320(H) × 240(V)
Detector Type	Uncooled Microbolometer (Built in peltier device)
Frame Rate	30fps
Pixel Pitch	23.5 μm
Detected Wavelength	8 - 14 μm
Output	14bit digital output
Interface	USB2.0
Temperature Range	0 - 300°C
Power Supply	DC12V(AC adapter)

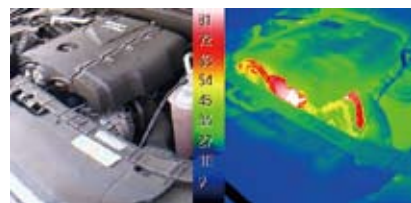
Hybrid Thermal Camera USB2.0

Introducing the New Artray Hybrid series!

ARTCAM-320-THERMO-HYBRID

USB2.0

- * New! The latest Picture in Picture (PIP) technology
- * Infrared + visible light images = identify targets clearly!
- * Easy viewing modes - switch among picture in picture, full IR thermal, and blend visual and thermal images
- * Fast Temperature measurement - only one click!



Specifications

Thermo	Active Pixels	QVGA 320(H) × 240(V)
	Detector Type	Uncooled Microbolometer (Built in peltier device)
	Pixel Pitch	23.5 μm
	Detected Wavelength	8 - 14 μm
	Output	14bit digital output
Visible	Temperature Range	-40 ~ 540°C
	Active Pixels	1280 × 1024
	Optical Format	1/3 inch
	Board Lens	f=3.6mm
	Frame Rate	30fps
Interface		USB2.0
Power Supply		DC12V(AC adapter)

USB 3.0 Cameras



ARTCAM-1400MI-USB3

14.0M USB3.0

COLOR CMOS

DIRECT X COMPATIBLE

ROI

Board Camera

*Sensor Type	: CMOS(Color)	*Frame Rate	: 6fps
*Interface	: USB3.0	*Shutter Speed	: 1/18440-0.4s
*Sensor Manufacturer	: Aptina	*Color Filter Array	: RGB Bayer Pattern
*Shutter Type	: Electronic Rolling Shutter	*Lens Mount	: C-Mount (Lens is not included)
*Optical Format	: 1/2.3 inch	*External Dimensions	: 50(W)x47(H)x59.4(D)mm(Lens and toripod not included)
*Active Pixels	: 4384(H) x 3288(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 6.14(H) x 4.60(V)mm	*Options	: Software Development Kit (SDK)
*Pixel Size	: 1.4(H) x 1.4(V) μ m		: 2 Dimension measurement software
*Sensitivity	: 0.724V/Lux-sec(550nm)		: Recording software

ARTCAM-1000MI-USB3

10.0M USB3.0

COLOR CMOS

MONO CMOS

DIRECT X COMPATIBLE

ROI

Board Camera

*Sensor Type	: CMOS(Color)	*Frame Rate	: 7.6fps	Monochrome type is also available depend on the quantity.
*Interface	: USB3.0	*Shutter Speed	: 1/16656-0.42s	
*Sensor Manufacturer	: Aptina	*Color Filter Array	: RGB Bayer Pattern	
*Shutter Type	: Electronic Rolling Shutter	*Lens Mount	: C-Mount (Lens is not included)	
*Optical Format	: 1/2.3 inch	*External Dimensions	: 50(W)x47(H)x59.4(D)mm(Lens and toripod not included)	
*Active Pixels	: 3856(H) x 2764(V)	*Power Supply	: Supplied from USB Port	
*Active Imager Size	: 6.41(H) x 4.59(V)mm	*Options	: Software Development Kit (SDK)	
*Pixel Size	: 1.67(H) x 1.67(V) μ m		: 2 Dimension measurement software	
*Sensitivity	: 0.31V/Lux-sec(550nm)		: Recording software	

ARTCAM-500MI-USB3

5.0M USB3.0

COLOR CMOS

MONO CMOS

DIRECT X COMPATIBLE

NIR

ROI

Board Camera

*Sensor Type	: CMOS(Color/Monochrome)	*Frame Rate	: 13.9fps
*Interface	: USB3.0	*Shutter Speed	: 1/34808-0.543s
*Sensor Manufacturer	: Aptina	*Color Filter Array	: RGB Bayer Pattern
*Shutter Type	: Electronic Rolling Shutter	*Lens Mount	: C-Mount (Lens is not included)
*Optical Format	: 1/2.5 inch	*External Dimensions	: 50(W)x47(H)x59.4(D)mm(Lens and toripod not included)
*Active Pixels	: 2592(H) x 1944(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 5.70(H) x 4.28(V)mm	*Options	: Software Development Kit (SDK)
*Pixel Size	: 2.2(H) x 2.2(V) μ m		: 2 Dimension measurement software
*Sensitivity	: 0.5V/Lux-sec(550nm)		: Recording software

ARTCAM-655KY-USB3

5.0M USB3.0

COLOR CCD

MONO CCD

DIRECT X COMPATIBLE

NIR

Board Camera

*Sensor Type	: CCD(Color/Monochrome)	*Frame Rate	: 9fps
*Interface	: USB3.0	*Shutter Speed	: 1/18797-1/9.05s
*Sensor Manufacturer/Model	: Sony/ICX655	*Color Filter Array	: RGB Bayer Pattern
*Shutter Type	: Global Shutter	*Lens Mount	: C-Mount (Lens is not included)
*Optical Format	: 2/3 inch	*External Dimensions	: 50(W)x47(H)x79.9(D)mm(Lens and toripod not included)
*Active Pixels	: 2456(H) x 2058(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 8.47(H) x 7.10(V)mm	*Options	: Software Development Kit (SDK)
*Pixel Size	: 3.45(H) x 3.45(V) μ m		: 2 Dimension measurement software
*Sensitivity	: 0.42V(Sony Standard)		: Recording software

ARTCAM-274KY2-USB3

2.0M USB3.0

COLOR CCD

MONO CCD

DIRECT X COMPATIBLE

NIR

Board Camera

*Sensor Type	: CCD(Color/Monochrome)	*Frame Rate	: 25fps
*Interface	: USB3.0	*Shutter Speed	: 1/31250-1/25s
*Sensor Manufacturer/Model	: Sony/ICX274	*Color Filter Array	: RGB Bayer Pattern
*Shutter Type	: Global Shutter	*Lens Mount	: C-Mount (Lens is not included)
*Optical Format	: 1/1.8 inch	*External Dimensions	: 50(W)x47(H)x74.9(D)mm(Lens and toripod not included)
*Active Pixels	: 1600(H) x 1200(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 7.16(H) x 5.44(V)mm	*Options	: Software Development Kit (SDK)
*Pixel Size	: 4.4(H) x 4.4(V) μ m		: 2 Dimension measurement software
*Sensitivity	: 0.42V(Sony Standard)		: Recording software

ARTCAM-424KY-USB3

0.3M USB3.0

COLOR CCD

MONO CCD

DIRECT X COMPATIBLE

NIR

Board Camera

*Sensor Type	: CCD(Color/Monochrome)	*Frame Rate	: 146fps
*Interface	: USB3.0	*Shutter Speed	: 1/76923-1/147s
*Sensor Manufacturer/Model	: Sony/ICX424	*Color Filter Array	: RGB Bayer Pattern
*Shutter Type	: Global Shutter	*Lens Mount	: C-Mount (Lens is not included)
*Optical Format	: 1/3 inch	*External Dimensions	: 50(W)x47(H)x74.9(D)mm(Lens and toripod not included)
*Active Pixels	: 656(H) x 494(V)	*Power Supply	: Supplied from USB Port
*Active Imager Size	: 4.88(H) x 3.66(V)mm	*Options	: Software Development Kit (SDK)
*Pixel Size	: 7.4(H) x 7.4(V) μ m		: 2 Dimension measurement software
*Sensitivity	: 0.75V(Sony Standard)		: Recording software

USB 3.0 Cameras

ARTCAM-2000CMV-USB3

2.0M
USB3.0
COLOR CMOS
MONO CMOS
NIR

*Sensor Type	: CMOS(Color/Monochrome)	*Shutter Speed	: 1/29253-18.9s
*Interface	: USB3.0	*Color Filter Array	: RGB Bayer Pattern
*Sensor Manufacturer	: CMOSIS	*Lens Mount	: C-Mount (Lens is not included)
*Shutter Type	: Global Shutter	*Frame Rate	: 100fps
*Optical Format	: 2/3 inch	*Power Supply	: DC5V(AC adapter)
*Active Pixels	: 2048(H) x 1088(V)	*Options	: Software Development Kit (SDK)
*Active Imager Size	: 11.26(H) x 5.98(V)mm		: 2 Dimension measurement software
*Pixel Size	: 5.5(H) x 5.5(V) μ m		: Recording software
*Sensitivity	: 4.64V/Lux-sec		



ARTCAM-2900KAI-USB3

29.0M
USB3.0
COLOR CCD
MONO CCD
NIR
DIRECT X COMPATIBLE

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB3.0	*Lens Mount	: F-Mount (Lens is not included)
*Sensor Manufacturer	: Truesense Imaging	*Frame Rate	: 1.90fps
*Shutter Type	: Global Shutter	*Shutter Speed	: 1/22440-1/1.9s
*Optical Format	: 35mm size	*Power Supply	: DC5V(AC adapter)
*Active Pixels	: 6576(H) x 4384(V)	*Options	: Software Development Kit (SDK)
*Active Imager Size	: 36.17(H) x 24.11(V)mm		: 2 Dimension measurement software
*Pixel Size	: 5.5(H) x 5.5(V) μ m		: Recording software
*Sensitivity	: 34 μ V/e-(550nm)		



ARTCAM-1600KAI-USB3

16.0M
USB3.0
COLOR CCD
MONO CCD
NIR
DIRECT X COMPATIBLE

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB3.0	*Lens Mount	: F-Mount (Lens is not included)
*Sensor Manufacturer	: Truesense Imaging	*Frame Rate	: 3.46fps
*Shutter Type	: Global Shutter	*Shutter Speed	: 1/55363-1/3.46s
*Optical Format	: APS-H size	*Power Supply	: DC5V(AC adapter)
*Active Pixels	: 4896(H) x 3264(V)	*Options	: Software Development Kit (SDK)
*Active Imager Size	: 26.93(H) x 17.95(V)mm		: 2 Dimension measurement software
*Pixel Size	: 5.5(H) x 5.5(V) μ m		: Recording software
*Sensitivity	: 34 μ V/e-(550nm)		

ARTCAM-810KAI-USB3

8.0M
USB3.0
COLOR CCD
MONO CCD
NIR
DIRECT X COMPATIBLE

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB3.0	*Lens Mount	: F-Mount (Lens is not included)
*Sensor Manufacturer	: Truesense Imaging	*Frame Rate	: 6.6fps
*Shutter Type	: Global Shutter	*Shutter Speed	: 1/116788-1/6.64s
*Optical Format	: 4/3 inch	*Power Supply	: DC5V(AC adapter)
*Active Pixels	: 3296(H) x 2472(V)	*Options	: Software Development Kit (SDK)
*Active Imager Size	: 18.13(H) x 13.60(V)mm		: 2 Dimension measurement software
*Pixel Size	: 5.5(H) x 5.5(V) μ m		: Recording software
*Sensitivity	: 34 μ V/e-(550nm)		

ARTCAM-410KAI-USB3

4.0M
USB3.0
COLOR CCD
MONO CCD
NIR
DIRECT X COMPATIBLE

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB3.0	*Lens Mount	: F-Mount (Lens is not included)
*Sensor Manufacturer	: Truesense Imaging	*Frame Rate	: 12.6fps
*Shutter Type	: Global Shutter	*Shutter Speed	: 1/122137-1/12.5s
*Optical Format	: 1 inch	*Power Supply	: DC5V(AC adapter)
*Active Pixels	: 2336(H) x 1752(V)	*Options	: Software Development Kit (SDK)
*Active Imager Size	: 12.85(H) x 9.64(V)mm		: 2 Dimension measurement software
*Pixel Size	: 5.5(H) x 5.5(V) μ m		: Recording software
*Sensitivity	: 34 μ V/e-(550nm)		

ARTCAM-210KAI-USB3

2.0M
USB3.0
COLOR CCD
MONO CCD
NIR
DIRECT X COMPATIBLE

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB3.0	*Lens Mount	: C-Mount (Lens is not included)
*Sensor Manufacturer	: Truesense Imaging	*Frame Rate	: TBD
*Shutter Type	: Global Shutter	*Shutter Speed	: TBD
*Optical Format	: 2/3 inch	*Power Supply	: DC5V(AC adapter)
*Active Pixels	: 1600(H) x 1200(V)	*Options	: Software Development Kit (SDK)
*Active Imager Size	: 8.80(H) x 6.60(V)mm		: 2 Dimension measurement software
*Pixel Size	: 5.5(H) x 5.5(V) μ m		: Recording software
*Sensitivity	: 34 μ V/e-(550nm)		

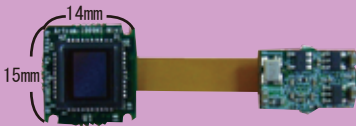
ARTCAM-100KAI-USB3

1.0M
USB3.0
COLOR CCD
MONO CCD
NIR
DIRECT X COMPATIBLE

*Sensor Type	: CCD(Color/Monochrome)	*Color Filter Array	: RGB Bayer Pattern
*Interface	: USB3.0	*Lens Mount	: C-Mount (Lens is not included)
*Sensor Manufacturer	: Truesense Imaging	*Frame Rate	: 50.8fps
*Shutter Type	: Global Shutter	*Shutter Speed	: 1/165289-1/50.8s
*Optical Format	: 1/2 inch	*Power Supply	: DC5V(AC adapter)
*Active Pixels	: 1024(H) x 1024(V)	*Options	: Software Development Kit (SDK)
*Active Imager Size	: 5.63(H) x 5.63(V)mm		: 2 Dimension measurement software
*Pixel Size	: 5.5(H) x 5.5(V) μ m		: Recording software
*Sensitivity	: 34 μ V/e-(550nm)		

Mini Cameras **USB2.0**

ARTCAM-1000MINI

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


Board camera type available.

*Sensor Type	: CMOS(Color)
*Interface	: USB2.0
*Sensor Manufacturer	: Aptina
*Shutter Type	: Rolling Shutter
*Optical Format	: 1/2.3 inch
*Active Pixels	: 3856(H) x 2764(V)
*Active Imager Size	: 6.41(H) x 4.59(V)mm
*Pixel Size	: 1.67(H) x 1.67(V) μ m
*Sensitivity	: 0.31V/Lux-sec(550nm)
*Dimensions	: 20(W)x25(H)x25(D)mm(Case type)
*Color Filter Array	: RGB Bayer Pattern
*Lens Mount	: M12 x P0.5
*Frame Rate	: 2.2fps
*Power Supply	: Supplied from USB Port

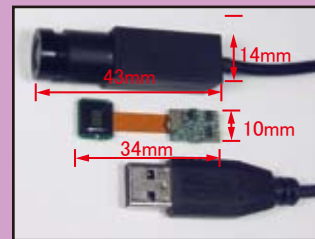
※Monochrome type is also available depend on the quantity.

ARTCAM-022MINI

0.36M
USB2.0
COLOR CMOS
MONO CMOS
DIRECT X COMPATIBLE
ROI
Board Camera

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

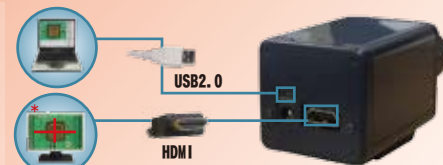
GLOBAL SHUTTER TYPE



HDMI Output Cameras **HDMI&USB2.0**

No PC needed ! Display on monitors/TVs via LCD or HDMI interface.

- * HDMI (High Definition Multimedia Interface) Ver1.2
- * Lens Mount : C Mount(Lens is not included)
- * Output : USB2.0(8bit digital output) / HDMI Ver1.2
- * USB : USB2.0 Bulk transfer Streaming Output
- * External Dimensions : 50(W)x47(H)x79.9(D)mm(Lens, Tripod not included)
- * Power Supply : DC5V(AC adapter)



*Cross cursor is equipped

ARTCAM-1000MI-HD2

Full HD 1080
10.0M
USB2.0
HDMI
COLOR CMOS

- *Full HD(1080P) Output
- *10.0M Pixels CMOS Sensor
- *Color Sensor

*Sensor Type	: 10.0M Pixels CMOS (Color)
*Shutter Type	: Rolling Shutter
*Optical Format	: 1/2.3 inch
*Active Pixels	: 3664(H) x 2748(V)

*HDMI Video Output	: 1.67(H) x 1.67(V) μ m
*Pixel Size	: Progressive Scan
*Transfer Method	: 1080P / 720P
(Output can be switched by software)	

ARTCAM-150P5-HD2

1.5M
USB2.0
HDMI
COLOR CCD
MONO CCD
NIR

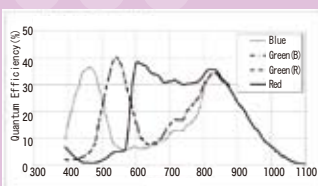
- *1.5M Pixels CCD Sensor
- *Color/Monochrome Sensor Available

*Sensor Type	: 1.5M Pixels CCD (Color/Monochrome)
*Shutter Type	: Global Shutter
*Optical Format	: 1/2 inch
*Active Pixels	: 1360(H) x 1024(V)

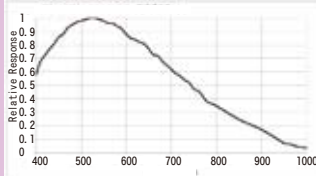
*Pixel Size	: 4.65(H) x 4.65(V) μ m
*Transfer Method	: Progressive Scan
*HDMI Video Output	: 720P or 1280x1024

CMOS

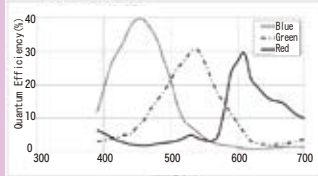
Spectral sensitivity



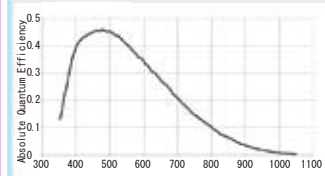
O36M12-WOM/O22MINI



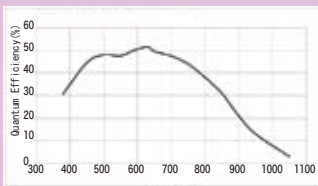
O351MX-BW-WOM



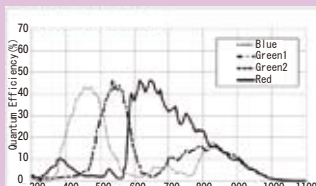
1000MI-WOM/1000MINI/1000MI-USB3



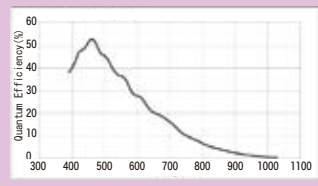
100KA1-BW-USB3



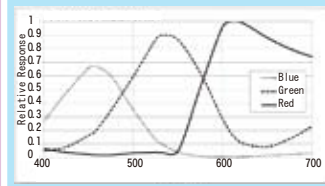
O36M12-BW-WOM/O22MINI-BW



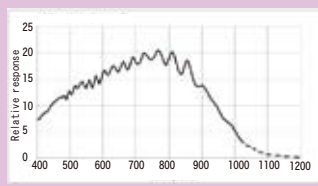
2000CMV-USB3



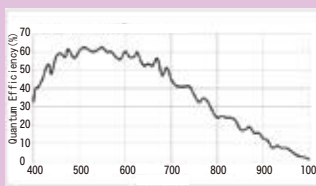
1000MI-BW-WOM/1000MINI-BW/1000MI-BW-USB3



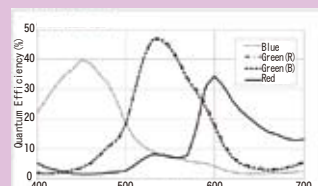
445KY2-WOM



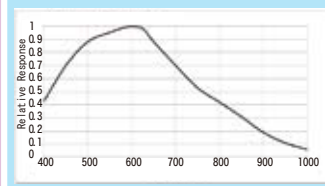
130HP-WOM



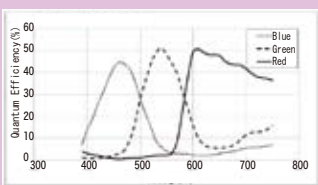
2000CMV-BW-USB3



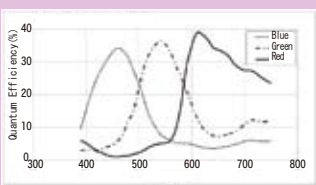
1400MI-WOM/1400MI-USB3



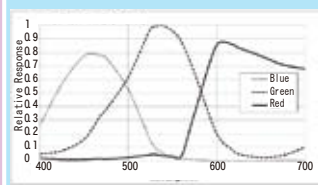
445KY2-BW-WOM



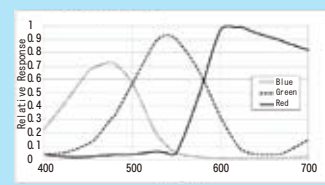
130MI-WOM



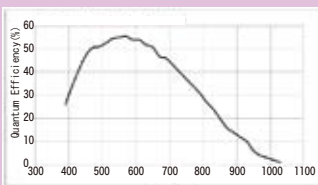
300MI-WOM



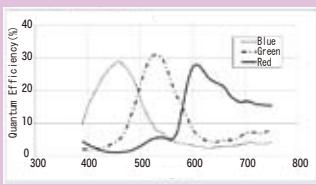
424KY-WOM/424KY-USB3



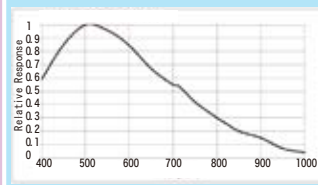
285CX-WOM



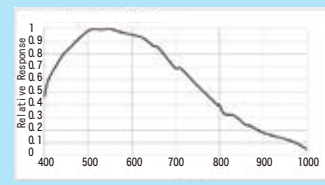
130MI-BW-WOM



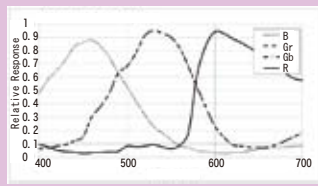
500MI-WOM/500MI-USB3



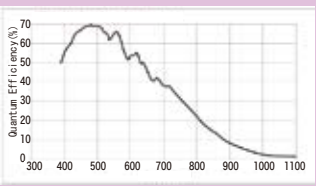
424KY-BW-WOM/424KY-BW-USB3



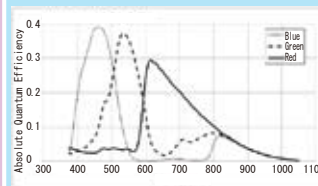
285CX-BW-WOM



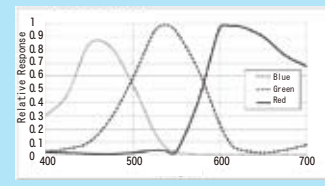
O351MX-WOM



500MI-BW-WOM/500MI-BW-USB3

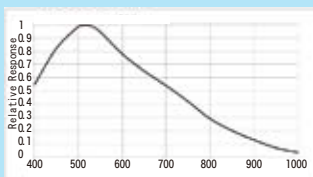


100KA1-USB3

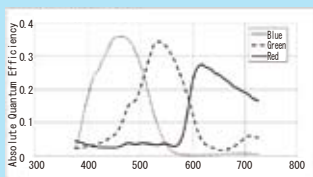


150P5-WOM

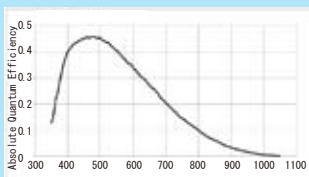
Characteristics CCD



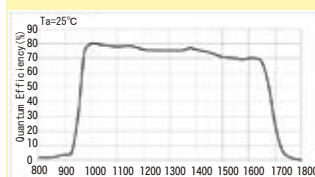
150P5-BW-WOM



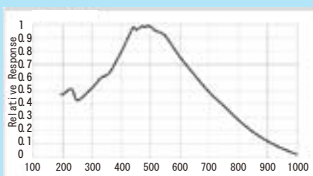
410KA1-USB3



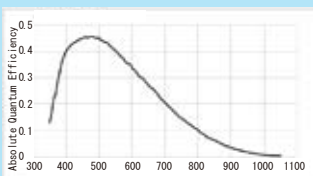
810KA1-BW-USB3



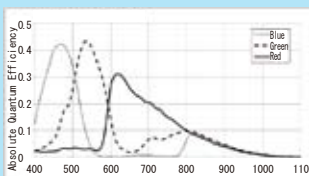
008TN1R



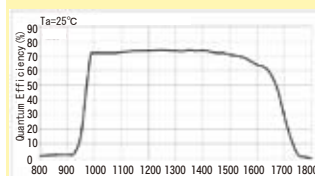
407UV-WOM



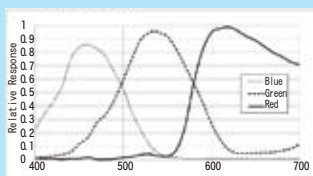
410KA1-BW-USB3



1600KA1-USB3



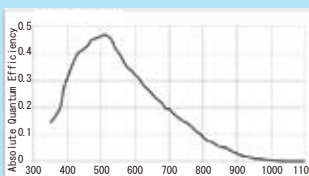
031TN1R



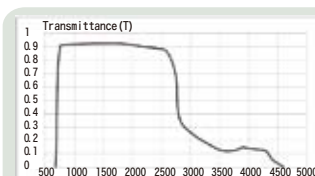
274KY-WOM/274KY2-USB3



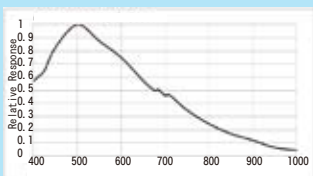
500P II -WOM



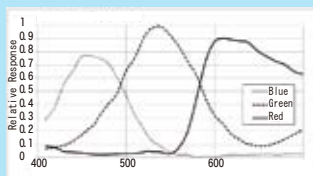
1600KA1-BW-USB3



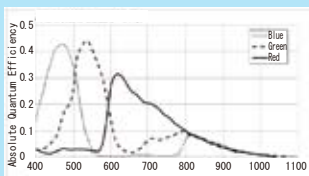
IR PASS FILTER



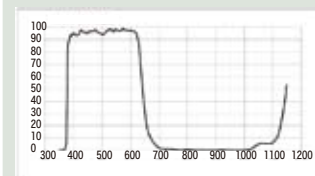
274KY-BW-WOM/274KY2-BW-USB3



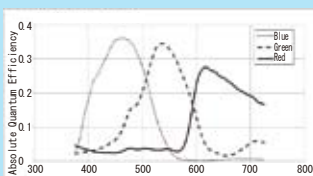
655KY-WOM/655KY-USB3



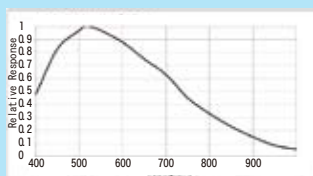
2900KA1-USB3



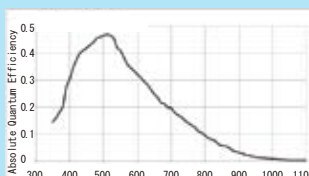
IR CUT FILTER



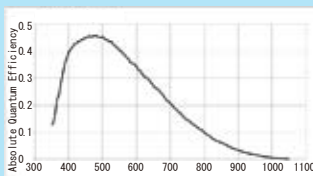
210KA1-USB3



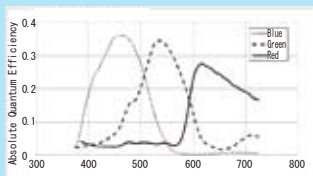
655KY-BW-WOM/655KY-BW-USB3



2900KA1-BW-USB3



210KA1-BW-USB3



810KA1-USB3

Sensor Type	Interface	Max Resolution	Model		Optical Format	Pixel Size (μm)	Shutter Type	Frame Rate (fps) ^{※2}	SS	Direct X Compatible	NIR	ROI	I/O ^{※3}	LINUX	HALCON
			Color	Monochrome											
CMOS	USB3.0	14.0 Mega Pixel	ARTCAM-1400MI-USB3	-	1/2.3"	1.4x1.4	Rolling Shutter	6	-	●	-	●	-	-	●
		10.0 Mega Pixel	ARTCAM-1000MI-USB3	ARTCAM-1000MI-BW-USB3 ^{※1}	1/2.3"	1.67x1.67	Rolling Shutter	7.6	-	●	● ^{※1}	●	-	-	●
		5.0 Mega Pixel	ARTCAM-500MI-USB3	ARTCAM-500MI-BW-USB3	1/2.5"	2.2x2.2	Rolling Shutter	13.9	-	●	●	●	-	-	●
		2.0 Mega Pixel	ARTCAM-2000CMV-USB3	ARTCAM-2000CMV-BW-USB3	2/3"	5.5x5.5	Global Shutter	100	-	-	●	-	●	-	-
	USB2.0	14.0 Mega Pixel	ARTCAM-1400MI-WOM	-	1/2.3"	1.4x1.4	Rolling Shutter	3	-	●	-	●	●	-	●
		10.0 Mega Pixel	ARTCAM-1000MI-WOM	ARTCAM-1000MI-BW-WOM ^{※1}	1/2.3"	1.67x1.67	Rolling Shutter	4.4(2.2)	●	●	● ^{※1}	●	●	-	●
		5.0 Mega Pixel	ARTCAM-500MI-WOM	ARTCAM-500MI-BW-WOM	1/2.5"	2.2x2.2	Rolling Shutter	7.5(3.75)	●	●	●	●	●	-	●
		3.0 Mega Pixel	ARTCAM-300MI-WOM	-	1/2"	3.2x3.2	Rolling Shutter	12(6)	●	●	-	●	●	-	●
		1.3 Mega Pixel	ARTCAM-035IMX-WOM	ARTCAM-035IMX-BW-WOM	1/3"	3.63x3.63	Rolling Shutter	30	-	●	●	●	●	-	●
		1.3 Mega Pixel	-	ARTCAM-130MI-BW-WOM	1/2"	5.2x5.2	Rolling Shutter	30(15)	●	●	●	●	●	-	●
		0.36 Mega Pixel	ARTCAM-036MI2-WOM	ARTCAM-036MI2-BW-WOM	1/3"	6.0x6.0	Global Shutter	60(60)	●	●	●	●	●	-	●
		10.0 Mega Pixel	ARTCAM-1000MINI	ARTCAM-1000MINI-BW ^{※1}	1/2.3"	1.67x1.67	Rolling Shutter	2.2	-	●	-	●	-	-	●
		0.36 Mega Pixel	ARTCAM-022MINI	ARTCAM-022MINI-BW	1/3"	6.0x6.0	Global Shutter	60	-	●	-	●	-	-	●
	HDMI	10.0 Mega Pixel	ARTCAM-1000MI-HD2	-	1/2.3"	1.67x1.67	Rolling Shutter	-	-	-	-	-	-	-	-
CCD	USB3.0	5.0 Mega Pixel	ARTCAM-655KY-USB3	ARTCAM-655KY-BW-USB3	2/3"	3.45x3.45	Global Shutter	9	-	●	●	-	-	-	●
		2.0 Mega Pixel	ARTCAM-274KY2-USB3	ARTCAM-274KY2-BW-USB3	1/1.8"	4.4x4.4	Global Shutter	25	-	●	●	-	-	-	●
		0.3 Mega Pixel	ARTCAM-424KY-USB3	ARTCAM-424KY-BW-USB3	1/3"	7.4x7.4	Global Shutter	146	-	●	●	-	-	-	●
		29.0 Mega Pixel	ARTCAM-2900KAI-USB3	ARTCAM-2900KAI-BW-USB3	35mm size	5.5x5.5	Global Shutter	1.9	-	●	●	-	-	-	●
		16.0 Mega Pixel	ARTCAM-1600KAI-USB3	ARTCAM-1600KAI-BW-USB3	APS-H size	5.5x5.5	Global Shutter	3.46	-	●	●	-	-	-	●
		8.0 Mega Pixel	ARTCAM-810KAI-USB3	ARTCAM-810KAI-BW-USB3	4/3"	5.5x5.5	Global Shutter	6.6	-	●	●	-	-	-	●
		4.0 Mega Pixel	ARTCAM-410KAI-USB3	ARTCAM-410KAI-BW-USB3	1"	5.5x5.5	Global Shutter	12.6	-	●	●	-	-	-	●
		2.0 Mega Pixel	ARTCAM-210KAI-USB3	ARTCAM-210KAI-BW-USB3	2/3"	5.5x5.5	Global Shutter	TBD	-	●	●	-	-	-	●
		1.0 Mega Pixel	ARTCAM-100KAI-USB3	ARTCAM-100KAI-BW-USB3	1/2"	5.5x5.5	Global Shutter	48.3	-	●	●	-	-	-	●
		5.0 Mega Pixel	ARTCAM-655KY-WOM	ARTCAM-655KY-BW-WOM	2/3"	3.45x3.45	Global Shutter	6.1(2.4)	-	-	●	-	●	-	-
	USB2.0	5.0 Mega Pixel	ARTCAM-500P II -WOM	-	2/3"	3.4x3.4	Global Shutter (Interface)	4(3.75)	-	-	-	-	●	-	-
		2.0 Mega Pixel	ARTCAM-274KY-WOM	ARTCAM-274KY-BW-WOM	1/1.8"	4.4x4.4	Global Shutter	15(15)	-	●	●	-	●	-	●
		1.5 Mega Pixel	ARTCAM-150P5-WOM	ARTCAM-150P5-BW-WOM	1/2"	4.65x4.65	Global Shutter	12(12)	-	●	●	-	●	-	●
		1.5 Mega Pixel	ARTCAM-285CX-WOM	ARTCAM-285CX-BW-WOM	2/3"	6.45x6.45	Global Shutter	12.6	-	●	●	-	●	-	●
		1.25 Mega Pixel	ARTCAM-445KY2-WOM	ARTCAM-445KY2-BW-WOM	1/3"	3.75x3.75	Global Shutter	22	●	●	●	-	●	-	●
		0.3 Mega Pixel	ARTCAM-424KY-WOM	ARTCAM-424KY-BW-WOM	1/3"	7.4x7.4	Global Shutter	100	-	●	●	-	●	-	●
		1.5 Mega Pixel	ARTCAM-150P5-HD2	ARTCAM-150P5-BW-HD2	1/2"	4.65x4.65	Global Shutter	-	-	-	●	-	-	-	-
	HDMI	1.25 Mega Pixel	ARTCAM-445KY2-HD2	ARTCAM-445KY2-BW-HD2	1/3"	3.75x3.75	Global Shutter	-	-	-	●	-	-	-	-

※1 Monochrome type is also available depend on the quantity. ※2 Frame rate vary depending depending on PC. () shows the frame rate of original cameras for cameras with both the original and WOM(100% Bulk transfer) model. ※3 I/O option is available on all WOM cameras

Thermal Infrared Camera Spectral sensitivity characteristics 8 - 14 μm		
	ARTCAM-320-THERMO-WOM	ARTCAM-640-THERMO-WOM
Active Pixels	QVGA 320(H)x240(V)	VGA 640(H)x480(V)
Lens FOV	f=8mm:50°(H)x37°(V)	f=50mm:17°(H)x13°(V) (Option)
External Dimensions	72(W)x61.7(H)x115.8(D)mm	82(W)x85.5(H)x120.5(D)mm
Interface	USB2.0 / Ethernet	USB2.0

InGaAs Camera Spectral sensitivity characteristics 900 - 1700nm		
	ARTCAM-031TNIR	ARTCAM-008TNIR
Active Pixels	QVGA 640(H)x512(V)	VGA 320(H)x256(V)
Interface	USB2.0	USB2.0

UV Camera Spectral sensitivity characteristics 250 - 400nm	
	ARTCAM-407UV-WOM
Active Pixels	1360(H)x1024(V)
Interface	USB2.0

NIR Camera Spectral sensitivity characteristics 380 - 1000nm	
	ARTCAM-130HP-WOM NEW
Active Pixels	1280(H)x1024(V)
Interface	USB2.0

USB2.0 CONVERTER (NTSC・PAL・SECAM→USB2.0)			
MODEL	INPUT TYPE	CHANNEL	DIRECT X COMPATIBLE
ARTCNV II -PIN	RCA pin type	1	●
ARTCNV II -BNC	BNC pin type	1	●
ARTCNV II -12P	12 pin type	1	●