

# USB2.0 InGaAs Camera

InGaAs Camera has become Available!  
 High Sensitivity in 900nm-1700nm NIR range  
 Storable images with USB2.0 Interface

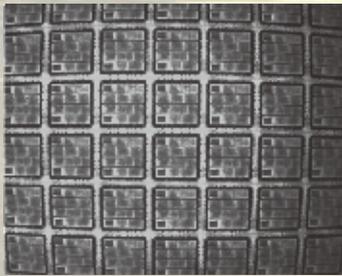
- \*USB2.0 interface, No Capture Board Needed
- \*Easy to process original images as RAW data are extracted.
- \*Gain and Shutter Speed are adjustable with enclosed viewer software
- \*640 x 512 High Resolutions (for ARTCAM-031TNIR)



**QVGA**  
**ARTCAM-008TNIR**



**VGA**  
**ARTCAM-031TNIR**



Wafer



IC Card



IC Chip

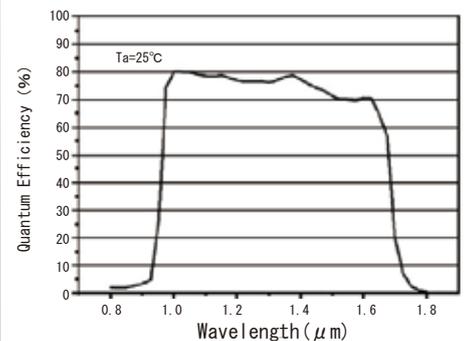


Liquid

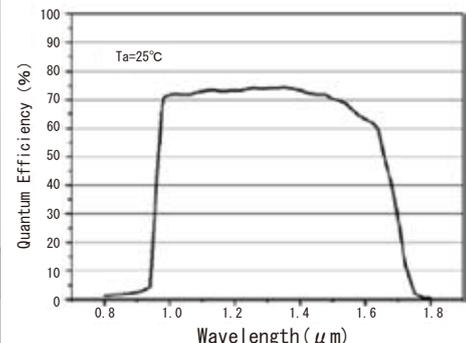
## Specifications

Model	ARTCAM-031TNIR	ARTCAM-008TNIR
Sensor Type	InGaAs Image Sensor	
Resolution	640(H) × 512(V)	320(H) × 256(V)
Pixel Size	25(H) × 25(V) μm	30(H) × 30(V) μm
Spectral Characteristics	900~1700nm	
Operability	>99%	
Frame Rate	33.6fps	90fps
Detectivity	≥5×10 <sup>12</sup> Jones	
Gain	High Gain: 31 μV/e- Low Gain: 1.2 μV/e-	High Gain: 13.3 μV/e- Low Gain: 0.7 μV/e-
Full Well Capacity	High Gain: 93Ke- Low Gain: 2.5Me-	High Gain: 170Ke- Low Gain: 3.5Me-
A/D Resolution	12bit	14bit
Interface	USB2.0 Bulk transfer	
Lens Mount	C-Mount(Lens is not included)	
Power Supply	DC12V	

008TNIR Spectral sensitivity characteristics



031TNIR Spectral sensitivity characteristics



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- We might change product's specifications without announcement.
- Sorry for inconvenience in advance.