

EHD IMAGING GMBH

# VIS-SWIR Camera

TE Cooled VIS-SWIR Camera USB3.0

## MaxCam-991TE-TR

EHD imaging GmbH  
Zum Rennplatz 15  
D-49401 Damme

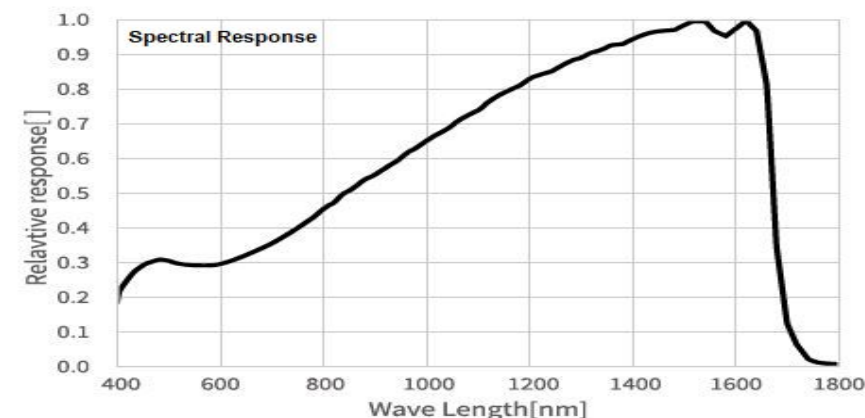
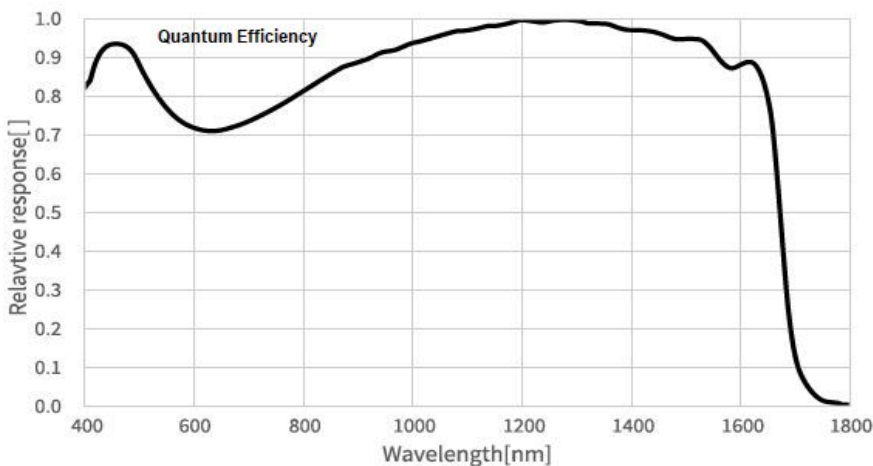
Phone: +49-5491-2090  
Fax: +49-5491-2098

e-mail: [info@ehdimaging.de](mailto:info@ehdimaging.de)  
[www.ehd.de](http://www.ehd.de)



### Key Features:

- 640x 512 Pixel
- SONY IMX991
- 400nm –1700nm
- 50 $\mu$ s—3600s
- TE Cooler dt 30°C
- 258fps (8bit), 137fps (12bit)
- 8bit / 12bit
- Global Shutter
- USB3.0 (Windows 10)
- C-Mount
- EHDView Software
- Software SDK
- ext. Trigger & GPIO's



### Optional:

- Sensor without window
- VIS-SWIR Lenses
- Bandpass Filter

## Specifications: MaxCam-991TE-TR

Image Sensor	1/4" SONY IMX991-AABA-C
Resolution	640 x 512
Pixel Size (H x V) $\mu\text{m}$	5.0 x 5.0
Active Sensor Size (H x V) mm	6.4 x 4.8
Full Well	181ke-
Dark Current	383e/s (0°C)
SNR max	52.6dB
Readout Noise	211e
Conversion Gain	44.3e/ADU
Sensitivity	121mV
A/D	8Bit /12bit
Exposure Control	50 $\mu\text{s}$ ~ 3600s
Frame Rate	258fps at 640x512, 486fps at 320x256 (8bit)
Cooling	25°C—30°C below ambient
Gain Range	1x-15x
Shutter	Global Shutter
Digital I/O	Trigger input/output, 2 GPIO's
Binning	Software 2x2, 3x3, 4x4
Lens Mount	C-Mount
Operation Temperatur	-20°C ~ 60°C
Power Source	DC 5V USB port powered, DC 12V extern TE-Cooler <25W
Dimensions ( WxHxD) mm	75 x 75 x 68
Weight ( without lens )	648g

## Dimensions

