

EHD IMAGING GMBH

VIS-SWIR Camera

TE Cooled VIS-SWIR Camera USB3.0

MaxCam-991TE-TR

EHD imaging GmbH
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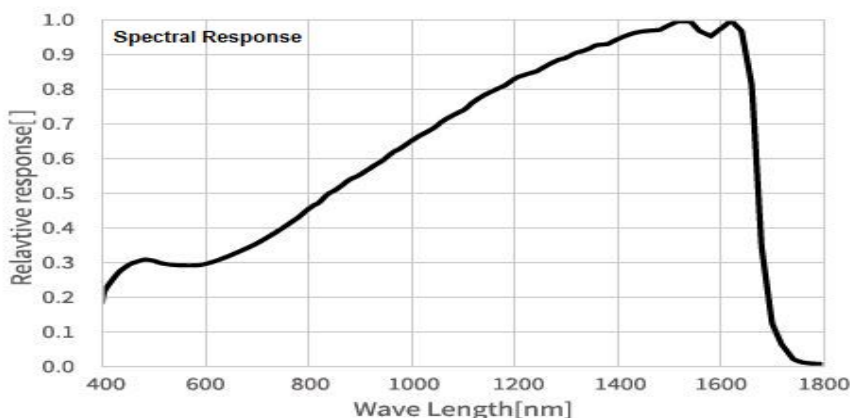
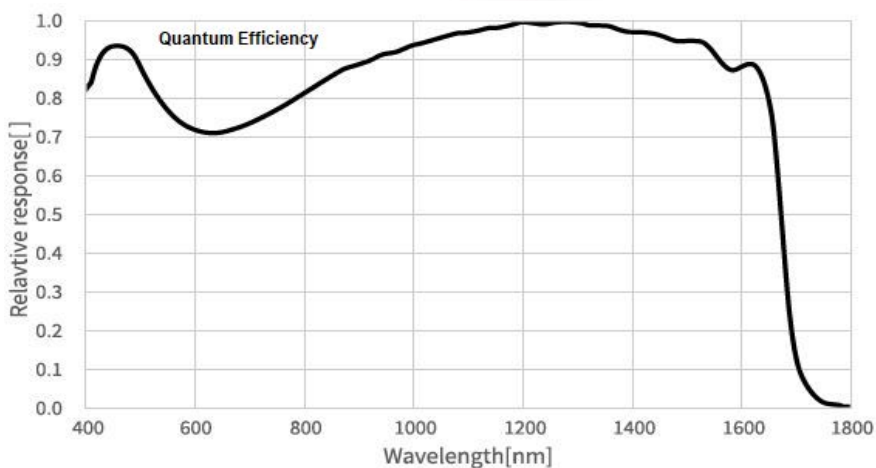
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Key Features:

- 640x 512 Pixel
- SONY IMX991
- 400nm –1700nm
- 50 μ 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) μm	5.0 x 5.0
Active Sensor Size (H x V) mm	3.20 x 2.56
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	50μs ~ 3600s
Frame Rate	400fps at 640x512, 753fps 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	80 x 80 x 62,9
Weight (without lens)	648g

Dimensions

