

EHD IMAGING GMBH

VIS-SWIR Camera

TE Cooled 0.3, 1.3 and 5.3 MP VIS-SWIR Camera USB3.0

SC990/991/992-TR-UMV

EHD imaging GmbH
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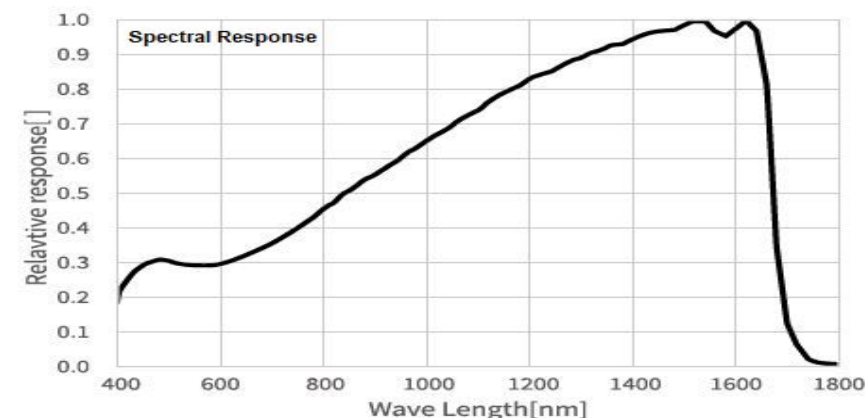
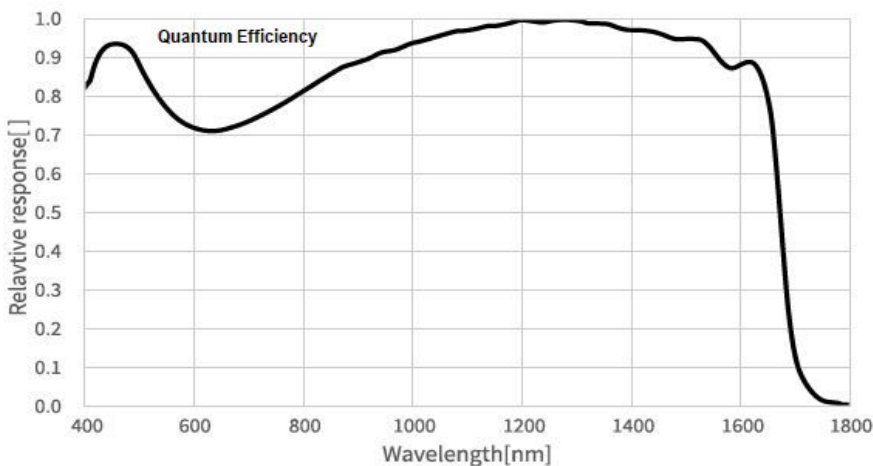
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Key Features:

- Up to 5.3MPixel
- SONY IMX990/991/992
- 400nm –1700nm
- 15 μ s—60s
- Up to 428fps (8bit)
- 8bit / 12bit
- 4GB Memory
- Global Shutter
- USB3.0 (Windows 10)
- C-Mount
- EHDView Software
- Software SDK
- ext. Trigger & GPIO's



Optional:

- VIS-SWIR Lenses
- Bandpass Filter

Specifications: SC990/991/992-TR-UMV

Image Sensor	Sony IMX990-AABJ-C	Sony IMX991-AABJ-C	Sony IMX992-AABJ-C
Resolution	1280 x 1024	640 x 512	2560x2048
Pixel Size (H x V) μm	5.0 x 5.0	5.0 x 5.0	3.45 x 3.45
Active Sensor Size (H x V) mm	6.4 x 4.8	3.20 x 3.20	11.4mm diag
Full Well	175.4ke-	176.2ke-	176.2ke
Dark Current	638e/s (20°C)	638e/s (20°C)	638e/s (20°C)
SNR max	52.25B	52.4dB	52.5dB
Readout Noise	197.6e	178.8e	178.e
Conversation Gain	42.8e/ADU	43.0e/ADU	43.0e/ADU
Sensitivity	121mV	121mV	121mV
A/D	8Bit /12bit	8Bit /12bit	8Bit /12bit
Exposure Control	15 μs ~ 60s	15 μs ~ 60s	15 μs ~ 60s
Frame Rate	223fps at 1280x1024, 428fps at 640x512 (8bit)	428fps at 640x512 , 807fps at 320x256 (8bit)	71fps at 2560x2048, 135fps at 1280x1024 (8bit)
Gain Range	1x-15x	1x-15x	1x-15x
Shutter	Global Shutter	Global Shutter	Global Shutter
Digital I/O	Trigger input/output	Trigger input/output	Trigger input/output
Binning	Software 2x2, 3x3, 4x4	Software 2x2, 3x3, 4x4	Software 2x2, 3x3, 4x4
Lens Mount	C-Mount	C-Mount	C-Mount
Operation Temperatur	-20°C ~ 60°C	-20°C ~ 60°C	-20°C ~ 60°C
Power Source	DC USB3 port powered Or external 12V DC	DC USB3 port powered Or external 12V DC	DC USB3 port powered Or external 12V DC
Power consumption	<2.11W	<2.11W	<2.11W
Dimensions (WxHxD) mm	33 x 33 x 38	33 x 33 x 38	33 x 33 x 38
Weight (without lens)	70g	70g	70g

Dimensions

