

EHD IMAGING GMBH

# 8.3MP CMOS-Camera

*8.3 Megapixel High-Sensitive CMOS Camera USB3.0 with Trigger*

## SCM585-NIR-TR

EHD imaging GmbH  
Zum Rennplatz 15  
D-49401 Damme

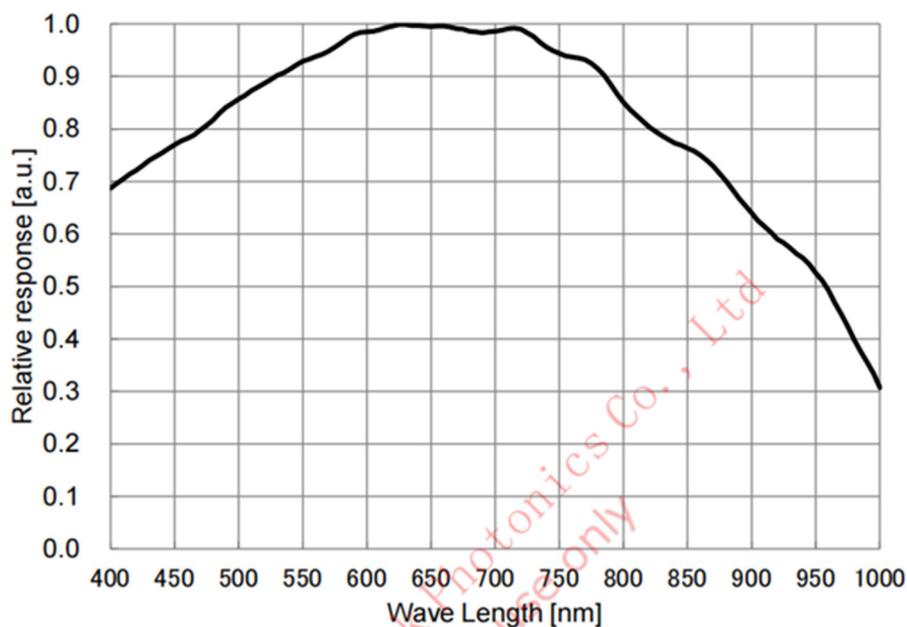
Phone: +49-5491-2090  
Fax: +49-5491-2098

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



### Key Features:

- 8.3 MPixel (3840x2160)
- Rolling Shutter
- 400nm –1200nm
- Low gain / High gain
- 30 $\mu$ s—15s
- 45 fps
- USB3.0 (Windows 10)
- Trigger I/O
- 2x GPIO's
- C Mount
- EHDView Software
- Software SDK



## Specifications: SCM585-NIR-TR

Image Sensor	1/1.2" Sensor Starvis 2
Resolution	3840 x 2160
Pixel Size (H x V) $\mu\text{m}$	2.9 x 2.9
Dynamic Range	72dB
Sensitivity	19120mV
Readout Noise	5.5e-
Dark Current	1.85e
A/D	8bit / 12bit
Conversion gain	high / low
Exposure Control	30 $\mu\text{s}$ ~ 15s
External trigger	1 opto-isolated input , 1 opto-isolated output, 2 GPIO
Frame Rate	45fps
Digital Binning	1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 7x7, 8x8
Lens Mount	C-Mount
Operation Temperatur	-10°C ~ 50°C
Power source	DC 5V USB port powered <7.7W or external power
Dimensions ( WxHxD) mm	68x68x28.1
Weight ( without lens )	217g

## SCM585-NIR-TR Dimensions

