

Preliminary



EHD IMAGING GMBH

Cooled sCMOS Camera

TE Cooled 16.8 MP sCMOS frontilluminated Camera with ext. Trigger

MaxCam-4040FI-TE

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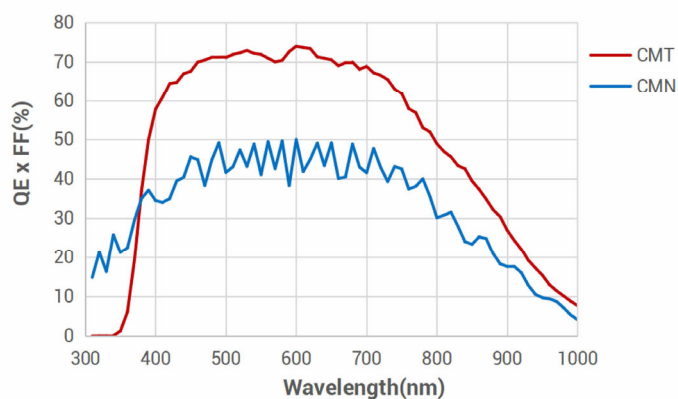
Key Features:

- 16,8MPixel
- GSENSE4040
- 400nm –1100nm
- 12 μ s—3600s
- 2-Stage Cooler dt 40°C
- 20 fps
- External Trigger I/O
- 2 GPIO's
- Rolling Shutter
- USB3.0 (Windows 10)
- M72x0.75
- USB3.0 Interface
- EHDView Software
- Software SDK

Optional:

- F-Mount Adapter

GSENSE4040 Spectral Response



Specifications: MaxCam-4040FI-TE

Image Sensor	3.2" GSENS4040 front illuminated
Resolution	4096 x 4096
Pixel Size (H x V) μm	9 x 9
Active Sensor Size (H x V) mm	36.9 x 36.9
Full Well	74.2ke-
Dark Current	12.2e-/s/pix @ 25°C
A/D	8/12/16bit
Exposure Control	12 μs ~ 3600s
Frame Rate	20 fps
TE Cooler	2-Stage -40°C below ambient
Conversion Gain	HCG / LCG / HDR
External Trigger	1 opto-isolated input , 1 opto-isolated output, 2 GPIO
Lens Mount	M72x0.75
Operation Temperatur	-10°C ~ 50°C
Power Source	DC 5V USB port powered, DC 19V extern TE-Cooler
Dimensions (WxHxD) mm	110 x 110 x 124
Weight (without lens)	1,9 Kg

Dimensions

