



# Fotonika



# OptoLab Cam

## VC400M-PAL/CL

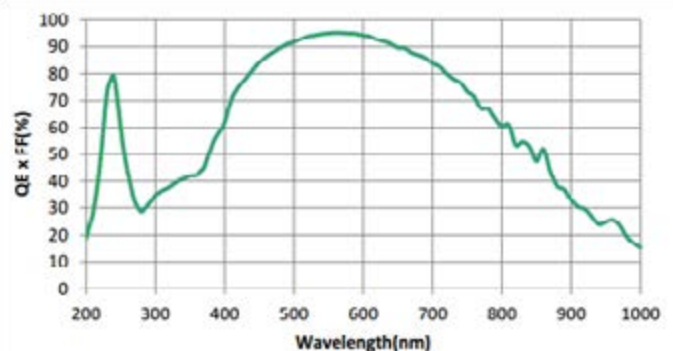
VC400 Camera is a highly sensitive camera with a big pixel size and large photosensitive area. It can be used in scientific experimentation, optical inspection systems, engineering measurements and automation, medicine, astronomy, for the night vision device replacement (based on the 3d generation of image intensifier).



### Specifications

Sensor	Back-illuminated CMOS
Pattern size, pixel	2048 x 2048
Sensor size, $\mu\text{m}$	11 x 11
Active region size, mm	22.5 x 22.5
Active region bias, mm	31.8
Well capacity, e-	90 000
Shutter	Rolling
Frame rate, Hz	Up to 23
Noise level, e-	1.6
Quantum efficiency (max.), %	96
Dark current (+25 °C), e-/c	25 e/c
Dark current (-20 °C), e-/c	<0.5
Capacity, bit	12
Maximum amplification	2 ACD count on the e <sup>-</sup>
Mount	E-mount, optional
External synchronization	Yes
Shutter timing	Yes
Horizontal synchronization and "slow" shift	Yes
Control Protocol	Open
Image data interface	PAL, Camera link BASE
Size (with cooling), mm	80 x 80 x 50
Size (without cooling), mm	80 x 80 x 50 D 125 x 100

### Camera's quantum efficiency



#### NPK Fotonika Representative in EU

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