



PROGRES GRYPHAX[®] KAPELLA



Technical data

Explore the micro universe –
colored in low light & bright field.

KEY FACTS

- Color microscope camera 2.3 MPix with 60 fps
- Pixel size 5.86 x 5.86 μm
- Full HD record at video speed
- Dynamic range 73.3 dB
- 1/1.2" SONY sensor (back-illuminated)
- Global shutter
- Software included

SYSTEM REQUIREMENTS

| | |
|------------------------------------|--------------------------------------------------------------|
| Personal computer | Intel i7 (Quad-Core) processor or comparable / 8 GB RAM |
| Operating system | WIN 7 / 8 / 10 MAC El Capitan LINUX Ubuntu 14.04 LTS |
| Data interface | USB 3.0 integrated, no extra power supply needed |
| Monitor resolution | 3840 x 2160 pixel or higher |
| Software (included in the package) | PROGRES GRYPHAX [®] (64 bit operating systems only) |

IMAGE SENSOR

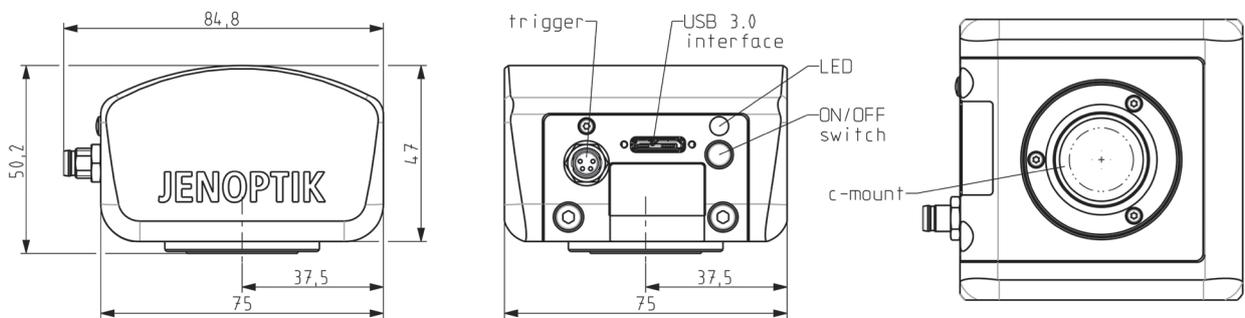
| | |
|------------------------------------------|------------------------------------------------|
| Type square utilised sensor diagonal | SONY back-illuminated CMOS 1/1.2" 13.27 mm |
| Pixel dimensions | 5.86 x 5.86 μm |
| Color or monochrome | Color |
| Transfer method shutter mode | All pixel scan Global shutter |
| Full sensor resolution | 1920 x 1200 pixel |

CAMERA

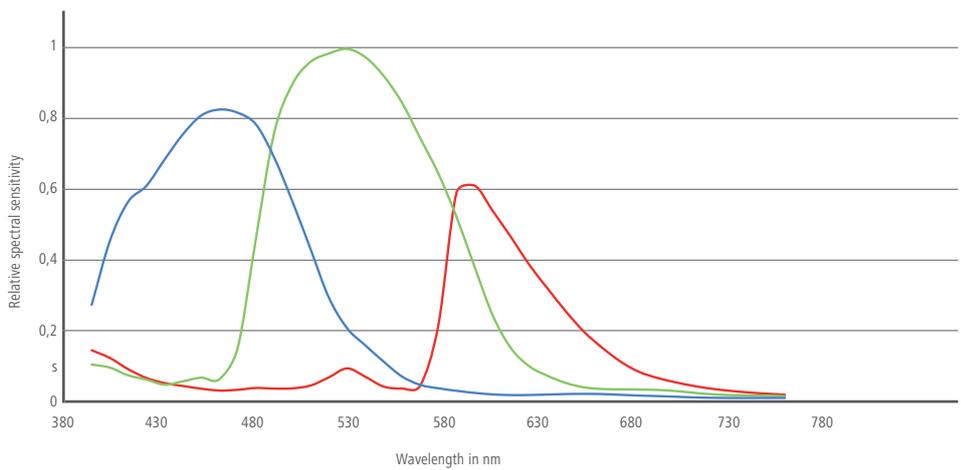
| | |
|----------------------------------|--------------------------------|
| Camera resolution in LIVE mode | 1920 x 1200 pixel (60 fps) |
| Camera resolution in RECORD mode | 1920 x 1200 pixel |
| Camera resolution in VIDEO mode | 1920 x 1080 pixel up to 60 fps |
| Exposure time min. - max. | 26 μs - 60 s |
| Gain | Max. 30 |
| A/D conversion | 12 bit (4096 grey values) |
| Absolute sensitivity threshold* | 7.0 e- |
| Saturation capacity* | 32.000 e- |
| Dynamic range* | 73.3 dB |

*based on EMVA 1288 standard compliance guidelines

| | |
|---------------------------------|----------------------------------|
| Filter | IR cut optional clear-glass |
| Hardware trigger | OUT |
| Power switch | Yes |
| Optical interface | C-mount |
| Power consumption | Appr. 4.5 W |
| Dimensions | 85 mm x 75 mm x 50 mm |
| Weight | Appr. 400 g |
| Storage options | -20°C up to +70°C |
| Operating temperature | +10°C up to +35°C non condensing |
| Warranty | 24 months |
| CE conformity / RoHS conformity | Yes |



MEASURED RELATIVE SPECTRAL SENSITIVITY*:



PROGRES GRYPHAX® KAPELLA IS AN PREMIUM SOLUTION FOR:

- Life science
- Quality control
- Material science
- Forensics

*based on EMVA 1288 standard compliance guidelines / effective spectral sensitivity on request