JENOPTIK GRYPHAX® WEGA

Explore your micro universe – monochrome in Full HD.

Camera properties
- Sensor Size
- Sensitivity
- Frame Rate
- Resolution

Recommended: Applications
- Life & Medical Science
- Education Life & Medical Science
- Material & Manufacturing
- Education Material & Manufacturing
- Fluorescence
- Education Fluorescence

Contrast techniques
- BF
- DF
- DIC
- Ph
- Pol
**JENOPTIK GRYPHAX® WEGA - technical data**

**Superior solution for fluorescence, life & medical science, material & manufacturing applications**

### IMAGE SENSOR
- Type: Square Utilised sensor diagonal
- SONY back-illuminated CMOS 1/1.2" 13.3 mm
- Pixel dimensions: 5.86 x 5.86 μm
- Color: Monochrome
- Transfer method: All pixel scan / global shutter

### CAMERA
- **Camera resolution & speed in LIVE mode**: 1920 x 1200 pixel / 30 fps
- **Camera resolution in RECORD mode**: 1920 x 1200 pixel
- **Camera resolution & speed in VIDEO mode**: FULL HD - 1920 x 1200 pixel up to 25 fps
- **Exposure time**: LIVE min. - max. 26 μs - 1 s
- **Exposure time**: RECORD min. - max. 26 μs - 30 s
- **Gain**: Max. 30
- **Cooling**: NO
- **A/D conversion | digital output**: 12 bit (4096 grey values) | 16 bit
- **Absolute sensitivity threshold**: 6.0 e-
- **Quantum Efficiency @ 532 nm (green)**: 0.65 QE (λ)
- **Dark Noise [DN / e-]**: 1.3 DN / 5 e-
- **Saturation capacity**: 15 900 e-
- **Dynamic range**: 69 dB
- **Filter**: Clear-glass | optional IR cut
- **Power consumption**: Appr. 4.5 W
- **Weight**: Appr. 400 g
- **Power switch**: Yes
- **Optical interface**: C-mount
- **Dimensions**: 85 mm x 75 mm x 50 mm
- **Storage options**: -20°C up to 70°C
- **Operating temperature**: +10°C up to +35°C non condensing
- **Warranty**: 24 months
- **Conformity to CE / WEEE / RoHS / China RoHS**: Yes

### RECOMMENDED SYSTEM REQUIREMENTS
- **Personal computer**: Intel i7 Quad-Core (min. 3.0 GHz) processor | 8 GB RAM
- **Operating system**: -64 Bit Win 7 SP1 / Win 8.1 / Win 10 | MacOS High Sierra / Mojave | Linux Ubuntu 16.04 LTS
- **Data interface**: USB 3.0 integrated, no extra power supply needed
- **Monitor resolution**: 1920 x 1200 or higher
- **Software (included in the package)**: Microscope software - GRYPHAX APP / Twain APP / DirectX APP / Software development kit

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**Measured spectral sensitivity**:  
**Absolute**

![Measured spectral sensitivity - Absolute](image)

**Relative**

![Measured spectral sensitivity - Relative](image)

*Based on EMVA 1288 standard compliance guidelines*