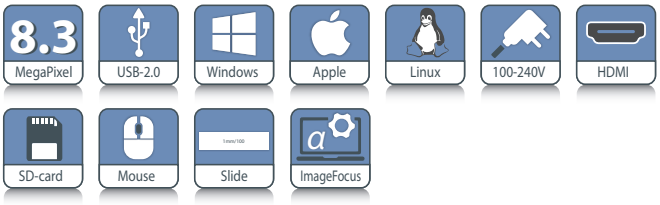
euromex microscopes holland

# UHD-4K camera
## VC.3042 / VC.3042-HDS

## HIGHLIGHTS

- Ultra HD /4K, 8.3 MP
- 1/1.8 inch color 4K Sony sensor
- 3840 x 2160 pixels, 30 fps
- Real time images directly on TV, monitor or beamer
- Stand alone or used via PC or Mac
- C-mount interface
- 4K HDMI 1.4 standard
- Works with ImageFocus Alpha software

*VC.3042 / VC.3042-HDS*




## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Sensor** | Sony IMX334 CMOS sensor |
| **Format** | 1/1.8" (7.68 x 4.32) |
| **Pixels** | 3840 x 2160 pixels, HDMI 1.4 standard, 30fps@4K or 30fps@1080P; |
| **Pixel size** | 2.0 x 2.0 µm |
| **Video recording** | 8.3 MP (3840 x 2160) H264/H265 encoded MP4 file |
| **Image capture** | 8.3 MP (3840 x 2160) JPEG/TIFF image in SD card |
| **HD screen (VC.3042-HDS)** | 11.6" |
| **Scan mode** | Progressive scan, rolling shutter |
| **Sensitivity** | 505 mv |
| **Color rendering (bits)** | 36 |
| **Noise** | 3D algorithm |
| **Signal/Noise (db)** | 40.5 |
| **Exposure** | Automatic/ manual |
| **White balance** | Manual/ Auto/ ROI White Balance |
| **Interface** | HDMI, USB-2, Ethernet, WiFi |
| **Storage** | 32 GB, SD card included (max. 128 GB) |
| **Camera buttons** | On/ Off |
| **Mounting** | C-mount |
| **Power supply** | DC 12V/1A adapter |
| **Humidity** | 30~80%RH |
| **Operation temperature** | -10~ 50°C, |
| **Storage temperature** | -20~ 60°C |
| **Supplied with** | 0.5x objective with C-mount, 30 and 30.5mm adapters for stereo microscopes, 12V/1A power adapter, HDMI cable, USB mouse , SD-card, WiFi-dongle, USB-2 cable (a male to male), 76 x 24 mm calibration slide (1mm/100), user manual, carton box |

| | |
|---|---|
| **PC software** | Works with ImageFocus Alpha imaging and measuring software for Windows 10, 11 (32 and 64 bit configurations) and Linux. A Mac OS version is also supplied (with a few differences in features) |
| **PC requirements** | Equal to Intel Core 2, 2.8 GHZ or higher, 2 GB memory, USB-2 |
| **Product number** | VC.3042 / VC.3042-HDS |

### EMBEDDED SOFTWARE

*(displayed on screen, no need for a computer)*

- Capture images and videos to SD
- Playback images and videos from SD
- Measurements (like Angle, Line, Horizontal Line, Vertical Line, Rectangle, Circle, Ellipse, Annulus, Two Circles, Polygon, Curve, etc)
- Compare images
- Grids
- Digital zoom in/out
- Flip
- Freeze
- Camera settings (white balance, color control etc)

*WiFi dongle*

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