

# UHD-4K camera

## VC.3045 / VC.3045-HDS

### HIGHLIGHTS

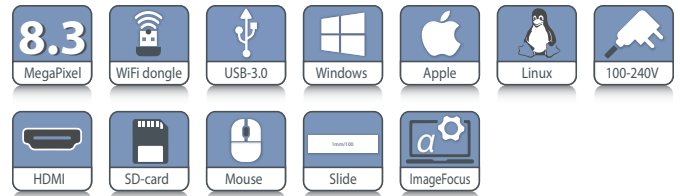
- Ultra HD /4K, 8.3 MP
- 1/1.8 inch color 4K Sony sensor
- 3840 x 2160 pixels, 60 fps
- Real time images directly on TV, monitor or beamer
- Stand alone or used via PC or Mac
- C-mount interface
- 4K HDMI 2.0 standard
- Works with ImageFocus Alpha software



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### TECHNICAL SPECIFICATIONS

<b>Sensor</b>	Sony IMX678 CMOS sensor
<b>Format</b>	1/1.8" (7.68 x 4.32)
<b>Pixel size</b>	2.0 x 2.0 μm
<b>Resolution HDMI 2.0</b>	60@3840*2160 and 60@1920*1080*
<b>Resolution USB-3</b>	30@3840*2160, 45@2688*1512 and 60@1920*1080*
<b>Resolution WiFi &amp; LAN</b>	30@3840*2160, 60@1920*1080 and 60@1280*720*
<b>Resolution video</b>	60@3840*2160 and 60@1920*1080*
<i>*(Frame rates have been determined at optimal conditions)</i>	
<b>Image capture</b>	8.3 MP (3840 x 2160) JPEG/TIFF image on SD card or USB flash drive (not included)
<b>Video recording</b>	8.3 MP (3840 x 2160) H264/H265 encoded MP4 file
<b>HD screen (VC.3045-HDS)</b>	13"
<b>Scan mode</b>	Progressive scan, rolling shutter
<b>Sensitivity</b>	3541 mv with 1/30 s
<b>Color rendering (bits)</b>	36
<b>Noise</b>	3D algorithm
<b>Signal/Noise (db)</b>	40.5
<b>Dynamic range (db)</b>	48
<b>Exposure</b>	Automatic/ manual
<b>White balance</b>	Manual/ Auto/ ROI White Balance
<b>Interface</b>	HDMI, USB-3*, LAN, WiFi
<i>* USB 2 compatible but limitations in speed and resolution</i>	
<b>Storage</b>	32 GB, SD card, included (max. 128 GB) Max. 32 GB flash drive, not included
<b>Camera buttons</b>	On/ Off
<b>Mounting</b>	C-mount
<b>Power supply</b>	DC 12V/1A adapter
<b>Humidity</b>	30~80%RH
<b>Operation temperature</b>	-10~ 50°C,
<b>Storage temperature</b>	-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-3 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 and higher (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-3
- Product number** VC.3045 / VC.3045-HDS

### EMBEDDED SOFTWARE

(displayed on screen, no need for a computer)

- Capture images and videos to SD (or flash drive)
- Playback images and videos from SD (or flash drive)
- 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)

Suitable for all Euromex microscopes and most Zeiss, Leica, Olympus and Nikon models. See our adapters on our website



WiFi dongle ●



www.euromex.com

