

UHD-4K-16 camera

VC.3048 / VC.3048-HDS

HIGHLIGHTS

- Ultra HD /4K, 16 MP
- 1/1.1 inch color 4K Sony sensor
- 5440 x 3060 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 2.0 standard
- Works with ImageFocus Alpha software



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TECHNICAL SPECIFICATIONS

Sensor	Sony IMX283 CMOS sensor
Format	1/1.1"
Pixel size	2.4 x 2.4 µm
Resolution HDMI 2.0	30@3840*2160 / 30@1920*1080*
Resolution USB-3	20@5440*3060 / 30@2688*1512 / 30@1920*1080*
Resolution WiFi & LAN	30@3840*2160 / 30@1920*1080 / 30@1280*720*
Resolution video	30@3840*2160 / 30@1920*1080 / 30@1280*720*
*(Frame rates have been determined at optimal conditions)	
Image capture	16 MP (5440 x 3060) JPEG/TIFF or RAW image on SD card or USB flash drive (not included)
Video recording	8.3 MP (3840 x 2160) H264/H265 encoded MP4 file
HD screen (VC.3048-HDS)	13"
Scan mode	Progressive scan, rolling shutter
Sensitivity	1847 mV with 1/30 s
Color rendering (bits)	36
Noise	3D algorithm
Signal/Noise (db)	40.6
Dynamic range (db)	48
Exposure	Automatic/ manual
White balance	Manual/ Auto/ ROI White Balance
Interface	HDMI, USB-3*, Ethernet, WiFi
* USB 2 compatible but limitations in speed and resolution	
Storage	32 GB, SD card, included (max. 128 GB) Max. 32 GB flash drive, not included
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	1x 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.3048 / VC.3048-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

