

# UHD-4K camera

VC.3040 / VC.3040-HDS

## HIGHLIGHTS

- Ultra HD 2160p, 8.3 MP, 1/8 inch color 4K Sony sensor
- 3840 x 2160 pixels, 60 fps, H264 codec
- ADC 16 bits, color depth 36 bits
- Real time images directly on TV, monitor or beamer
- Stand alone or used via PC
- Built-in mouse-driven software
- C-mount interface
- 4K HDMI 2.0 standard
- 2061p/1080p automatic switching
- Gigabit ethernet, USB-3, Wifi LAN
- SD memory card
- Equipped with ImageFocus Alpha software



● VC.3040 / VC.3040-HDS

## TECHNICAL SPECIFICATIONS

<b>Sensor</b>	4K Sony
<b>Format</b>	1/1.8", HDTV 2160p
<b>Pixels</b>	3840 x 2160 (capture mode) HDMI 60 fps, USB 30 fps
<b>Pixel size</b>	2.0 x 2.0 $\mu\text{m}$
<b>Video</b>	2160 pixels video recording mode
<b>Scan mode</b>	Progressive scan, rolling shutter
<b>Noise</b>	Standard noise reduction
<b>Sensitivity</b>	505 mV
<b>Exposure</b>	Automatic/ manual
<b>White balance</b>	Automatic/ manual/ ROI
<b>S/N Max</b>	44
<b>Interfaces</b>	Digital HDMI, USB-3, GbE ethernet, WiFi
<b>Storage</b>	High speed 16GB SD Memory card (larger capacity SD cards are optional, max 32 GB)
<b>Camera buttons</b>	On/ Off
<b>Mounting</b>	C-mount interface
<b>Power supply</b>	100-240 Vac to 12Vdc/1A
<b>Humidity</b>	10~60 % humidity
<b>Operation temperature</b>	-10~ 50 ° Celsius
<b>Storage temperature</b>	-20~ 60° Celsius
<b>Supplied with</b>	0.5x objective with C-mount, 30 mm and 30.5 mm adapters for stereo microscopes, 12 V/1 A power adapter, 16 GB SD card, Micro USB Synchronous cable 1.5 M, HDMI cable, USB mouse, 76 x 24 mm calibration slide (1mm/100), CD ROM with ImageFocus Alpha software, carton box



<b>PC software</b>	Supplied with ImageFocus Alpha imaging and measuring software for Windows 7/ 8/ 10 (32 and 64 bit configurations). A Mac OS version is also supplied (with a few differences in features)
<b>PC requirements</b>	Compatible with Intel Core 2, 2.8 GHZ or higher, 2 GB, USB-3 (also compatibel with USB-2)
<b>Product number</b>	VC.3040 / VC.3040-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
- Pause
- Camera settings (white balance, color control etc)