

UHD-4K Lite 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
- Supplied with ImageFocus Alpha software



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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	standard noise reduction
Signal/Noise (db)	40.5
Exposure	Automatic/ manual
White balance	Manual/ Auto/ ROI White Balance
Interface	HDMI, USB-2
Storage	16 GB, SD card 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	0.5x objective with C-mount, 30 and 30.5mm adapters for stereomicroscopes, 12V/1A power adapter, HDMI cable, USB mouse , SD-card, USB-2 cable (a male to male), 76 x 24 mm calibration slide (1mm/100), CD ROM with ImageFocus Alpha software, user manual, carton box



PC software	Supplied with ImageFocus Alpha imaging and measuring software for Windows 7/ 8/ 10 (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)

