

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



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TECHNICAL SPECIFICATIONS

Sensor	4K Sony
Format	1/1.8", HDTV 2160p
Pixels	3840 x 2160 (capture mode) HDMI 60 fps, USB 30 fps
Pixel size	2.0 x 2.0 µm
Video	2160 pixels video recording mode
Scan mode	Progressive scan, rolling shutter
Noise	Standard noise reduction
Sensitivity	505 mV
Exposure	Automatic/ manual
White balance	Automatic/ manual/ ROI
S/N Max	44
Interfaces	Digital HDMI, USB-3, GbE ethernet, WiFi
Storage	High speed 16GB SD Memory card (larger capacity SD cards are optional, max 32 GB)
Camera buttons	On/ Off
Mounting	C-mount interface
Power supply	100-240 Vac to 12Vdc/1A
Humidity	10~60 % humidity
Operation temperature	-10~ 50 ° Celsius
Storage temperature	-20~ 60° Celsius
Supplied with	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



- PC software** 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)
- PC requirements** Compatible with Intel Core 2, 2.8 GHZ or higher, 2 GB, USB-3 (also compatibel with USB-2)
- Product number** 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)