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

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 compatible 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)