HD-Pro HDMI camera
VC.3038 / VC.3038-HDS

HIGHLIGHTS
• HD 1080p high definition video camera
• Real time images directly on screen
• Stand alone or used via PC or simultaneous use
• Built-in mouse-driven software
• C-mount interface
• HDMI, USB-2 and SD memory card
• Compatible with ImageFocus Alpha software
• HDMI 2.0 MP CMOS high sensitive sensor
• Available with 11.6” HD screen (VC.3038-HDS)

TECHNICAL SPECIFICATIONS

Sensor
ONY IMX290 CMOS

Format
1/2.8”, HDTV 1080p (50/60Hz)

Pixels
1920 x 1080 pixels (capture mode)

1920 x 1080 pixels (live view), HDMI 60 fps, USB 26 fps

Pixel size
2.9 x 2.9 μm

Video
1080p pixels video recording mode

Video Output
Digital HDMI, USB-2

Scan mode
Progressive scan, rolling shutter

Exposure
Automatic/manual

White balance
Automatic/manual/ ROI

Sensitivity
1300mV with 1/30s

Noise
Standard noise reduction

Color rendering
24

Signal/Noise (db)
38

Dynamic (db)
66

Interfaces
Digital HDMI, USB-2

Storage
High speed 16 GB SD card included (32GB max)

Camera buttons
On/ Off

Mounting
C-mount interface

Power supply
DC 12V/1A Adapter

Operation
-10– 50 C, 30~80% relative humidity

Storage temperature
-20– 60 C, 10–60% relative humidity

PC software
Supplied with ImageFocus Alpha imaging and measuring software for Windows 7/8/10 (32 and 64 bit configurations)

PC requirements
Compatible with Intel Core 2, 2.8 GHZ or higher, 2 GB, USB-2

Supplied with
0.37x 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

Productnumber
VC.3038 / VC.3038-HDS

EMBEDDED SOFTWARE
(displayed on TV, no need for 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.)