

USB & HDMI Dual Output Tabletop Microscope HD31

Description

The HD31 is an HDMI/USB microscope, equipped with 3.5 megapixels camera. With the options of working standalone with an HDMI monitor or television, and as a Windows computer-driven USB camera, it offers great flexibility. The HDMI interface provides a 1080p live view with on-screen imaging controls for capturing photos up to 3.5MP, and 720p video. An internal mechanism allows for manual focus-adjustment, providing a wide range of working-distances. With the single-lock articulating arm, the microscope can be used from virtually any angle. The double-layer LED ring-light can provide both even lighting, and shadow-sculpted depth. The aluminum base has a highly-resilient top-layer which prevents scratching.

Features

- 3.5MP HDMI/USB microscope with a single-lock articulating arm
- High definition 1080P HDMI or 3.5 MP USB output
- Streaming 1080P HDMI output direct to monitor or TV
- 1080p HDMI live-view and 720p video recording
- Double-layer LED ring-light
- Auto white balance for color accuracy
- Requires MicroSD (TF) card for stand-alone operation (not included)

Software



Pixit Pro: Measuring Software for Microsoft Windows 7, 8, 10



Specifications

Model	HD31
Working Distance	30mm to 145mm
Minimum FOV	4.9mmx2.7mm @ 1920x1080
Maximum FOV	27mmx15mm @ 1920x1080
Camera Sensor	1/3", Aptina AR0330
Camera Resolution	3.5 MP (2304x1536)
Pixel Size	2.2µm x 2.2µm
Dynamic Range	69.5dB
Spectral Response	380-650nm
Frame Rate	30fps@3.5MP, 60fps@1080P
Exposure	Automatic, Manual
White Balance	Automatic, Manual
Software Interface	DirectShow
Capture Mode	Picture & Video (JPG and AVI)
Optical Interface	C Mount
Software Interface	Directshow
Charge Interface	Micro USB, DC 5V 2A
Storage	MicroSD Card, Max.64GB
Software	Pixit Pro (USB)
Power Supply	USB 5V 500mA
Support	7" articulating arm
Weight	600g

Dimensions

