

# INFINITYHD

## High Definition Color Microscopy Camera

### Full featured, standalone, high definition scientific imaging solution

The INFINITYHD high definition CMOS color microscopy camera is a full featured, standalone, high definition scientific imaging solution offering full 1080p60 preview with superb color reproduction and extremely fast frame rates streaming direct to monitor.

Operate the camera by directly connecting to a monitor without connecting to a PC, or utilize the plug-and-play USB 2.0 image capture. With extremely fast response times, the INFINITYHD quickly reacts to lighting changes in any life science, clinical or material application. Video output over HDMI connector to either a DVI or HDMI monitor. 3 on-camera buttons allow easy access to power, white balance and image capture.

#### SUPERIOR COLOR REPRODUCTION

The INFINITYHD features specialized color algorithms ensuring excellent color reproduction. This results in a sample preview on a monitor that closely matches the view on the microscope eyepiece.

#### FULL FRAME RATES

The INFINITYHD camera provides the required 60 fps for true high definition, unlike many competitors professing to be HD but offering considerably lower frame rates. This allows for smooth manipulation on the preview without any lag.

#### INFINITYHD SOFTWARE

The included INFINITYHD software allows for image capture. The software is intuitive and can be set up in minutes. Once the camera is initially installed, the camera can run independently or used via the high-speed USB 2.0 connection.

#### FEATURES

- › 1/3" (16:9) CMOS 2 megapixel sensor
- › 1080p60 high definition format 1920 x 1080
- › Direct output to monitor
- › 3 on-camera buttons for power, white balance and capture



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## Camera Controls

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Mass:	330 g
Power Requirement:	USB bus power (or external 5 V DC, 500 mA)
Power Consumption:	~2.5 W
Operating Temperature:	0 to 50 °C
Operating Humidity:	5 to 95 %, Non-condensing
Exposure Range:	Not applicable to HD
Exposure Control:	Not applicable to HD
White Balance:	One shot automatic control (with INFINITYHD)
Gain Range:	Not applicable to HD
Interface Connector:	HDMI Connector
Dimensions (L x W x H):	2.25 x 3.85 x 1.56 inch
Lens Mount:	Adjustable C-Mount standard

## Camera Sensor

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Image Sensor:	1/3" CMOS, color, progressive scan
Effective Pixels:	1920 x 1080, 2.7 µm square pixels
Frame Rate:	60 fps at 1920 x 1080
Dynamic Range:	65 dB
Bit Depth:	8-bit
Read Noise:	8.7 e-