

# TrueChrome HD

Tucsen's milestone TrueChrome HD color microscopy camera is a full featured, standalone, HDMI scientific imaging solution offering full 1080p60 preview with perfect color reproduction and extremely fast frame rate streaming direct to monitor.

It is allowed to operate the camera by directly connecting to a monitor without a PC and save image into on board microSD card, or utilize as a standard USB 2.0 camera.

TrueChrome HD quickly reacts to lighting changes in any life science, clinical or material applications. With video output via HDMI connector, the on-camera buttons allow easily access to feature settings.



HDMI output



USB2.0 output



Micro SD Card storage

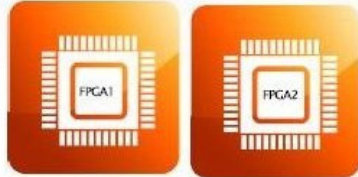
## Technical Specifications:

- HDMI C-mount camera
- Frame speed 60 fps
- Live resolution 1920x1080
- Still resolution 3264x1836
- Video record: 720P 12.5fps
- Output HDMI, USB2.0, microSD
- Parameter button (1) Exposure, White balance, Gamma Gain, Sharpness, Saturation, Contrast
- Parameter button (2) Cross line, image comparison, Image freeze
- Operation system support: XP and later, Mac OS X
- Software: ISCapture full parameter control



## HDMI+USB2.0+microSD output

Multiple output options are available for this powerful HDMI camera. HDMI 1080P, USB2.0, or SD memory card can be chosen as the individual output or three outputs are used **SIMULTANEOUSLY**.



## Dual FPGA Processors Inside

With innovative Dual FPGA processor architecture design, FPGA1 for truechrome image quality processing and FPGA2 for image output controlling, Truechrome HD camera ensures the high-speed preview but without sacrificing the image quality. It is the most powerful HDMI camera you deserve to have.



## Smart Presentation

Camera parameters as exposure time, white balance and gain are designed to automatic operation in default status. Automatic optimum configuration is expected to be done in 0.015 seconds, and you'll find the camera is easily managed even for the first time.

## PC to TV

Images are displayable on PCs and HDMI installed TVs. All parameters can be controlled by the computer to make them adjusted to actual situations. That is advantageous in teaching&meeting application.



## On-board Video Saving

MicroSD card can not only save still image, but also is competent to save dynamic images in 720P color definition, that the motion trails are recorded in fast speed and intact form.

