

DIGITAL CAMERA IN 2012

Description

The Smallest, but most powerful New Digital Camera in 2012! MCHD1 HDMI Multi-Mode microscope camera, size only 4x4x4.5cm, is a 1080p/720p HD scientific grade image processing project that has ultra superior color reproduction and super fast frame speed. Its functions can be independent utilized.

MCHD1 can be operated on HDMI screen independently or process image via USB2.0 without connecting with PC. The fast change responding speed and short responding time of the optical signal adopted by MCHD1 has been used in many areas like optical image processing fields.



Specification

Model	2012
Image Sensor	CMOS, Color, Progressive scan
Optical Format	1/2.5-inch(4:3)
Active Image Siza	5.70mm(H)x4.28m(V)
Active Pixels	2592Hx1944V
Pixel Size	2..2x2.2μm
Shutter Type	Global reset release(GRR), snapshot only, electronic rolling shuttrt(ERS)
Color Filter Array	RGB bayer pattern
ADC Resolution	12-bit
SNRMAZ	38.1db
Pixel Dynamic Range	70.1db
Operating Temperature	-30°C to +50°C
Photo Resolution	2592x1944/1920x1080/1280x720. Selectable resolutions for capturing images
Video Size	720P/30fps
Exposure Setting	Automatic/manual
White Balance Setting	Automatic/manual/Preset:3 modes for the color temperature of light scource, one-press button control AWB
Dta Interface	HDMI/USB2.0/Mini SD 4G included
Control Interface	Plastic button control
Lens Mount	Adjuctable C-mount standard
Operating Systems	Windows XP/Vista/ Win7(32 and 64-bit) under USB2.0 mode
Measuring Software	VMS3.5, Multi languages
Power Supply	5V DC/2A

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