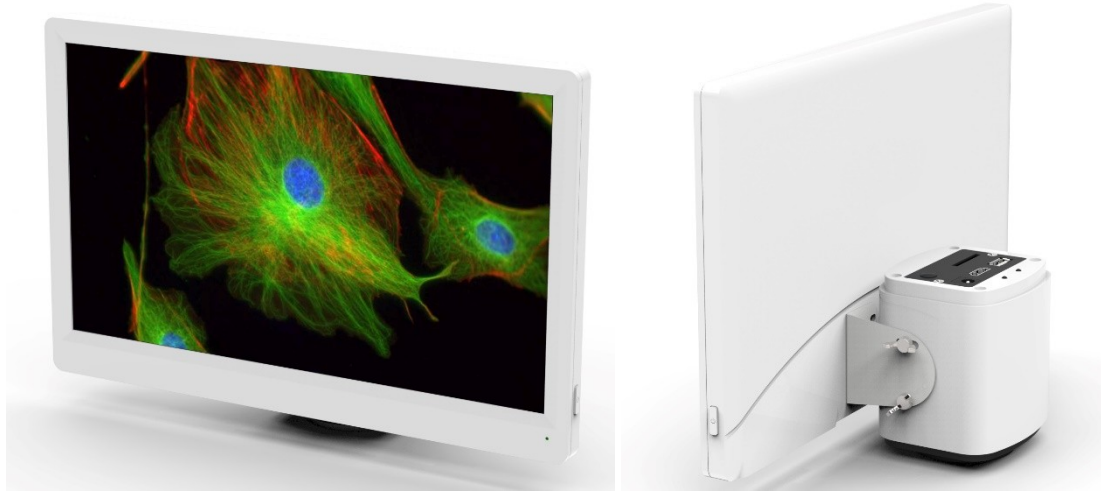# BLC-600/BLC-600+ HD LCD Digital Camera

Introduction

BLC-600/BLC-600+ HDMI LCD Digital Camera is a brand new high performance and highly cost-effective, super reliable HD LCD camera which combines an full HD camera and a retina HD LCD screen.

With the built-in software, the BLC-600/BLC-600+ can be controlled by a mouse to take pictures, take videos and do simple measurement. Equipped with Sony COMS sensor and 11.6" retina HD LCD screen, it is developed specifically for different microscopy applications.

Feature

1. Control camera with mouse from USB port, no shaking.
2. 11.6" retina HD LCD Screen, high definition and high quality color reproduction.
3. 6.0MP still image capture and 1080P Video Recording.
4. Save image and video to SD card.
5. HDMI Output from the camera to the LCD screen, frame rate up to 60fps.
6. Also can be connected to PC and take picture, take video, do measurement and analyze images.
7. Standard C-mount Interface for different microscopes.
8. Measurement function. When it is connected to LCD monitor, BLC-600 has simple measurement function, only can measure line length. BLC-600+ has complete measurement function when it is connected to LCD monitor.

Application

BLC-600/BLC-600+ HDMI LCD digital camera can be widely used in medical diagnosis, industrial production and inspection, laboratory research and related microscopy field for image, video capture and analysis. With the high image quality and easy to operate, it will be your best assistant.
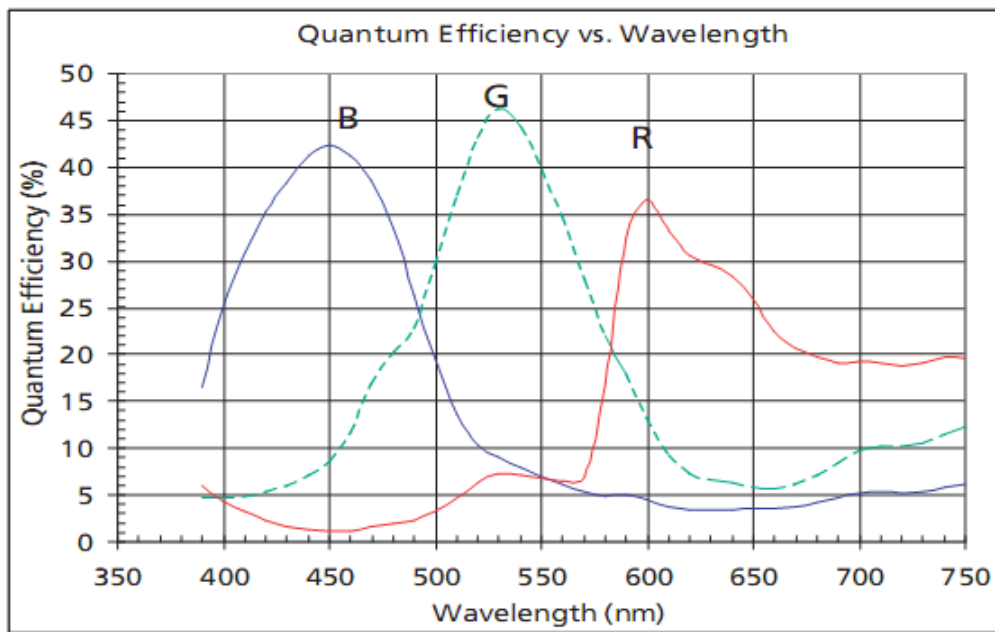
1. Live Cell Imaging
2. Surgical Microscopic Imaging
3. Pathology
4. Cytology
5. Defect Analysis
6. Semiconductor Inspection
7. Navigation for Processed Imaging
8. Industrial Optical HD Digital Imaging
9. Astronomical Observation

Specification

Model		BLC-600	BLC-600+
HDMI Camera	Image Sensor	CMOS, Sony IMX307	CMOS, Sony IMX307
	Chip Size	1/2.8"	1/2.8"
	Pixel Size	2.9um × 2.9um	2.9um × 2.9um
	Video Resolution	1920 × 1080	1920 × 1080
	Captured Image Resolution	3264 × 1836 on SD card to LCD monitor, 1920 × 1080 and 3264 × 1836 with software to PC	3264 × 1836 on SD card to LCD monitor, 1920 × 1080 and 3264 × 1836 with software to PC
	Frame Rate	1920 × 1080 30fps via USB2.0 1920 × 1080 60fps via HDMI	1920 × 1080 30fps via USB2.0 1920 × 1080 60fps via HDMI
	Data Record	High speed SD Card (8G)	High speed SD Card (8G)
	Video Record	1080p 30fps in SD Card 1080p 30fps in PC	1080p 30fps in SD Card 1080p 30fps in PC
	Scan Mode	Progressive	Progressive
	Electronic Shutter	Electronic Rolling Shutter	Electronic Rolling Shutter
	A/D conversion	12 bit	12 bit
	Color Depth	24bit	24bit
	Sensitivity	510mV	510mV
	Dynamic Range	68dB	68dB
	S/N ratio	52dB	52dB
	Exposure time	0.001 sec ~ 10.0 sec	0.001 sec ~ 10.0 sec
	Exposure	Auto/Manual	Auto/Manual
	White balance	Auto	Auto
	Settings	Gain,Gamma,Saturation,Contrast, scale bar function	Gain,Gamma,Saturation,Contrast, scale bar function
	Measurement Function when connected to LCD Monitor	Simple measurement function, only line	Complete measurement function, including Anchor Point, Line, Freehand Line, Rectangle, Circle, Polygon, Point-line Distance, Concentric Circles, Bicircle, Angle etc.

	PC software	ISCapture	ISCapture
	Output model 1	USB2.0	USB2.0
	Output model 2	HDMI	HDMI
	System Compatible	Windows XP/Vista/Win 7(32 and 64-bit),MAC OSX	Windows XP/Vista/Win 7(32 and 64-bit),MAC OSX
	Optical port	C- Mount	C- Mount
	Power Supply	DC 12V /2A	DC 12V /2A
	Operational Temperature	0-60°C	0-60°C
	Humidity	45%-85%	45%-85%
	Storage Temperature	-20-70°C	-20-70°C
Retina Screen	Screen Size	11.6 inch	11.6 inch
	Aspect Ratio	16:9	16:9
	Display Resolution	1920 × 1080	1920 × 1080
	Display Type	IPS-PRO	IPS-PRO
	Brightness	320cd/m2	320cd/m2
	Static Contrast Ratio	1000:1	1000:1
	Input	1*HDMI PORT	1*HDMI PORT
	Power Supply	DC 12V /2A External Adapter	DC 12V /2A External Adapter
	Dimension	282mm×180.5mm×15.3mm	282mm×180.5mm×15.3mm
	Net Weight	600g	600g

Characteristic Curve of Photographic Transmission

Sample Images