HIGH-DEFINITION
VIDEO INSPECTION SYSTEM

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*

BVIS-100HD

49/39, Site IV Ind Area, Sahibabad, Ghaziabad - 201010,
Uttar Pradesh, India

www.banbrosindia.com

DESCRIPTION:

BVIS-100HD High Definition Single Tube Zoom microscope is of the optical system providing high resolution, sharp image and strong stereoscopic impression. 0.7X-4.5X zoom image can be observed by easily operating.

It is a good microscope used in semiconductor and integrated circuit inspection and measurement. It is also used in educational demonstration and agricultural research.

FEATURES:

- Eyepiece WF10x
- Zoom Objective 5x~30x
- Input Power 110V or 220V
- Suitable for Auto mobile industry, Medical research, Geological analysis, Educational experiments & Electronic industry fields etc.

TECHNICAL SPECIFICATIONS:

Model No.	BVIS-100HD
Eyepiece	10x
Zoom Ratio	1:6.5
Range of Zoom Magnification	0.7x ~ 4.5x
Total Magnification	7x ~ 45x
Working Distance	90mm
Focusing Range	55mm
Raising Range	90mm
Illumination	LED ring light

OPTIONAL ACCESSORIES:

- CCD Camera or Digital camera with frame grabber card
- High resolution black & white / Colour monitor
- Computer system
- Dark field attachment with jewel tweezers
- Fluorescent ring illuminator 10W
- Fibre optic illuminator Y & O type
- White / Black working plate
- Frosted glass working plate
- Halogen bulb 6v 20w

INDUSTRIAL DIGITAL USB MICROSCOPIC CAMERA:

BMEX-Series can be easily inserted into eyepiece tube of microscope. The Digital Micro-Image Displays Immediately on computer or notebook PC. This camera ranges is an ultra-high performance CMOS camera and it adopts ultra-high performance CMOS sensor as the image-picking device. USB2.0 is used as the data transfer interface. The camera hardware resolutions range from 2M.P, 5M.P, 12M.P and comes with the integrated zinc aluminium alloy compact housing. It comes with advanced video & image processing application ultracam, providing Windows/Linux/OSX multiple platform SDK; Native C/C++, C#/VB.NET, DirectShow, Twain Control API. It can be widely used in bright-field light environment and microscope image capture and with moderate frame rate.

BMEX-Series

It can provide support for detail image demonstration and analysis/application, including following function:

- Take Photo and Save Picture into Computer
- Take Video and Save Video into Computer

TECHNICAL SPECIFICATIONS:

Parameters	BMEX-2F	BMEX-5F	BMEX-12F
Sensor	CMOS 1/2.9 inch	CMOS 1/2.8 inch	CMOS 1/2.3 inch
Pixels	1920 x 1080 pixels, 2.0 MP	2560 x 1920 pixels, 5.0 MP	4000 x 3000 pixels, 12.0 MP
Scan Mode	Progressive, rolling shutter	Progressive, rolling shutter	Progressive, rolling shutter
Pixel Size	2.8 µm x 2.8 µm	2.0 µm x 2.0 µm	1.33 µm x 1.33 µm
Max FPS	Up to 30 FPS (1920x 1080 pixels)	Up to 30 FPS (2560 x 1920 pixels) Up to 50 FPS(1600 x 1200 pixels)	Up to 15 FPS (4000x 3000 pixels)
Filter	RGB	RGB	RGB
Mount	C-mount	C-mount	C-mount
Grayscale Conversion	8 bits	8 bits	8 bits
Color Depth	24 bits	24 bits	24 bits
Exposure	Automatic or manual, from 1ms to 2s	Automatic or manual, from 1ms to 2s	Automatic or manual, from 1ms to 2s
White Balance	Automatic/manual	Automatic/manual	Automatic/manual
Dynamic Range	72 db	72 db	60 db
Sensitivity V/Lux-Sec	(at 550 nm) 0.51	(at 550 nm) 2.0	(at 550 nm) 1.5
Data Interface	USB 2.0 at 480 Mb/s	USB 2.0 at 480 Mb/s	USB 2.0 at 480 Mb/s
Operation Humidity	10-85 % humidity	10-85 % humidity	10-85 % humidity
Operating Temperature	0 to 60°C	0 to 60°C	0 to 60°C
Supplied With	0.45x objective with C-mount, USB 2.0 cable, 30 and 30.5 mm adapters for stereo microscopes, 76x 24 mm calibration slide, CD ROM with Image Focus Plus software, carton box		
Software	Windows 7 and higher (32 and 64 bit configurations). A Mac OS software version is also supplied		

*** Due to continuous product development, Image & specification can be upgrade.**