



**BANBROS ENGINEERING PVT. LTD.**

The Precision Measurement People

# DIGITAL VIDEO MEASURING



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



**BSZS-0745VM**

**DESCRIPTION:**

This machine is used for the inspection of electronic industry production lines, printed circuit boards, welding defects in printed circuit components (printing dislocation, edge collapse etc.), single board PC, VFD of vacuum fluorescent display screen, printing grid, calligraphy and painting can also be identified. It enlarges the physical image and displays it on the computer screen. It can save, enlarge and print the image, if with software, it can do many of measurements.

**MACHINE MERITS:****1) Speed Work Efficiency**

- No need eyepiece, observe clearly via 11.6'inch HDMI monitor.
- Real-time focusing, no need focusing manually.
- Continuous zoom, quickly switch magnification.

**2) Helpful for More Observation Details**

- Special HDR function edge-enhancement mode makes image more sharp.
- Image magnification reaches to 180X, more details can be observed.
- 2Mpixel HD CCD camera, 60 frames/Second captures image.

**3) More Conveniences**

- Save images and motion videos.
- Simple human-machine interface makes operation so easy.
- Various light sources are available according to customer's simple feature.

**MACHINE FEATURES:**

- Pictures can be saved in SD card and USB disc directly without connecting with computer.
- Auto-focusing is useful to observe the work piece with steps, which avoids the trouble of manually focus.
- Moving stage is available optionally for large sample's moving observation.
- 2.0Mpixel digital CCD camera and 11.6' HDMI monitor.
- Measuring function is available optionally.

**TECHNICAL SPECIFICATIONS:**

<b>Model No.</b>	<b>BSZS-0745VM</b>
<b>Overall Dimension(mm)</b>	290X320X480
<b>Weight (kg)</b>	4.5
<b>Working Distance(mm)</b>	90
<b>Sample Height (mm)</b>	50
<b>CCD Camera</b>	2.0Mpixel Color CCD Camera(With Micro-Focus function and HDMI port)
<b>Sensor Size</b>	1/2.8'
<b>Minimum Measuring Accuracy</b>	0.01mm( accuracy will change with magnification, the higher the accuracy, the bigger the magnification)
<b>Reflect Illumination</b>	3 Rings without zones, 72 pcs of LED lights
<b>Zoom Lens</b>	0.7-4.5X manual Zoom Lens
<b>Resolution</b>	0.7X: <11.18um; 4.5X:<3.49um
<b>View Field</b>	3-22mm
<b>Magnification</b>	Optical Magnifications: 0.7~4.5X ; Image Magnification:24~180X
<b>Monitor</b>	11.6' inch LCD monitor with HDMI port

**MACHINE CONFIGURATION:****1) Auto-Focus Function Configuration:**

HDMI high-definition 2.0Mpixel digital CCD camera with Auto-Focusing function and 11.6' inch HDMI high-definition monitor. This is just for the sample's high-definition observation ,no need save any picture or video, then it has very-excellent observation effect and can achieves auto- focus in any place.

**2) Measuring Function Configuration:**

HDMI high-definition 2.0Mpixel digital CCD camera with SD memory card and 11.6' inch HDMI high-definition monitor , without Auto-Focusing function, This function just services for the customers who need observe the sample high-definitely and hope to save pictures and videos, measuring function available.

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