



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

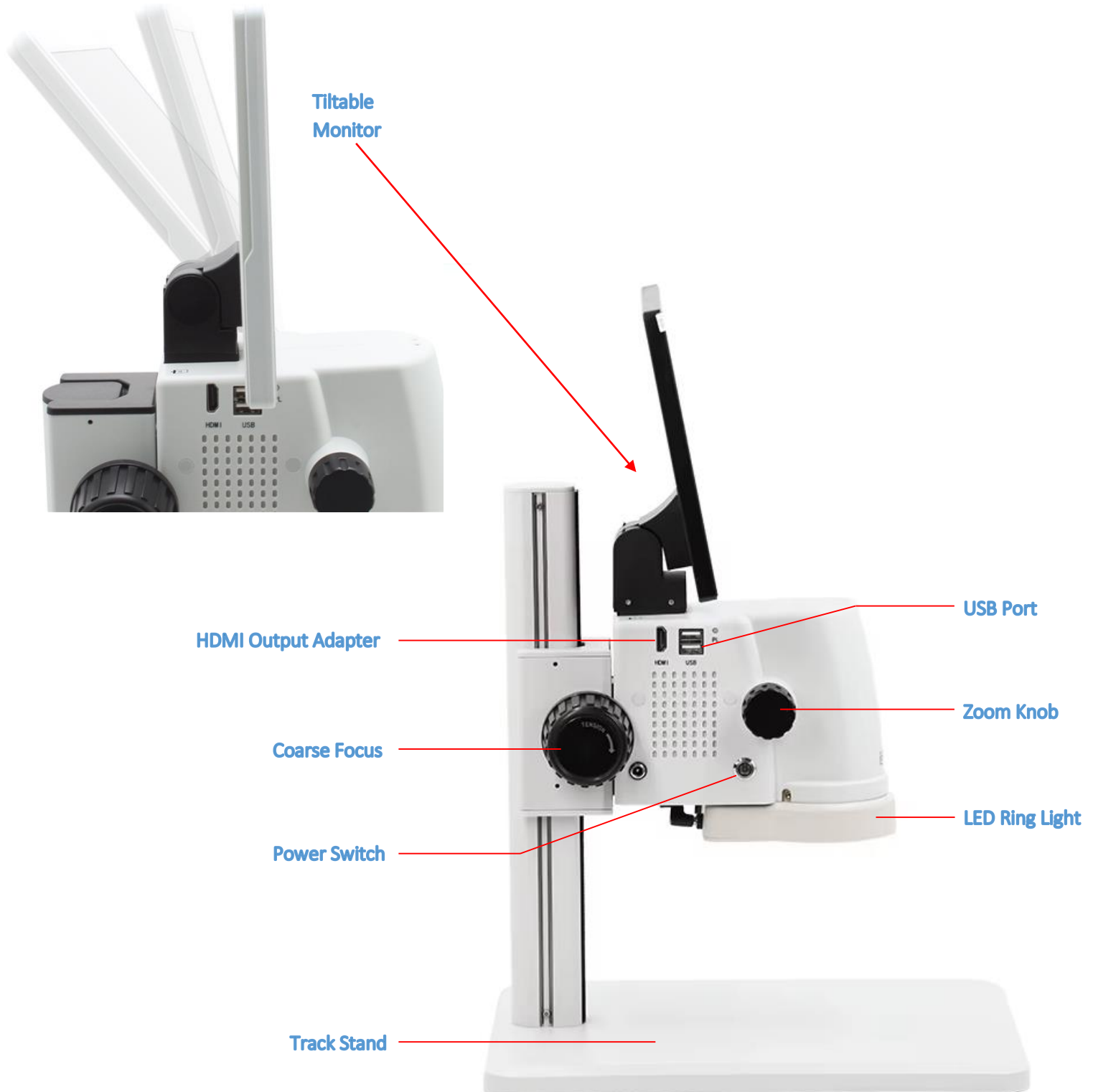
WELD FLOW HIGH-DEFINITION VIDEO INSPECTION SYSTEM WITH MEASUREMENT SOFTWARE



WFIS-450HD LCD

**DESCRIPTION:**

Our **WFIS-450HD LCD** High-Definition Video Inspection System with Measurement Software is compact and beautiful structure design combines continuous zoom optics and high-definition digital cameras, so that all functions are concentrated on one lens body, which is very small in the installation space of modern equipment. The internal optical corner design and the design of the adjustable angle of the display screen take into account ergonomics, so as to reduce the height of the display screen, so that the operator can maintain a flat sitting position to observe the display at head-up. Through the HDMI high-definition interface, another monitor can be connected to realize the function of simultaneous display of two displays.



**FEATURES:**

- High-quality optical components coated with a special film layer create high-quality optical images.
- 0.7X-4.5X continuous magnification, magnification ratio 6.4:1
- Magnification 17X-110X, optional auxiliary objective magnification range: 17X-221X
- The standard working distance reaches 100mm, and the optional auxiliary objective lens has a working distance range of 30mm-165mm, creating enough space for use.
- It has real-time observation, photography, video, measurement, storage, data output and other functions.
- Sensor 1/2.8 inch color SONY CMOS
- Output interface: HDMI, USB, TF card



Built-in LED
Ring Light



**TECHNICAL SPECIFICATION:**

Model No.	WFIS-450HD LCD
Magnification	17X-110X
Objective	0.7X-4.5X continuous magnification, objective lens magnification ratio 6.4:1
Screen Parameters	11.6 inches, resolution 1920*1080, IPS full viewing angle, detachable
Image Sensor	1/2.8" Color SONY CMOS
Real-Time Image Frame Rate	60fps@1920*1080
Photograph	5 million pixels (optional 8 million pixels)
Video	45fps@1920*1080
Output	HDMI
Input	Two USB2.0s
Camera Color Adjustment	Auto Exposure, White Balance, Gain, Gamma, Brightness, Sharpness, Contrast, Saturation, Grayscale
OSD Interface Interaction Mode	Mouse man-machine operation
Storage Function	Take photos, videos, and store them on a USB flash drive
Measurement Function	Point, line, parallel line, polyline, angle, diameter circle, radius circle, three-point circle, circle-to-straight line distance, concentric circle, double circle, vertical line, arbitrary line, polygon, arc, dimension, element movement, element single/full deletion, screenshot, element data table and data export, element calibration, element parameter setting
Other Features	Horizontal/Vertical mirroring, screen freezing
Scale Ruler	3 types, can customize color, line width, display switch
Grid Lines	8 groups, can customize color, line width, display switch
Language	English
Light Source	56 LED ring lights with adjustable brightness
Base	WFIS-450HD LCD base, according to customer needs, various bases can be selected

OPTIONAL ACCESSORIES:

Objective Lens	0.5x Auxiliary Lens
	2.0x Supplementary Lens

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