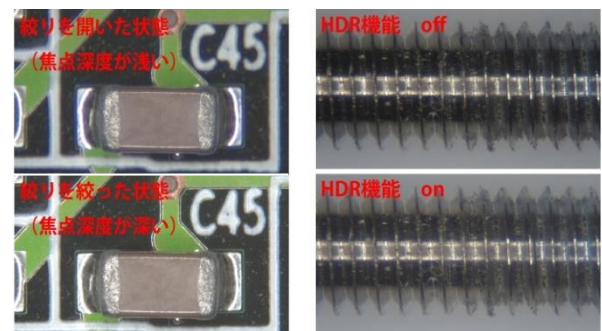


Stand-alone Digital Microscope



MS-40DR/SAM1

Digital microscope with simple and easy operation
without connecting PC



■ High quality bench-top style LED ring illuminator

High intensity white LED illumination is equipped. It is standard digital microscope by removing analyzer from the tip of objective lens.

■ Materialize polarizing observation in super wide filed

Enables a super field of view observation with approx.18.4mm × 10.5mm to 2.8mm × 1.6mm (Magnification on monitor Approx.13.8X to 88.7X) on 11.6 inch full HD monitor.

Enables a polarizing observation having most kinds of thin rock sections in a filed of view.

■ 30 fps High frame rate camera

Enables a comfortable live imaging observation with less delayed image in rotating stage by projecting the image onto HD monitor with direct HDMI cable connection to the camera unit.

No shut down by error on PC without connecting PC.

Shooting still and moving images and simple measuring functions are available in direct connecting mouse to camera.

(Frame rate of the moving images saved is 25 fps)

Scope

Magnification on monitor	13.8X to 88.7X approx..
Field of view on monitor	18.4mm×10.5mm approx. (at minimum magnification) to 2.8mm×1.6mm approx. (at maximum magnification)

Monitor part

Monitor	Display size 11.6 inch (16 : 9) , Resolution 1920×1280
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Camera unit part

Image sensor	1 / 2.8 CMOS sensor
Frame rate	HDMI connection : 30fps (1920×1080) , USB2.0 connection : 30fps (1920×1080)
Lens mount	"C"mount
Still image	3264×1836 (6MP)
Moving image	1080P (1920×1080 Progressive type) 25fps(Record in SD card or PC)
Terminals/Slots	HDMI(for output of HDMI monitor), USB2.0(for mouse or connecting PC) SD memory card slot, terminal for AC adapter
Simple measurement functions	Anchor Point, Line(Distance between 2 points), Angle, Circle, Concentric Circles, Bicircle, Rectangle, Freehand Line, Polygon, Point-line Distance, Saving and undoing calibrated values (up to 10 values), Enable to convert measured values into cvs or txt file format.
Operable items with mouse	Exposure, White balance, Gamma, Gain, Sharpness, Saturation, Contrast, Shutter Comparing images display(2 images display), HDR(High Dynamic Range), Synthetic function
PC connection	USB 2.0
Software for PC	"TCapture" compliance OS : from Windows XP
Accessories	HDMI cable, USB cable, AC adapter, SD memory card, Mouse (USB connection) CD-ROM(Software for PC operation included)

Zoom lens part

Viewing head	"C"mount
Objective	0.28X~1.8X (Zoom ratio 1 : 6.5) , Click-stop(Every zoom magnification), Iris diaphragm
Working Distance	94mm

Accessories for simple polarizing observation

Rotatable stage	Dia.150mm, 360°graduation, Centrable, Polarizer in slide, Slot for test plates
Analyzer	Ratatable analyzer (to mount with the objective hood)
Options	MA764 First order red plate MA761/05 1/4 Wave plate MA299 Mechanical stage(for slide glass)

Other options

Illuminator	Ring LED illuminator 10W (High intensity white LED 60 bulbs with intensity control)
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