

TEKSCOPEPLUS FHD DIGITAL MICROSCOPE (46-460X)



SKU: 159560KA



TEK-SCOPE-PLUS DIGITAL MICROSCOPE

Ideal-Tek TEK-SCOPE-PLUS - **Full HD optical inspection system 46-460x**, equipped with built-in **LED lights** and software for image processing.

Connected to a monitor, it displays **high quality distortion-free images with no delay** and with excellent depth of field.

Ideal for a wide range of applications, thanks to its large working distance and magnification range.

Ethernet connection enables simultaneous screen sharing using the same IP address.

User friendly system. LED lights give users shadow-free illumination.

Specifications

- Ergonomic system without eyepieces, it has to be connected to a monitor or a computer (NOT included)
- Supply voltage: 230 Vac
- Magnification (monitor 27"): Optical: 46 x Digital: up to 460 x (recommended 92 x)
- Working distance: 310 mm
- Resolution (DisplayPort, USB): FHD 1920 x 1080 p Live streaming
- Frame rate: 60 Hz
- Sensor: 1.2/8"

- Focus: Automatic, Manual
- Functions 1 (DisplayPort connection to monitor + remote control): Zoom in/out, Autofocus on/off, Focus adjustment, Snapshot mode for saving your images directly on USB stick... and much more, all with a touch of a button
- Functions 2 (USB connection to computer + TEK-SCOPE-PLUS software):
 Main toolbar: Zoom in/out, Video recording (microphone requested), Save, Save as images, Lock/unlock autofocus, Manual focus adjustment, Show crosshair, Freeze, Colour/greyscale, Digital zoom on/off, Draw mode (it opens the Draw menu with measurements, image comparison and more), Full screen image, Save presets (zoom).
 <u>Draw mode menu</u>: Rectangle (no measure values), Circle (diameter value, 3 points circle), Vertical/horizontal line (with measure value), Oblique line (with measure value and angle degree from horizontal base), Dots to mark image, Text, Free drawing, Delete, Save images with information, Open a saved image to make live comparison, Full screen, Compare live images with stored images (horizontally end vertically), Overlay (compare live image and stored image), Zoom in,
 Calibration (use it to get more accurate values), Settings, Back to live.
- Lighting: LED 12 V
- Operating system required: Windows 10 and later versions
- Connessioni: DisplayPort, USB, **Ethernet**
- Dimensions (Width x Height): 170 x 450 mm Overall length: 370 mm
- Weight: 4.5 kg
- Microscope battery: Lithium CR1216 3 Volt
- Remote control batteries: 2 x Alkaline LR03PRO AAA 1,5v
- · RoHS compliant.

Magnification range with 3D lens:

	Magnification	Depth of field X	Depth of field Y
Optical	1.5 x	370 mm	215 mm
	2 x	285 mm	165 mm
	3 x	190 mm	110 mm
	5 x	115 mm	65 mm
	10 x	58 mm	33 mm
	20 x	29 mm	16.5 mm
	30 x	19 mm	10.5 mm
	40 x	14 mm	8 mm
	45 x	12.5 mm	7 mm
Digital	50 x	11.5 mm	6.5 mm
	60 x	9.8 mm	5.5 mm
	70 x	8.5 mm	4.5 mm
	80 x	7 mm	4 mm
	90 x	6.5 mm	3.5 mm
	100 x	5.8 mm	3.3 mm
	200 x	3 mm	1.5 mm
	300 x	2 mm	1 mm

Scope of supply: Inspection system, Remote control, Power supply, Monitor cable (DisplayPort-DisplayPort), Computer cable



(USB-USB mini), Lens 3 dioptres, USB stick with user manual and TEK-SCOPE-PLUS software (online download also available).

Substitute product for Visus Cmore Plus - El.Mi product no.: 159560A (discontinued)