

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).
Draw mode menu: 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 and 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
- Connections: 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 dioptrés, 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)