# 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 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)