The Portable Digital Microscope with Integrated Wi-Fi

VISIO-TEK
Wi-Fi/USB Digital Microscopes

Electron Microscopy Sciences
**VISIO-TEK™**
**Digital Wi-Fi/USB Microscopes**

**A smarter solution, from quality control to testing inspection**

VISIO-TEK is a line of versatile and portable imaging solutions that utilize both Wi-Fi and USB transmission. VISIO-TEK digital Microscopes and Camera can be connected to iOS and Android smartphones or tablets via the dedicated VISIO-TEK App, as well as through a Wi-Fi/USB connection to Windows and Mac computers or laptops. Using VISIO-TEK free Software and Application, you can capture, store pictures and video and take measurements.

**Flexible, cost effective and user-friendly**

VISIO-TEK Microscopes allow Wi-Fi inspections anywhere an image magnification is required and includes Standard, Polarized, Ultra-violet, Infra-red, and High Magnification portable scopes from 10x up to 600x.

**Included:**
- Transparent Cap
- USB AC adapter
- USB cable
- Quick Manual
- Plastic Stand
- Line Calibration Ruler

**Fields of Application**
- Industrial and Electronic Inspection/QC
- Research & Scientific Analysis
- Education
- Forensics
- Print Inspection
- Textile Inspection
- Trichology
- Entomology
- Botany
- Mineralogy
- Collectibles
- Jewelry & Watch Repair
- Reading Assistance

**Specifications**

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Windows /Mac/IOS and Android</th>
</tr>
</thead>
</table>

**Wi-Fi Specifications**

<table>
<thead>
<tr>
<th>Photo and Video</th>
<th>1.3MPixel --</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>1280x1024 (MJPEG), 640x480 (MJPEG), 320x240</td>
</tr>
<tr>
<td>Frame Rate</td>
<td>15fps@1280x1024, 30fps@640x480, 320x240</td>
</tr>
</tbody>
</table>

**IEEE 802.11 b/g/n standards compliant**

Wireless Transmission Distance: up to 5m

**Data Rate**

- 802.11n: up to 150Mbps
- 802.11b: 1, 2, 5.5, 11Mbps
- 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps

**Temperature**: ≤60 °C (Celsius degree) with full speed running.

**Frequency Range**: 2.400 – 2.4835GHz

**Power Consumption**: Max 2.5W

**Frame Rate**: 10fps~30fps

**Li-ion Battery**
- Continuous Working Time: Appx.2 Hours,
- Full Charging Time: Appx.4 Hours

**Power Source**: DC5.0V/1A

**Camera Specifications**

- **Camera Sensor**: CMOS 1/4”

**Microscope Specifications**

- **Adjustable Magnification**: According to the model
- **Object Distance**: According to the model
- **Focus Range**: According to the model
- **Light Source**: According to the model
- **Lens**: High Definition Microscopy Lens
- **Dimensions**: 36mm (Diameter) x 142mm (Length)
- **Weight**: ~88g

**Wired USB Specifications**

<table>
<thead>
<tr>
<th>Photo and Video</th>
<th>1.30Mpixel —</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>1280x1024, 640x480, 320x240</td>
</tr>
<tr>
<td>Frame Rate</td>
<td>15fps@1280x1024, 30fps@640x480, 320x240</td>
</tr>
<tr>
<td>PC interface</td>
<td>USB 2.0</td>
</tr>
<tr>
<td>MiniUSB Cable</td>
<td>1.2m</td>
</tr>
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</table>
**VISIO-S** Digital Wi-Fi/USB Microscope

*Standard Model for Multipurpose Applications*

- **1.3 Mpx, 5x-200x, 8 white LEDs**

**Specifications**
- **Photo & Video Resolution**: 1.3 Mpx · 1280x1024, 640x480, 320x240
- **Frame Rate**: 15 fps (1280x1024), 30 fps (640x480), 320x240
- **Magnification**: 5x–200x
- **Object Dist. - Focus Range**: 8 – 200 mm
- **Light Source**: 8 White adjustable LEDs

**Specifications**
- **Photo & Video Resolution**: 1.3 Mpx · 1280x1024, 640x480, 320x240
- **Frame Rate**: 15 fps (1280x1024), 30 fps (640x480), 320x240
- **Magnification**: 5x–200x
- **Object Dist. - Focus Range**: 8 – 200 mm
- **Light Source**: 8 White adjustable LEDs

92100 **Visio-Tek™ VISIO-S Digital Wi-Fi Microscope**

**APPplications:**

**Science and Education:** Laboratory / Research / Entomology / Botany / Archaeology / Mineralogy / Paleontology / Ecology

- Flower
- Linarite
- Amber
- Micro-shell
- Trichomes
- Coffee Bean

**Industry:** Engineering Integration / Quality Control / Editing / Printing / Repair / Inspection / Textiles / PCB / IC / LCD / Solar Panels / Agriculture

- Thread
- Jeans Tissue
- Printing
- 3D Printing Filaments
- 3D Print Jewelry Details
- Graphology
VISIO-TEK™ Digital Wi-Fi/USB Microscopes

VISIO-P5 Digital Wi-Fi/USB Microscope

High Resolution Polarized Model for Multipurpose Application

- 1.3 Mpx, 5x-200x, 8 White LEDs, Wi-Fi Mode: 1.3 Mpx, USB Mode: 5 Mpx

Same features as VISIO-P microscope but with 5 Mpx resolution (USB mode).

Specifications

Photo & Video Resolution
- Wi-Fi Mode: 1.3 Mpx - 1280x1024, 640x480, 320x240
- USB Mode: 5 Mpx - 2592x1944, 2048x1536, 1600x1200, 1280x960, 1280x1024, 640x480, 320x240

Light Source
- 8 White adjustable LEDs

<table>
<thead>
<tr>
<th>Magnification</th>
<th>Working Distance (mm)</th>
<th>Field of View x (mm)</th>
<th>y (mm)</th>
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<tbody>
<tr>
<td>10</td>
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<td>5</td>
<td>3</td>
<td>2.5</td>
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</tbody>
</table>

Listed values may differ slightly. Working distances have been taken without front cap.

Contact point:
- Low Cover: 90x e 140x, High Cover: 60x e 220x

92103 Visio-Tek™ VISIO-P5 Digital Wi-Fi Microscope each

VISIO-UVW Digital Wi-Fi/USB Microscope

- 1.3 Mpx, 5x-200x, 4 White LEDs, 4 UV LEDs

For applications where elements are made with chemical structures which react to UV light. From White to UV hold LED button 3 sec and vice versa.

Specifications

Photo & Video Resolution
- 1.3 Mpx - 1280x1024, 640x480, 320x240

Frame Rate
- 15 fps (1280x1024), 30 fps (640x480), 320x240

Light Source
- 4 White adjustable LEDs + 4 UV adjustable LEDs 400nm

<table>
<thead>
<tr>
<th>Magnification</th>
<th>Working Distance (mm)</th>
<th>Field of View x (mm)</th>
<th>y (mm)</th>
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Contact point:
- Low Cover: 90x e 150x, High Cover: 60x e 200x

92104 Visio-Tek™ VISIO-UVW Digital Wi-Fi Microscope each

VISIO-UVWP Digital Wi-Fi/USB Microscope

- 1.3 Mpx, 10x-90x, 140x-220x, 4 White LEDs, 4 UV LEDs, 4 Polarized LEDs

This microscope incorporates polarizing light with UV light. You will find VISIO-P and VISIO-UVW features in only one device. From White light to Polarized hold LED button 3 sec and vice versa. From UV light to White light press LED button 9 times.

Specifications

Photo & Video Resolution
- 1.3 Mpx - 1280x1024, 640x480, 320x240

Frame Rate
- 15 fps (1280x1024), 30 fps (640x480), 320x240

Light Source
- 4 White adjustable LEDs + 4 UV adjustable LEDs 400nm + 4 Polarized LEDs

<table>
<thead>
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Contact point:
- Low Cover: 90x e 140x, High Cover: 60x e 215x

92105 Visio-Tek™ VISIO-UVWP Digital Wi-Fi Microscope each

Visio-Tek™ Digital Wi-Fi/USB Microscopes
VISIO-UVWIR Digital Wi-Fi/USB Microscope

- 1.3 Mpx, 5x-200x, 4 White LEDs, 4 UV LEDs, 4 IR LEDs

For scientific and medical applications where UV or IR light is required. Same as UVW plus IR.

From White light to IR hold LED button 3 sec and vice versa. From IR light to UV light press LED button 9 times.

**Specifications**

- **Photo & Video Resolution**: 1.3 Mpx · 1280x1024, 640x480, 320x240
- **Frame Rate**: 15 fps (1280x1024), 30 fps (640x480), 320x240
- **Magnification**: 5x–200x
- **Object Dist. · Focus Range**: 8–200 mm
- **Light Source**: 4 White adjustable LEDs + 8 UV adjustable LEDs 400nm, + 4 IR LEDs

<table>
<thead>
<tr>
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<td>200</td>
<td>19</td>
<td>2</td>
<td>1.5</td>
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</table>

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Working distances have been taken without front cap.

**Contact point:**

Low Cover: 80x e 150x, High Cover: 60x e 200x

92106 Visio-Tek™ VISIO-UVWIR Digital Wi-Fi Microscope each

VISIO-L Digital Wi-Fi/USB Microscope

**Long Working Distance**

- 1.3 Mpx, 10x-160x, 8 White LEDs

Designed for applications where increased clearance is beneficial while working under magnification. Viewing at a greater magnification also provides a wider viewing angle.

**Specifications**

- **Photo & Video Resolution**: 1.3 Mpx · 1280x1024, 640x480, 320x240
- **Frame Rate**: 15 fps (1280x1024), 30 fps (640x480), 320x240
- **Magnification**: 10x–160x
- **Object Dist. · Focus Range**: 8–450 mm
- **Light Source**: 8 White adjustable LEDs

<table>
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<th>Magnification</th>
<th>Working Distance (mm)</th>
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<th>y (mm)</th>
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<td>160</td>
<td>22</td>
<td>2.5</td>
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</tr>
</tbody>
</table>

Listed values may differ slightly.

Working distances have been taken without front cap.

92107 Visio-Tek™ VISIO-L Digital Wi-Fi Microscope each

VISIO-HM Digital Wi-Fi/USB Microscope

**High Magnification**

- 1.3 Mpx, 500x-600x, 8 White LEDs

Our highest power model for applications requiring the greatest magnification at close range.

**Specifications**

- **Photo & Video Resolution**: 1.3 Mpx · 1280x1024, 640x480, 320x240
- **Frame Rate**: 15 fps (1280x1024), 30 fps (640x480), 320x240
- **Magnification**: 500x–600x
- **Object Dist. · Focus Range**: 0–3 mm
- **Light Source**: 8 White adjustable LEDs

<table>
<thead>
<tr>
<th>Magnification</th>
<th>Working Distance (mm)</th>
<th>Field of View x (mm)</th>
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</table>

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Working distances have been taken without front cap.

**Contact point:**

Low Cover: 80x e 150x, High Cover: 60x e 200x

92108 Visio-Tek™ VISIO-HM Digital Wi-Fi Microscope each
VISIO-SCOPE
Digital Wi-Fi Camera for Optical Instruments & Devices
VISIO-SCOPE is a complete solution with a digital C-Mount Wi-Fi camera (VISIO-EYE) that allows you to wirelessly digitalize any traditional optical device in seconds.
Compatible with all optical microscopes, VISIO-SCOPE digitalizes images and takes measurements and photos from your standard optical device using your tablet, smartphone or PC with dedicated App and Software.
The images can be displayed on different devices simultaneously. Very interesting accessory for optical microscopes.

VISIO-SCOPE
Kit of VISIO-EYE Wi-Fi camera, VISIO-L04 Lens & Adapters and 3 Spacer Rings
 Specifications
Photo & Video
Resolution
1.3 Mpx · 1280x1024, 640x480, 320x240
Frame Rate
up to 30 fps
Lens
High definition microscopy lens

92109  Visio-Tek™ VISIO-SCOPE Digital Wi-Fi Camera each

VISIO-SCOPE5
Kit of VISIO-EYE5 Wi-Fi camera, VISIO-L04 Lens & Adapters and 3 Spacer Rings
 Specifications
Photo & Video Resolution
Wi-Fi Mode: 1.3 Mpx · 1280x1024, 640x480, 320x240
USB Mode: 5 Mpx · 2592x1944, 2048x1536, 1600x1200, 1280x960, 1280x1024, 640x480, 320x240
Frame Rate
up to 30 fps
Lens
High definition microscopy lens

92110  Visio-Tek™ VISIO-SCOPE5 Digital Wi-Fi Camera each

VISIO-EYE
Digital Wi-Fi Camera (C-Mount) for Optical Instruments & Devices + Spacer Ring
 Specifications
Photo & Video
Resolution
1.3 Mpx · 1280x1024, 640x480, 320x240
Frame Rate
up to 30 fps
Sensor
1/4” Imax CMOS

92111  Visio-Tek™ VISIO-EYE Digital Wi-Fi Camera each

VISIO-EYE5
Digital Wi-Fi Camera (C-Mount) for Optical Instruments & Devices + Spacer Ring
 Specifications
Photo & Video Resolution
Wi-Fi Mode: 1.3 Mpx · 1280x1024, 640x480, 320x240
USB Mode: 5 Mpx · 2592x1944, 2048x1536, 1600x1200, 1280x960, 1280x1024, 640x480, 320x240
Frame Rate
up to 30 fps
Sensor
1/4” Imax CMOS

92112  Visio-Tek™ VISIO-EYE5 Digital Wi-Fi Camera each

VISIO-L04:
Kit of C-Mount Lens 0.4X/23.2 mm + 30 & 30.5 adapters

92113  Visio-Tek™ VISIO-L04 Adapters and Lens kit

VISIO-RING:
Kit of 3 C-Mount Spacer Rings / 5 mm
- C-Mount Ring
- Material: aluminum

92114  Visio-Tek™ VISIO-RING 3/pk
Racks for VISIO-TEK Wi-Fi/USB Digital Microscopes

Designed to be used with the complete line of VISIO-TEK digital microscopes.

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Description</th>
<th>Qty.</th>
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<tbody>
<tr>
<td>99500-06</td>
<td>VISIO-TEK RCKX Adjustable Vertical Rack for Microscope</td>
<td>each</td>
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<tr>
<td>99500-07</td>
<td>VISIO-TEK RCKY Adjustable Vertical/Horizontal Rack for Microscope</td>
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<td>99500-08</td>
<td>VISIO-TEK RCKA Basic Rack for Microscope</td>
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<td>99500-09</td>
<td>VISIO-TEK RCKBL Backlight Rack for Microscope</td>
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</table>

**VISIO-TEK RCKX Adjustable Vertical Rack**

The RCKX is a rigid vertical desktop rack that provides about 20 cm of vertical working distance from the object.

**VISIO-TEK RCKY Adjustable Vertical/Horizontal Rack**

The RCKY is a vertical/horizontal desktop rack that utilizes an adjustable sliding horizontal boom arm with up to 25 cm reach and 360° rotational capability making it ideal for inspection applications where the ability to extend out over and across a specimen is required.

**VISIO-TEK RCKA Basic Rack**

The RCKA has a flexible gooseneck arm that can be bent and twisted in many positions.
APPLICATIONS:

Forensics: Law Enforcement / Forgery

Holographic Stripe Banknote

Banknote

Banknote (UV Light)

Graphology