

**Electron
Microscopy
Sciences**



The Portable Digital Microscope
with Integrated Wi-Fi

VISIO-TEK

Wi-Fi/USB Digital Microscopes





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



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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.



Key Features:

- Wi-Fi
- Portability
- High definition microscopy lens
- Windows (7-8-10), Mac, Android and iOS compatible
- Free dedicated basic software and application

Specifications

Operating System Windows /Mac/IOS
and Android

Wi-Fi Specifications

Photo and Video Resolution 1.3MPixel--
1280x1024 (MJPG),
640x480 (MJPG),
320x240

Frame Rate 15fps@1280x1024,
30fps@640x480,
320x240

IEEE 802.11 b/g/n standards compliant

Wireless up to 5m

Transmission

Distance

Transmit Power

11n HT40 MCS7 +13 dBm
11b CCK +18 dBm
11g OFDM +15 dBm

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"

Optical features Exposure,
Gamma Correction,
Numerical Aperture,
White Balance,
Black Reference,
Flicker Avoidance,
Defect Identification,
Color Saturation: Auto

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

Dimensions

Microscopy Lens
36mm (Diameter)
x 142mm (Length)

Weight

~88g

Wired USB Specifications

Photo and Video Resolution 1.30Mpixel —
1280x1024, 640x480,
320x240

Frame Rate 15fps@1280x1024,
30fps@640x480,
320x240

PC interface USB 2. 0

MiniUSB Cable 1.2m

THE PORTABLE DIGITAL MICROSCOPE WITH INTEGRATED WI-FI

VISIO-S Digital Wi-Fi/USB Microscope

Standard Model for Multipurpose Applications

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

NOTE: On some surfaces, use of white light magnification may result in glare in which case a polarizer is recommended. Please see VISIO-P with increased contrast.

Specifications

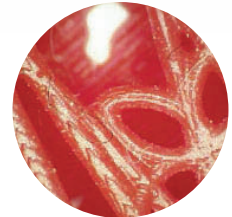
Photo & Video Resolution	1.3 Mpx · 1280x1024, 640x480, 320x240
Frame Rate	15 fps (1280x1024), 30 fps (640x480), 320x240
Magnification	5x~200x
Object Dist. · Focus Range	8~200 mm
Light Source	8 White adjustable LEDs

Magnification	Working Distance (mm)	Field of View	
		x (mm)	y (mm)
10	157	39	29
20	73	20	15
30	41	13	10
40	30	10	7.5
50	22	8	6
60	17	7	5
80	14	5	4
100	11	4	3
150	13	2.5	2
200	19	2	1.5

Listed values may differ slightly.
Working distances have been taken without front cap.
Contact point:
Low Cover: 80x e 150x, High Cover: 60x e 200x



Amber Detail



3D Print Jewel

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

VISIO-P Digital Wi-Fi/USB Microscope

Polarized Model for Multipurpose Application

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

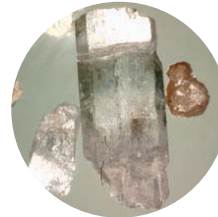
The best-selling model. The polarizer lens decreases glare on plastic, glass, metals, minerals and paper resulting in a darker, more saturated sharper image with increased contrast.

Specifications

Photo & Video Resolution	1.3MPx · 1280x1024, 640x480, 320x240
Frame Rate	15 fps (1280x1024), 30 fps (640x480), 320x240
Magnification	5x ~ 200x
Object Dist. · Focus Range	8 ~ 150 mm
Light Source	8 white adjustable LEDs

Magnification	Working Distance (mm)	Field of View	
		x (mm)	y (mm)
10	139	39	29
20	59	20	15
30	27	13	10
40	19	10	8
50	13	8	6
60	7	7	5
80	1	5	4
100	0	4	3
150	1	2.5	2
200	7	2	1.5

Listed values may differ slightly.
Working distances have been taken without front cap.
Contact point:
Low Cover: 80x e 150x, High Cover: 60x e 200x



Mineral, without polarized light.

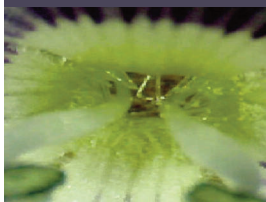


Mineral, with polarized light.

92102 Visio-Tek™ VISIO-P Digital Wi-Fi Microscope each

APPLICATIONS:

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



Flower



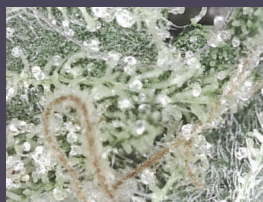
Linarite



Amber



Micro-shell

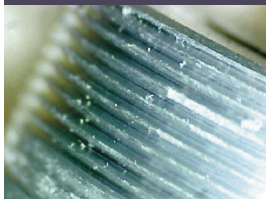


Trichomes

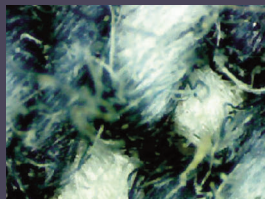


Coffee Bean

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



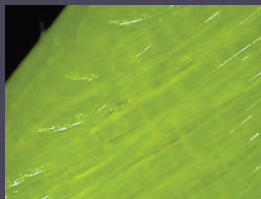
Thread



Jeans Tissue



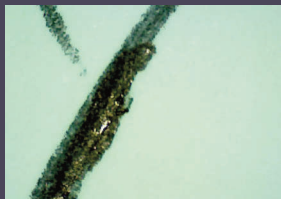
Printing



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

Resolution Photo & Video

Wi-Fi Mode	1.3 Mpx · 1280x1024, 640x480, 320x240
USB Mode	5Mpx · 2592x1944, 2048x1536, 1600x1200, 1280x960, 1280x1024, 640x480, 320x240

Magnification	10x~200x
Object Dist. · Focus Range	8~450 mm
Light Source	8 White adjustable LEDs

Magnification	Working Distance (mm)	Field of View x (mm) y (mm)	
		x (mm)	y (mm)
10	112	55	40
20	48	25	20
30	30	20	15
40	17	16	12
50	12	13	11
60	5	10	7
80	1	8	6
100	0	7	5
150	1	4	3
200	5	3	2.5

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



Coin, without polarized light.



Coin, with polarized light.

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

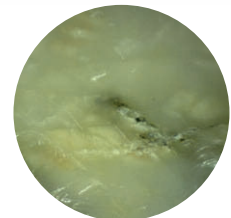
Magnification	5x~200x
Object Dist. · Focus Range	8~200 mm
Light Source	4 White adjustable LEDs + 4 UV adjustable LEDs 400nm

Magnification	Working Distance (mm)	Field of View x (mm) y (mm)	
		x (mm)	y (mm)
10	157	39	29
20	73	20	15
30	41	13	10
40	30	10	7.5
50	22	8	6
60	17	7	5
80	14	5	4
100	11	4	3
150	13	2.5	2
200	19	2	1.5

Listed values may differ slightly.
Working distances have been taken without front cap.
Contact point:
Low Cover: 80x e 150x, High Cover: 60x e 200x



Mineral, UV light



Mineral, white light

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

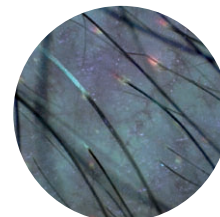
Photo & Video Resolution

1.3 Mpx · 1280x1024, 640x480, 320x240
15 fps (1280x1024), 30 fps (640x480), 320x240

Magnification	5x~200x
Object Dist. · Focus Range	8~200 mm
Light Source	4 White adjustable LEDs + 4 UV adjustable LEDs 400nm + 4 Polarized LEDs

Magnification	Working Distance (mm)	Field of View x (mm) y (mm)	
		x (mm)	y (mm)
10	147	39	29
20	52	20	15
30	27	13	10
40	17	10	7.5
50	12	8	6
60	5	7	5
80	1	5	4
200	19	2	1.5

Listed values may differ slightly.
Working distances have been taken without front cap.
Contact point:
Low Cover: 90x e 140x
High Cover: 60x e 215x



Hair, UV light



Hair, white light

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

THE PORTABLE DIGITAL MICROSCOPE WITH INTEGRATED WI-FI

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

Magnification	Working Distance (mm)	Field of View	
		x (mm)	y (mm)
10	157	39	29
20	73	20	15
30	41	13	10
40	30	10	7.5
50	22	8	6
60	17	7	5
80	14	5	4
100	11	4	3
150	13	2.5	2
200	19	2	1.5

Listed values may differ slightly. Working distances have been taken without front cap. **Contact point:** Low Cover: 80x e 150x, High Cover: 60x e 200x



Note the same image with different LED's illuminations



IR light

UV light

White light

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	1.3MPx · 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

Magnification	Working Distance (mm)	Field of View	
		x (mm)	y (mm)
9	450	105	66
10	320	55	46.1
30	59	14	11
40	39	10	8
50	31	9	6.5
60	29	7.5	5.5
80	22	5	4
100	19	4	3
120	18	3	2.3
160	22	2.5	2

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



Flower with Visio-L distance: 55 mm



Flower with Visio-S distance: 55 mm

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

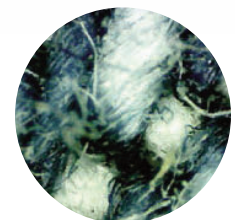
Photo & Video Resolution	1.3 Mpx · 1280x1024, 640x480, 320x240
Frame Rate	15 fps (1280x1024), 30 fps (640x480), 320x240
Magnification	500x~600x
Object Dist. · Focus Range	0~3 mm
Light Source	8 White adjustable LEDs

Magnification	Working Distance (mm)	Field of View	
		x (mm)	y (mm)
500	0	0.76	0.58
530	2	0.69	0.53
550	3.2	0.63	0.48
600	0	0.60	0.45

Listed values may differ slightly. Working distances have been taken without front cap. **Contact point:** Low Cover: 80x e 150x, High Cover: 60x e 200x



Jeans Tissue



~500X - Cotton Tissue

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	1.3 Mpx · 1280x1024, 640x480,
Resolution	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	1.3 Mpx · 1280x1024, 640x480, 320x240
Resolution	
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

THE PORTABLE DIGITAL MICROSCOPE WITH INTEGRATED WI-FI

Racks for VISIO-TEK Wi-Fi/USB Digital Microscopes

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

VISIO-TEK RCKBL Backlight Rack for Microscope

Up and down knobs are used to adjust the distance between microscope and object. With the removable X&Y crossed, you can slightly adjust the position of the object by rotating the knobs. You can turn on and off the LED backlight source through the brightness control knob to enhance the object clarity.



99500-09

Cat. No.	Description	Qty.
99500-09	VISIO-TEK RCKBL Backlight Rack for Microscope	each

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.



99500-06

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.



99500-07

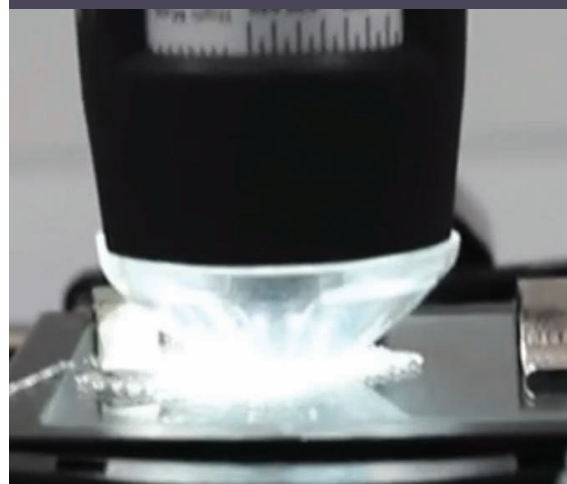
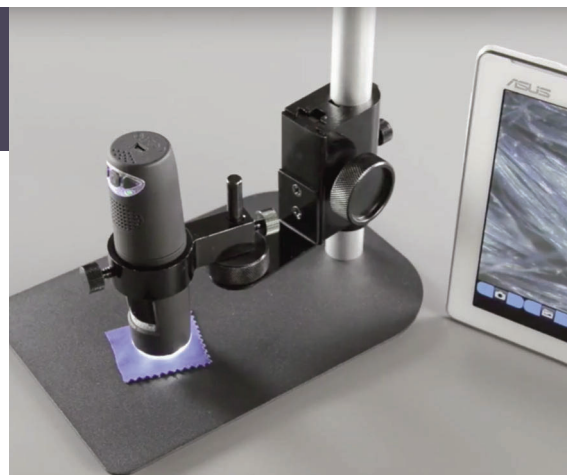
VISIO-TEK RCKA Basic Rack

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



99500-08

Cat. No.	Description	Qty.
99500-06	VISIO-TEK RCKX Adjustable Vertical Rack for Microscope	each
99500-07	VISIO-TEK RCKY Adjustable Vertical/Horizontal Rack for Microscope	each
99500-08	VISIO-TEK RCKA Basic Rack for Microscope	each



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VISIO-TEK

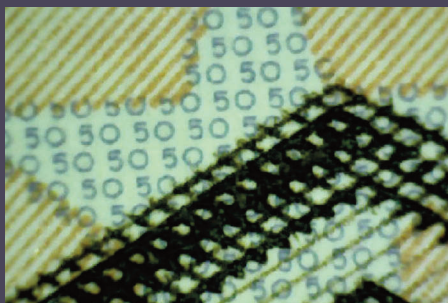
Wi-Fi/USB Digital
Microscopes

APPLICATIONS:

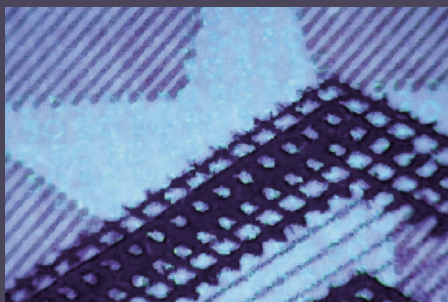
Forensics: Law Enforcement / Forgery



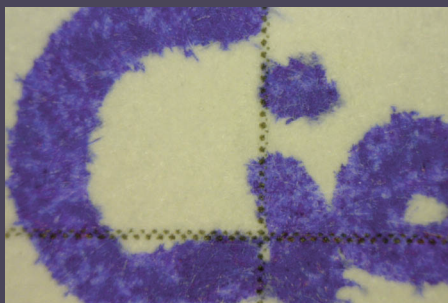
Holographic Stripe Banknote



Banknote



Banknote (UV Light)



Graphology

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Microscopy
Sciences**

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