

Digital USB & Wi-Fi Microscope for analysis of the eye

Code: **MICFIOCULUS-VET**



MICFIOCULUS-VET is a very innovative handheld color digital microscope for analysis of the eye with USB & Wi-Fi wireless transmission. It is a small, easy to operate light and portable. It can be used with all the most popular smartphones, tablet and even with PC.

Main applications:

→ **VETERINARY medicine**

GENERAL FEATURES

Operating System	Windows, OS X, IOS, Android
Battery	Li-ion, Continuous working time appx. 2 hours
Wall adaptor	DC5.0V/1A Please use ONLY usb wall adaptors that are certified according the CE and/or FCC regulations
Device class according to EN 60601-1:2006+A1:2012	Class II
Applied parts according to EN 60601-1:2006+A1:2012	Type B
Degree of protection (EN 60529:1991+A2:2013)	IP40 (casing protected against solids larger than 1mm and against access by a wire, but not protected against the ingress of liquids)
Mode of work	Continuous

Wi-Fi TRANSMISSION FEATURES

Wi-Fi standard	IEEE 802.11 b/g/n
Wi-Fi Wireless Transmission Distance	Up to 5m
Photo and Video Resolution	1.3MPixel – 320(H)x240(V), 640(H)x 480(V), 1280(H)x1024(V)
Frame Rate	15fps – 1280x1024, 30fps – 640x480, 320x240
Wi-Fi Transmit Power	11n HT40 MCS7: +13dBm, 11bCCK: +18dBm, 11gOFDM: +15dBm
Data rate	802.11n: up to 150Mbps, 802.11b: 1, 2, 5.5, 11Mbps, 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
Frequency Range	2.400÷2.4835GHz
Power Consumption	Max 2.5W
Frame Rate	10÷30fps

USB FEATURES

Photo and Video Resolution	1.3Mpixel—1280x1024, 640x480, 320x240
Frame Rate	15fps (1280x1024), 30fps(640x480), 320x240
Image Format	.bmp, .jpg
PC interface	USB 2. 0
Mini USB cable	1.2m

FEATURES

Magnification	30x
Object distance	8÷200mm
Focus Range	8÷200mm
LED	n. 2 adjustable White Led + n. 2 adjustable Yellow Led (Led System 3.2V/20mA)
Lens	High Definition Microscopy Lens
Dimensions	36mm x 180mm
Weight	120g

CAMERA FEATURES

Camera	Color CMOS Camera
Sensor	1/4" CMOS
Optic	Exposure: auto Gamma: auto White balance: auto Reference: auto

SOFTWARE

Mic-Fi per Windows and MAC

APP

Mic-Fi Medical per iOS Tablet

Mic-Fi per iOS Smartphone

Mic-Fi Med Plus per Android Tablet & Smartphone

Package:

- n. 1 Mic-Fi microscope with USB cable,
- n. 1 USB AC Adapter 5.0V/1A,
- n. 1 quick guide,
- n. 1 MICFIORING: Ring for microscope
- n. 1 PEN DRIVE with user manual and software per Windows and MAC