



Embedded Wi-Fi Camera

Embedded design not only for biological microscope, but also for stereo microscope. No need to modify, directly make your microscope have remarkable digital imaging capabilities.



For biological microscopes



For stereo microscopes



Features & Benefits

- Work seamlessly with a wide range of computing and mobile devices running most major operating systems, from Windows to iOS, and Android
- Wi-Fi and USB dual output for option by switch.
- WAN port available for long-distance transmission, through the network cable to connect a computer or router to achieve multi-user sharing.
- Embedded 50%/50% light splitting design without damaging the original optical system
- Built-in high power reduction lens for large field of view
- Precise and simple focus of screw rod to realize eyepiece-to-monitor synchronization
- Mobile devices access the system by scanning the exclusive QR code
- Different dovetail grooves design to couple with biological microscope and stereo microscope separately

Specifications

Camera model	CA800	CA800-BX	CA800-OT	CA800-y
Applicable microscope	Olympus CX series	Olympus BX series	Olympus SZX series	Zeiss Primo Star
Coupler type	Dovetail groove of corresponding microscope			
Resolution	8.0 MP (3840x2160)			
Sensor type	SONY IMX334 CMOS			
Shutter type	Electronic rolling shutter			
Sensor size	1/1.8"			
Pixel size	2.0µm x 2.0µm			
Dynamic range	72dB (Non-HDR mode)			
SNR	≥ 56dB			
Spectral response	380~650nm			
Exposure	3.9ms~320ms, Automatic & Manual			
White balance	Realtime Automatic, Single Automatic, Manual			
Frame rate	USB mode: 30fps @ 3840x2160, 2592x1944, 1920x1080, 1024x768, 640x480 WiFi mode: 30fps @ 3840x2160, 2592x1944, 1920x1080, 1024x768, 640x480			
Record format	Image capture format: JPG, BMP, PNG, TIFF; Resolution: 3840x2160, 2592x1944, 1920x1080, 1024x768, 640x480 Video record format: MJPG format AVI file; Resolution: 1920x1080, 1024x768, 640x480			
Power consumption	Wired: USB 2.0 DC 5.0V 500mA Wireless: USB 2.0 DC 5.0V 1500mA			
Wi-Fi protocol	5G WiFi IEEE 802.11ac			
Working frequency	5.180~5.825GHz			

Camera model	CA800-N	CA800-NK	CA800-NT	CA800-L
Applicable microscope	Nikon E series	Nikon Ci/Ni series	Nikon SMZ series	Leica DM series
Coupler type	Dovetail groove of corresponding microscope			
Resolution	8.0 MP (3840x2160)			
Sensor type	SONY IMX334 CMOS			
Shutter type	Electronic rolling shutter			
Sensor size	1/1.8"			
Pixel size	2.0µm x 2.0µm			
Dynamic range	72dB (Non-HDR mode)			
SNR	≥ 56dB			
Spectral response	380~650nm			
Exposure	3.9ms~320ms, Automatic & Manual			
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Working frequency	5.180~5.825GHz			

* Model CA800-Ei available for Nikon Ei Microscope

Dimensions

