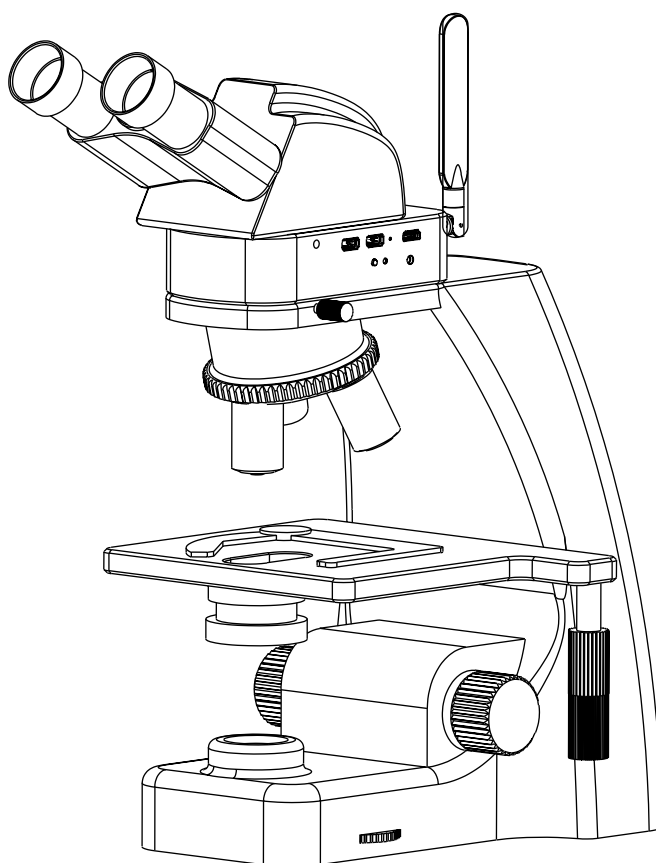




LANOPTIK
TECHNOLOGIES

LANOPTIK CAMERA

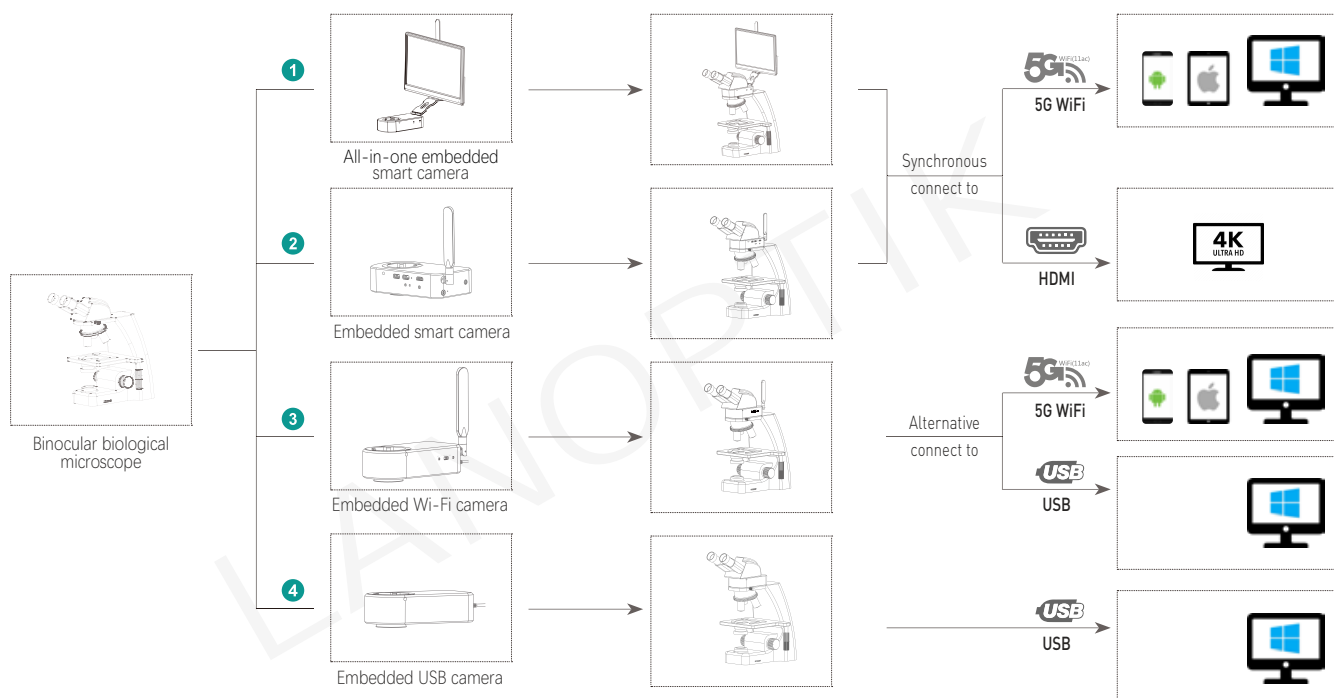
SOLUTIONS TO MICROSCOPES



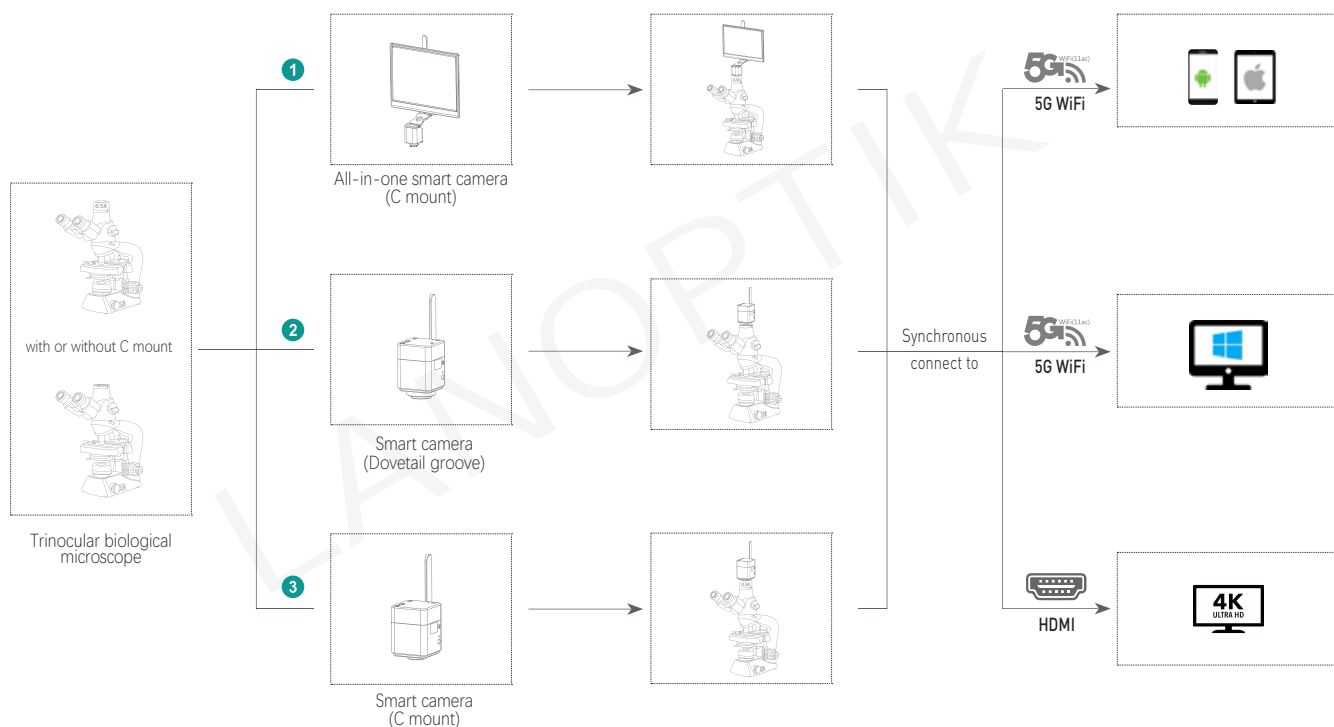
CONTENTS

| | |
|---|---------|
| Solutions to Microscope Chart 1..... | 02 |
| Solutions to Microscope Chart 2..... | 03 |
| Solutions to Microscope Chart 3..... | 04 |
| Solutions to Biological Binocular Microscope | 05 / 08 |
| Solutions to Biological Trinocular Microscope | 09 / 16 |
| Solutions to Stereo Binocular Microscope | 17 |
| Solutions to Stereo Trinocular Microscope | 18 / 21 |
| Solutions to Inverted Microscope..... | 22 /23 |

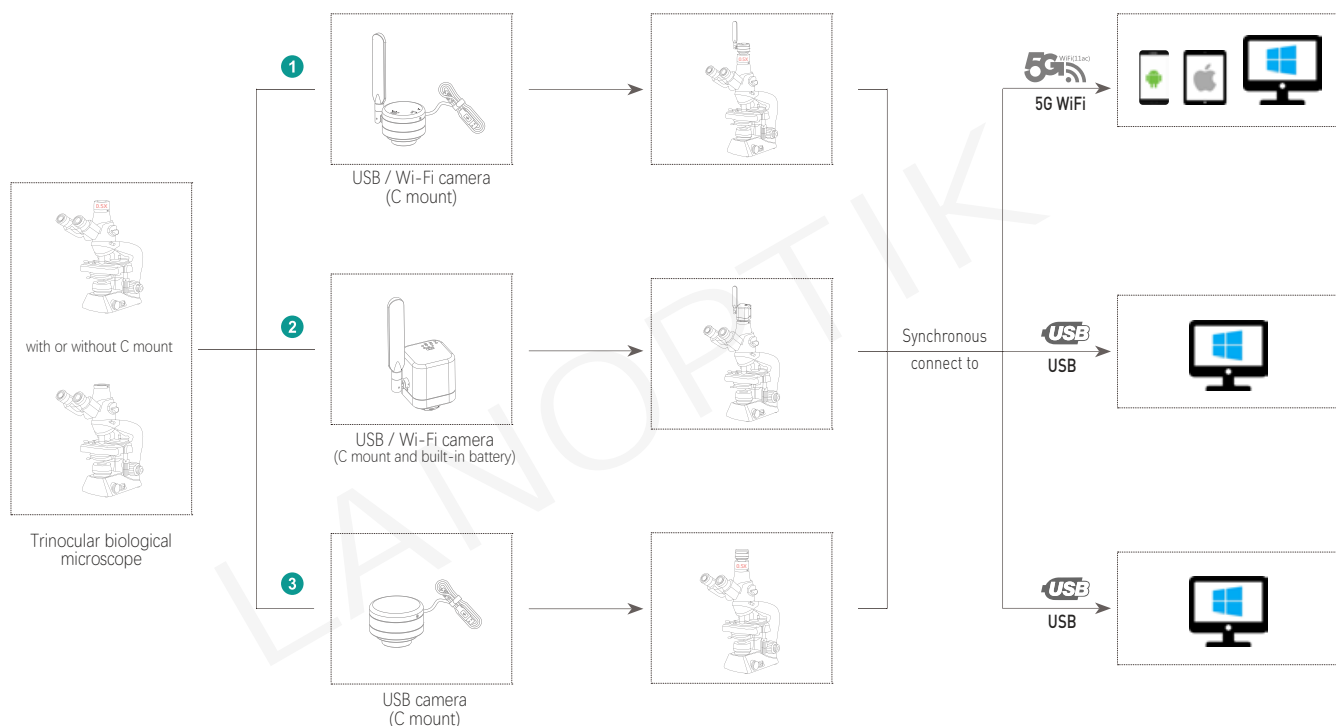
Solutions to Biological Binocular Microscope



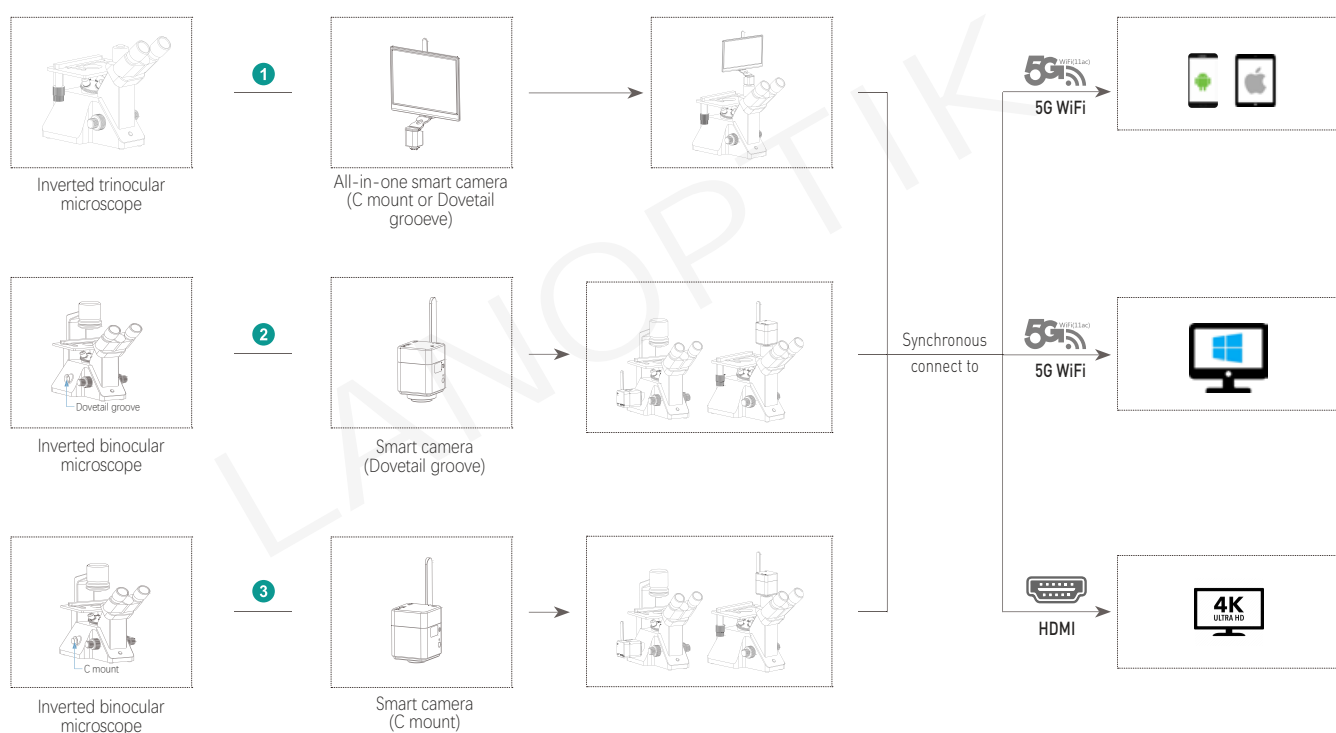
Solutions to Biological Trinocular Microscope - Part 1



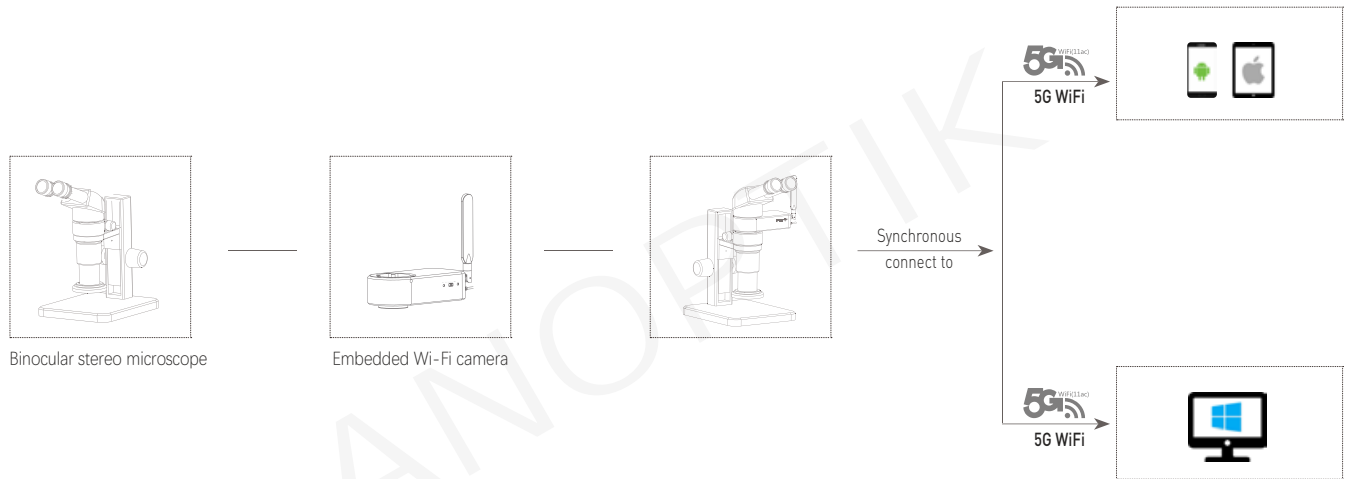
Solutions to Biological Trinocular Microscope - Part 2



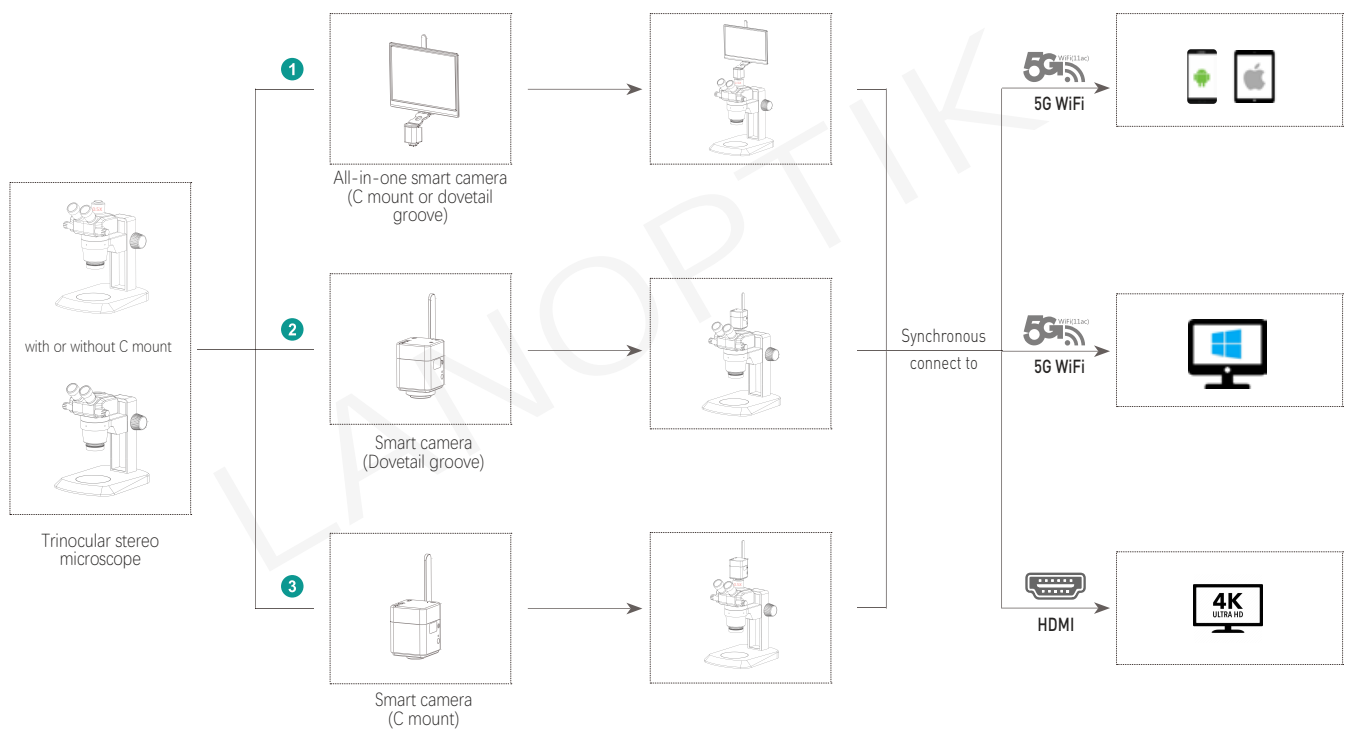
Solutions to Inverted Microscope



Solutions to Stereo Binocular Microscope



Solutions to Inverted Microscope



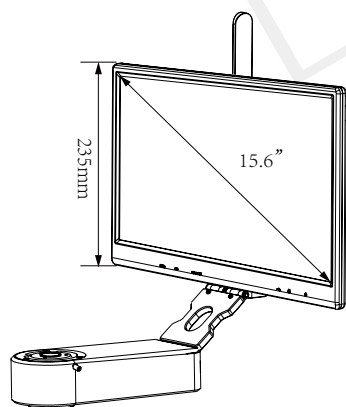
All-in-one Embedded Smart Camera



Camera List

| Applicable Microscope | | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|---------------|-----------|----------|-------------|-----------------------------------|----------------|-------------|------------|
| Olympus | CX series | HE1210 | HE810 | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Available | Available | N/A |
| | BX series | | | | | | | |
| Nikon | Ei, Si series | HE1210-NE | HE810-NE | | | | | |
| | E series | HE1210-N | HE810-N | | | | | |
| | Ci, Ni series | | | | | | | |
| Carl Zeiss | Primo star | HE1210-Z | HE810-Z | | | | | |
| Leica | DM series | HE1210-L | HE810-L | | | | | |

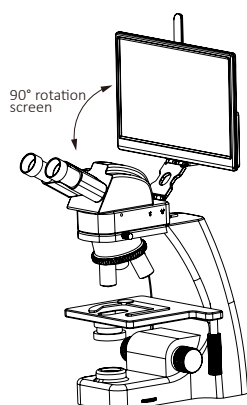
Specifications



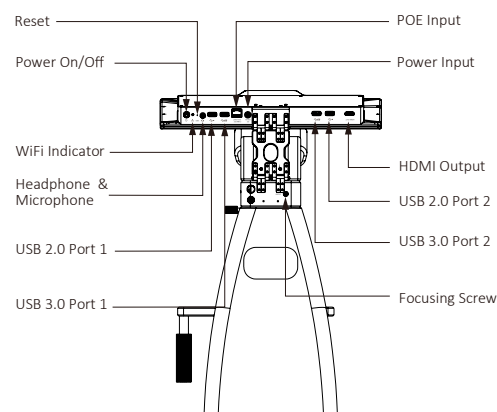
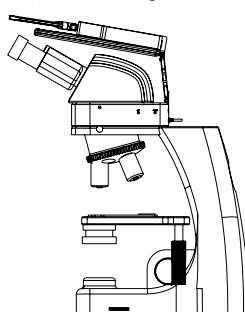
| Resolution | 12.0 MP | 8.0 MP |
|-------------------|---|---|
| Sensor Type | Sony IMX412 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.3 inch | 1/1.8 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m | 2.0 μ m x 2.0 μ m |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | 4000x3000 @25fps | 3840x2160 @25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 5A | |
| HDMI Output | Auto-adaptive display, up to 3840x2160 P30 | |
| WiFi Protocol | 5G WiFi IEEE 802.11ac | |
| Working Frequency | 5.180~5.825GHz | |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- 15.6-inch full color gamut, 1080P HD display, built-in intelligent operating system and APP
- 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, realizing the synchronization of eyepiece and electronic imaging
- 32GB RAM, support U-disk to export picture and video data. 1080p HDMI output to display, TV, projector
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen Connect to PC through WiFi



Two-axis Adjustment, Excellent Vision, Convenient Storage



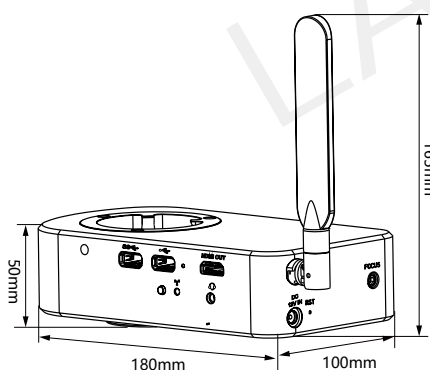
Embedded Smart Camera

Camera List



| Applicable Microscope | | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|---------------|-----------|----------|-------------|-----------------------------------|----------------|-------------|------------|
| Olympus | CX series | TE1200 | TE800 | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Available | Available | N/A |
| | BX series | | | | | | | |
| Nikon | Ei, Si series | TE1200-NE | TE800-NE | | | | | |
| | E series | TE1200-N | TE800-N | | | | | |
| | Ci, Ni series | | | | | | | |
| Carl Zeiss | Primo star | TE1200-Z | TE800-Z | | | | | |
| Leica | DM series | TE1200-L | TE800-L | | | | | |

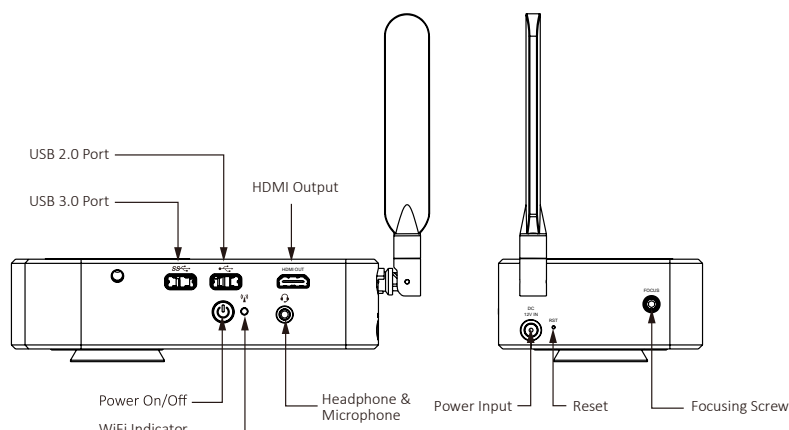
Specifications



| Resolution | 12.0 MP | 8.0 MP |
|-------------------|---|---|
| Sensor Type | Sony IMX412 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.3 inch | 1/1.8 inch |
| Pixel Size | 1.55 μm x 1.55 μm | 2.0 μm x 2.0 μm |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | 4000x3000 @25fps | 3840x2160 @25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 5A | |
| HDMI Output | Auto-adaptive display, up to 3840x2160 P30 | |
| WiFi Protocol | 5G WiFi IEEE 802.11ac | |
| Working Frequency | 5.180~5.825GHz | |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Built-in deeply customized operating system, coming with imaging APP, automatically display camera image after power on Built-in high-power reduction lens for large field of view
- Accurate and simple focusing with screw rod, to realize parfocality
- 32 GB RAM, support USB flash disk to export picture and video
- 4K resolution HDMI output to monitor, TV, projector
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen
- Connect to PC through WiFi



5G WiFi Embedded Camera



Camera List

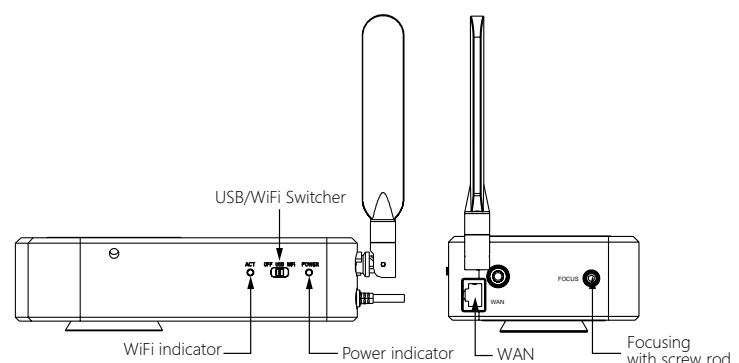
| Applicable Microscope | | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|---------------|-----------|----------|-------------|-----------------------------------|----------------|-------------|------------|
| Olympus | CX series | / | CA800 | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Available | Available | N/A |
| | BX series | CA1200-BX | CA800-BX | | | | | |
| Nikon | Ei, Si series | CA1200-NE | CA800-NE | | | | | |
| | E series | / | CA800-N | | | | | |
| | Ci, Ni series | CA1200-NK | CA800-NK | | | | | |
| Carl Zeiss | Primo star | CA1200-Z | CA800-Z | | | | | |
| Leica | DM series | CA1200-L | CA800-L | | | | | |

Specifications

| Resolution | 12.0 MP | 8.0 MP |
|-------------------|---|---|
| Sensor Type | Sony IMX412 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.3 inch | 1/1.8 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m | 2.0 μ m x 2.0 μ m |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | 4000x3000 @30fps | 3840x2160 @30fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@30fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@30fps |
| Power Consumption | USB mode: DC 5V 500mA; WiFi mode: DC 5V 1500mA | |
| WiFi Protocol | 5G WiFi IEEE 802.11ac | |
| Working Frequency | 5.180~5.825GHz | |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Alternative through WiFi or USB to connect to PC directly
- Embedded 50%:50% light splitting design, without damaging the original optical system
- Built-in high-power reduction lens for large field of view
- Accurate and simple focusing with screw rod, to realize parfocality
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen
- Support any PC or smart device connection within the same LAN, viewing the microscope at the same time access to the network
- Support cross-area (different floor) viewing of the microscope while accessing the network
- Provide WAN port connects to a router



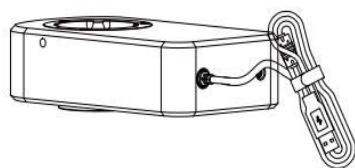
USB Embedded Camera



Camera List

| Applicable Microscope | | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|---------------|---------|---------|-------------|-----|----------------|-------------|------------|
| Olympus | CX series | / | HC4K | Pixit Pro | N/A | N/A | N/A | Available |
| | BX series | / | HC4K-BX | | | | | |
| Nikon | Ei, Si series | / | HC4K-NE | | | | | |
| | E series | / | HC4K-N | | | | | |
| | Ci, Ni series | / | HC4K-NK | | | | | |
| Carl Zeiss | Primo star | / | / | | | | | |
| Leica | DM series | / | HC4K-L | | | | | |

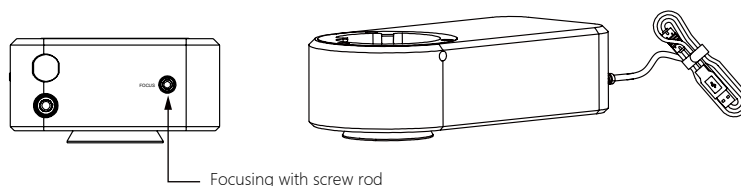
Specifications



| Resolution | 8.0 MP |
|-------------------|---|
| Sensor Type | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling |
| Max. Resolution | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/1.8 inch |
| Pixel Size | 2.0 μ m x 2.0 μ m |
| Dynamic Range | 72 dB |
| SNR | ≥ 56 dB |
| Spectral Response | 380~650nm |
| Exposure | Realtime Automatic, Single Automatic, Manual |
| White Balance | Realtime Automatic, Manual |
| Frame Rate | 3840x2160 @30fps |
| Record Format | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@30fps |

Features

- USB high speed video transmission up to 30 fps at 8.3-megapixel resolution
- Excellent auto white balance and color reduction
- Driver-free installation and plug and play
- Pixit Pro software with measurement and image processing tools
- Embedded 50%:50% light splitting design, without damaging the original optical system
- Built-in high-power reduction lens for large field of view
- Accurate and simple focusing with screw rod, to realize parfocality



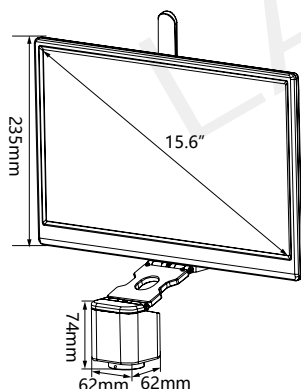
All-in-one Smart Camera (Dovetail)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|----------|---------|-------------|-----------------------------------|----------------|-------------|------------|
| Olympus Trinocular | JX1200-O | JX800-O | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Avaible | Avaible | N/A |
| Nikon Trinocular | JX1200-N | JX800-N | | | | | |

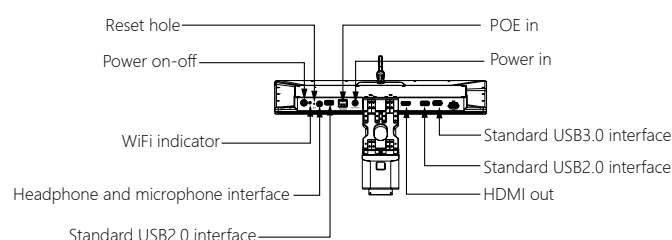
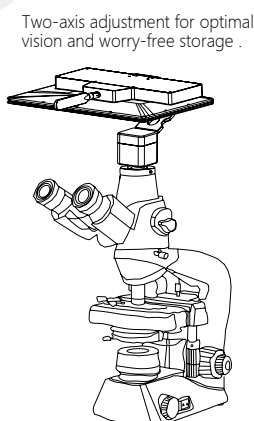
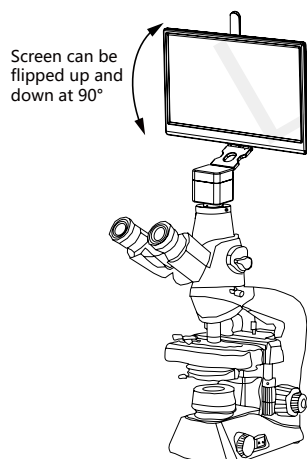
Specifications



| Resolution | 12.0 MP | 8.0 MP |
|-------------------|---|---|
| Sensor Type | Sony IMX412 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.3 inch | 1/1.8 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m | 2.0 μ m x 2.0 μ m |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | 4000x3000 @25fps | 3840x2160 @25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 5A | |
| HDMI Output | Auto-adaptive dispaly, up to 3840x2160 P30 | |
| WiFi Protocol | 5G WiFi IEEE 802.11ac | |
| Working Frequency | 5.180~5.825GHz | |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Equipped with an all-in-one 15.6-inch 100% color gamut and 1080P HD screen
- Built-in deeply customized operating system coming with imaging APP, automatically display camera image after power on
- 32GB RAM, support USB flash disk to export picture, video data
- 4K HDMI output to monitor, TV, and projector
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



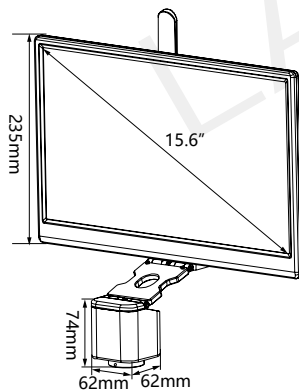
All-in-one Smart Camera (C-mount)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|---------|--------|-------------|-----------------------------------|----------------|-------------|------------|
| Standard C Mount | JX1200 | JX800 | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Avaiable | Avaiable | N/A |

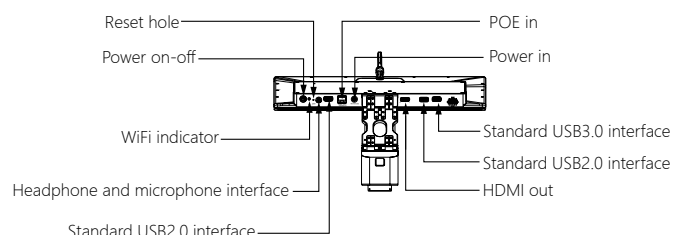
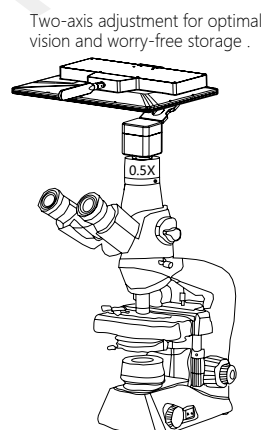
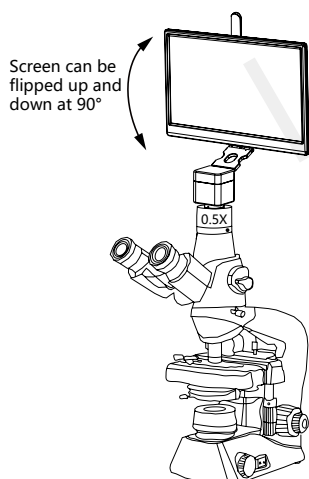
Specifications



| Resolution | 12.0 MP | 8.0 MP |
|-------------------|---|---|
| Sensor Type | Sony IMX412 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.3 inch | 1/1.8 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m | 2.0 μ m x 2.0 μ m |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | 4000x3000 @25fps | 3840x2160 @25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 5A | |
| HDMI Output | Auto-adaptive display, up to 3840x2160 P30 | |
| WiFi Protocol | 5G WiFi IEEE 802.11ac | |
| Working Frequency | 5.180~5.825GHz | |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Equipped with an all-in-one 15.6-inch 100% color gamut and 1080P HD screen
- Built-in deeply customized operating system coming with imaging APP, automatically display camera image after power on
- 32GB RAM, support USB flash disk to export picture, video data
- 4K HDMI output to monitor, TV, and projector
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



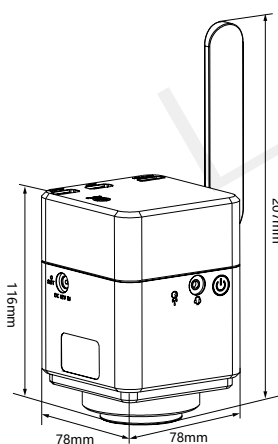
Embedded Smart Camera (Dovetail)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|-----------|--------|-------------|-----------------------------------|----------------|-------------|------------|
| Olympus Trinocular | HW1200Z-O | / | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Avaible | Avaible | N/A |
| Nikon Trinocular | HW1200Z-N | / | | | | | |

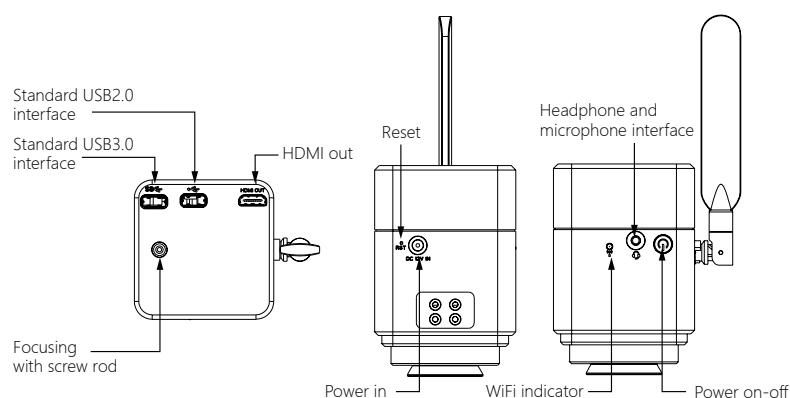
Specifications



| | |
|-------------------|---|
| Resolution | 12.0 MP |
| Sensor Type | Sony IMX412 CMOS |
| Shutter Type | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) |
| Sensor Size | 1/2.3 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m |
| Spectral Response | 380~650nm |
| Exposure | Realtime Automatic, Single Automatic, Manual |
| White Balance | Realtime Automatic, Manual |
| Frame Rate | 4000x3000 @25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 3A |
| HDMI Output | Auto-adaptive display, up to 3840x2160 P30 |
| WiFi Protocol | 5G WiFi IEEE 802.11ac |
| Working Frequency | 5.180~5.825GHz |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Built-in deeply customized operating system
- Comes with imaging APP, automatically display camera image after power on
- Accurate and simple focusing with screw rod, to realize parfocality
- 32 GB RAM, support USB flash disk to export picture and video
- 4K HDMI output to monitor, TV, and projector
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



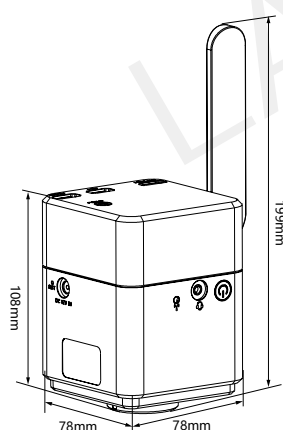
Embedded Smart Camera (C-mount)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|----------|--------|-------------|-----------------------------------|----------------|-------------|------------|
| Standard C Mount | HW1200-Z | / | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Available | Available | N/A |

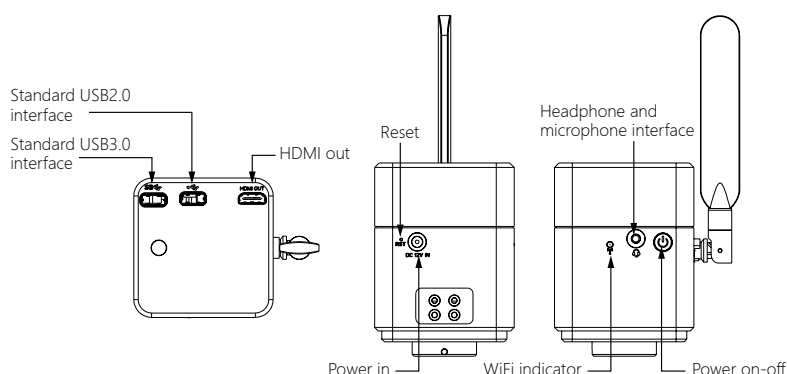
Specifications



| | |
|-------------------|---|
| Resolution | 12.0 MP |
| Sensor Type | Sony IMX412 CMOS |
| Shutter Type | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) |
| Sensor Size | 1/2.3 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m |
| Spectral Response | 380~650nm |
| Exposure | Realtime Automatic, Single Automatic, Manual |
| White Balance | Realtime Automatic, Manual |
| Frame Rate | 4000x3000 @25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 3A |
| HDMI Output | Auto-adaptive display, up to 3840x2160 P30 |
| WiFi Protocol | 5G WiFi IEEE 802.11ac |
| Working Frequency | 5.180~5.825GHz |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Built-in deeply customized operating system
- Comes with imaging APP, automatically display camera image after power on
- Accurate and simple focusing with screw rod, to realize parfocality
- 32 GB RAM, support USB flash disk to export picture and video
- 4K HDMI output to monitor, TV, and projector
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



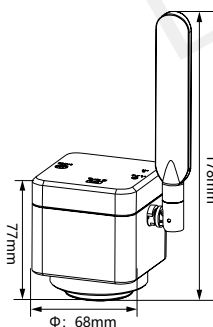
5G WiFi / USB Camera (Dovetail)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|---------|---------|-------------|---------------|----------------|-------------|------------|
| Olympus Trinocular | MC12W-O | MC4KW-O | Pixit Pro | KoPa WiFi Lab | Avaible | N/A | Available |
| Nikon Trinocular | MC12W-N | MC4KW-N | | | | | |

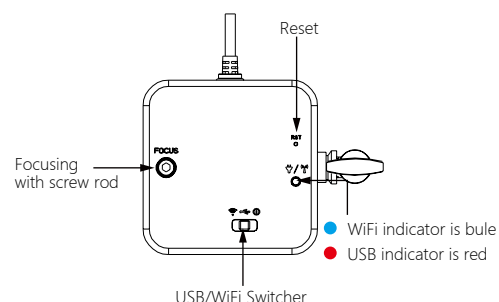
Specifications



| Resolution | 12.0 MP | 8.0 MP |
|-------------------|---|---|
| Sensor Type | Sony IMX412 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.3 inch | 1/1.8 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m | 2.0 μ m x 2.0 μ m |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | USB mode: 30fps WiFi mode: 30fps | USB mode: 30fps WiFi mode: 30fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920X1080@30fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920X1080@30fps |
| Power Consumption | USB mode: DC 5V 500mA; WiFi mode: DC 5V 1500mA | |
| WiFi Protocol | 5G WiFi IEEE 802.11ac | |
| Working Frequency | 5.180~5.825GHz | |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Alternative through WiFi or USB connects to PC directly
- Built-in high power reduction lens for large field of view
- Accurate and simple focusing with screw rod, to realize parfocality
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



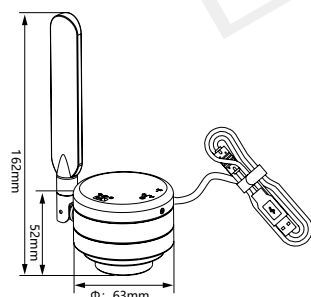
5G WiFi / USB Camera (C-mount)



Camera List

| Applicable Microscope | 8.0 MP | 5.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|----------|-----------|-------------|---------------|----------------|-------------|------------|
| Standard C Mount | MC4KW-G1 | MC500W-G1 | Pixit Pro | KoPa WiFi Lab | Available | N/A | Available |

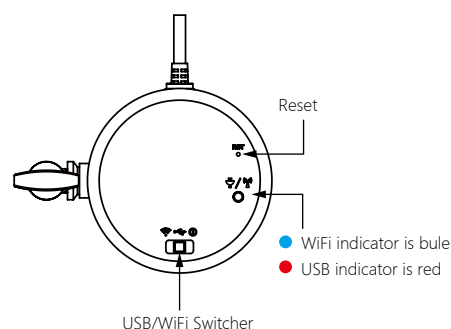
Specifications



| Resolution | 5.0 MP | 8.0 MP |
|-------------------|---|---|
| Sensor Type | OnSemi AR0521 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 2595X1944 (5,038,848 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.5 inch | 1/1.8 inch |
| Pixel Size | 2.2 μ m x 2.2 μ m | 2.0 μ m x 2.0 μ m |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | 30 fps | 30 fps |
| Record Format | Image Capture Format: JPG Resolution: 2592x1944 Video Record Format: MOV Resolution: 1920x1080@30fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@30fps |
| Power Consumption | USB mode: DC 5V 500mA; WiFi mode: DC 5V 1500mA | |
| WiFi Protocol | 5G WiFi IEEE 802.11ac | |
| Working Frequency | 5.180~5.825GHz | |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Alternative through WiFi or USB connects to PC directly
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



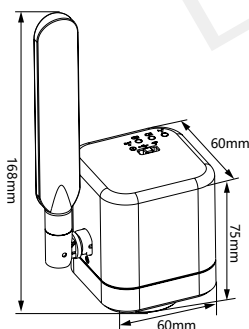
5G WiFi / USB Camera (C-mount & Built-in Battery)



Camera List

| Applicable Microscope | 8.0 MP | 5.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|----------|-----------|-------------|---------------|----------------|-------------|------------|
| Standard C Mount | MC4KW-G2 | MC500W-G2 | Pixit Pro | KoPa WiFi Lab | Available | N/A | Available |

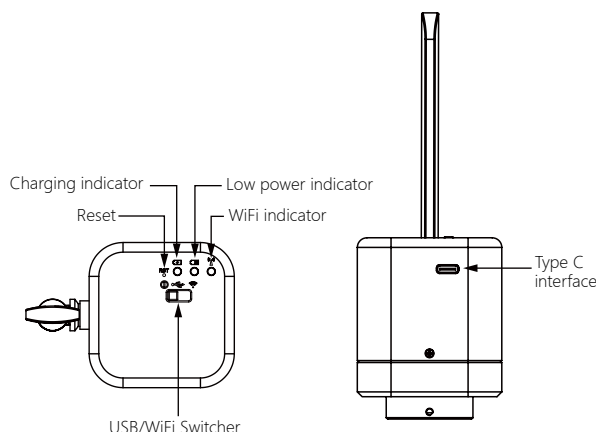
Specifications



| Resolution | 5.0 MP | 8.0 MP |
|-------------------------|---|---|
| Sensor Type | OnSemi AR0521 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 2595X1944 (5,038,848 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.5 inch | 1/1.8 inch |
| Pixel Size | 2.2 μ m x 2.2 μ m | 2.0 μ m x 2.0 μ m |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | 30 fps | 30 fps |
| Record Format | Image Capture Format: JPG Resolution: 2592x1944 Video Record Format: MOV Resolution: 1920x1080@30fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@30fps |
| Power Consumption | USB mode: DC 5V 500mA; WiFi mode: DC 5V 1500mA | |
| WiFi Protocol | 5G WiFi IEEE 802.11ac | |
| Working Frequency | 5.180~5.825GHz | |
| Built-in Battery | 3.7V, 2600mAh, Rechargeable lithium batteries | |
| Continuous Working Time | Approx. 1.5 hours | |
| Charging Time | Approx. 2 hours | |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Alternative through WiFi or USB connects to PC directly
- Built-in 2650mAh 3.7v safe and stable lithium battery, supporting more than 90 minutes continuous working time
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



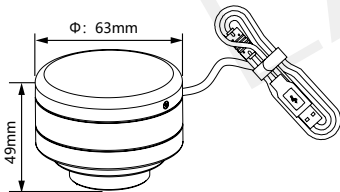
USB Camera (C-mount)



Camera List

| Applicable Microscope | 8.0 MP | 5.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|--------|----------|-------------|---------------|----------------|-------------|------------|
| Standard C Mount | MC4K | MC500-G3 | Pixit Pro | KoPa WiFi Lab | N/A | N/A | Available |

Specifications



| Resolution | 5.0 MP | 8.0 MP |
|-------------------|---|---|
| Sensor Type | OnSemi AR0521 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 2595X1944 (5,038,848 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.5 inch | 1/1.8 inch |
| Pixel Size | 2.2 μ m x 2.2 μ m | 2.0 μ m x 2.0 μ m |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | 2592x1944 @30fps | 3840x2160 @30fps |
| Record Format | Image Capture Format: JPG Resolution: 2592x1944 Video Record Format: MOV Resolution: 1920x1080@30fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@30fps |

Features

- High performance and price ratio
- USB high speed video transmission up to 30 fps
- Excellent auto white balance and color reduction
- Driver-free and plug and play, no fear of system upgrade and re-installation
- Pixit Pro software with measurement and image processing tools
- Compact design, sturdy aluminum housing case
- Compatible with third-party imaging software

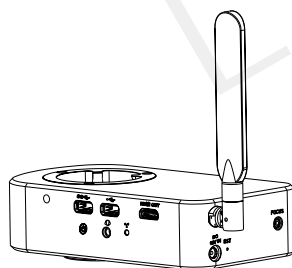
Embedded Smart Camera (Dovetail)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|-----------|--------|-------------|------------------|----------------|-------------|------------|
| Olympus SZX Series | TE1200-OT | / | Pixit Pro | KoPa WiFi Lab AO | Avaible | Avaible | N/A |
| Nikon SMZ Series | TE1200-NT | / | | KoPa WiFi Lab | | | |

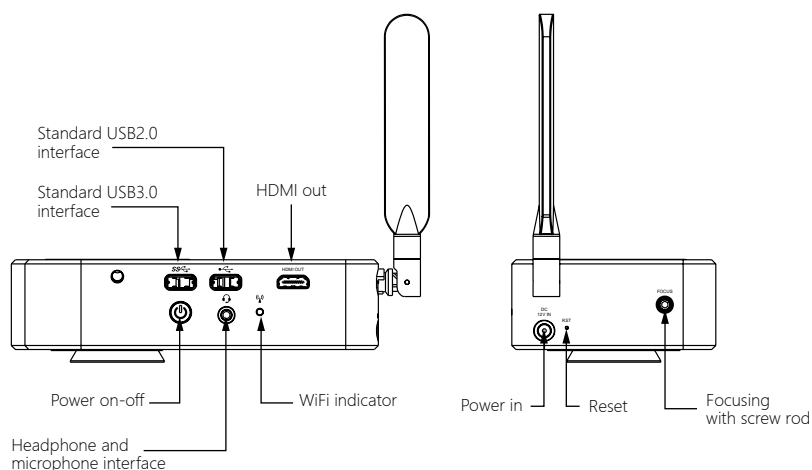
Specifications



| | |
|-------------------|---|
| Resolution | 12.0 MP |
| Sensor Type | Sony IMX412 CMOS |
| Shutter Type | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) |
| Sensor Size | 1/2.3 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m |
| Spectral Response | 380~650nm |
| Exposure | Realtime Automatic, Single Automatic, Manual |
| White Balance | Realtime Automatic, Manual |
| Frame Rate | 25 fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 3A |
| HDMI Output | Auto-adaptive dispaly, up to 3840x2160 P30 |
| WiFi Protocol | 5G WiFi IEEE 802.11ac |
| Working Frequency | 5.180~5.825GHz |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Built-in deeply customized operating system
- Comes with imaging APP, automatically display camera image after power on
- Built-in high-power reduction lens for large field of view
- Accurate and simple focusing with screw rod, to realize parfocality
- 32 GB RAM, support USB flash disk to export picture and video
- 4K HDMI output to monitor, TV, and projector, connects to PC through WiFi
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



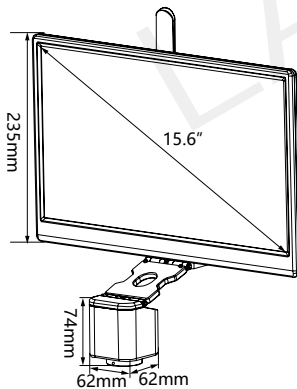
All-in-one Smart Camera (Dovetail)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|----------|---------|-------------|-----------------------------------|----------------|-------------|------------|
| Olympus Trinocular | JX1200-O | JX800-O | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Avaible | Avaible | N/A |
| Nikon Trinocular | JX1200-N | JX800-N | | | | | |

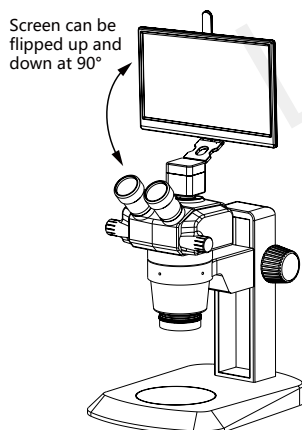
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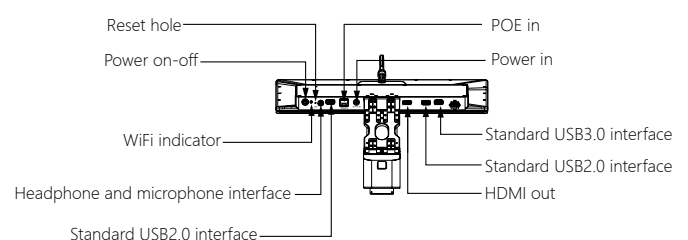
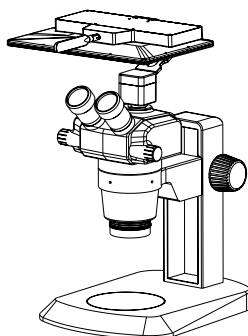
| Resolution | 12.0 MP | 8.0 MP |
|-------------------|---|---|
| Sensor Type | Sony IMX412 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.3 inch | 1/1.8 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m | 2.0 μ m x 2.0 μ m |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | 4000x3000 @25fps | 3840x2160 @25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 5A | |
| HDMI Output | Auto-adaptive display, up to 3840x2160 P30 | |
| WiFi Protocol | 5G WiFi IEEE 802.11ac | |
| Working Frequency | 5.180~5.825GHz | |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Equipped with an all-in-one 15.6-inch 100% color gamut and 1080P HD screen
- Built-in deeply customized operating system coming with imaging APP, automatically display camera image after power on
- 32GB RAM, support USB flash disk to export picture, video data
- 4K HDMI output to monitor, TV, and projector
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



Two-axis adjustment for optimal vision and worry-free storage .



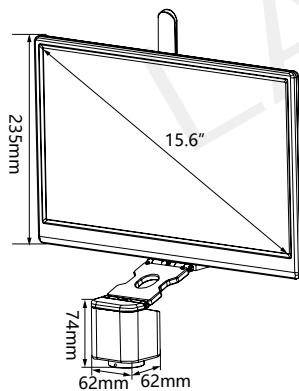
All-in-one Smart Camera (C-mount)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|---------|--------|-------------|-----------------------------------|----------------|-------------|------------|
| Standard C Mount | JX1200 | JX800 | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Available | Available | N/A |

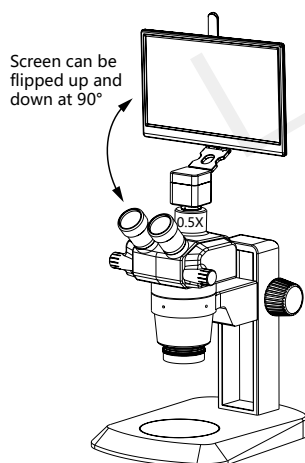
Specifications



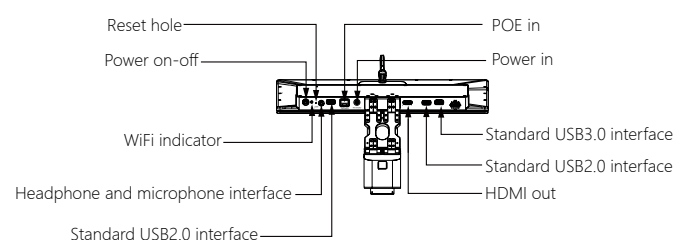
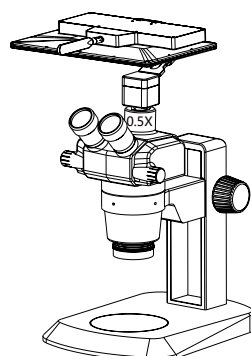
| Resolution | 12.0 MP | 8.0 MP |
|-------------------|---|---|
| Sensor Type | Sony IMX412 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.3 inch | 1/1.8 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m | 2.0 μ m x 2.0 μ m |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | 4000x3000 @ 25fps | 3840x2160 @ 25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 5A | |
| HDMI Output | Auto-adaptive display, up to 3840x2160 P30 | |
| WiFi Protocol | 5G WiFi IEEE 802.11ac | |
| Working Frequency | 5.180~5.825GHz | |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
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- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



Two-axis adjustment for optimal vision and worry-free storage .



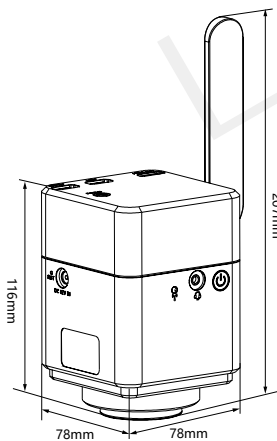
Embedded Smart Camera (Dovetail)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|-----------|--------|-------------|-----------------------------------|----------------|-------------|------------|
| Olympus Trinocular | HW1200Z-O | / | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Avaible | Avaible | N/A |
| Nikon Trinocular | HW1200Z-N | / | | | | | |

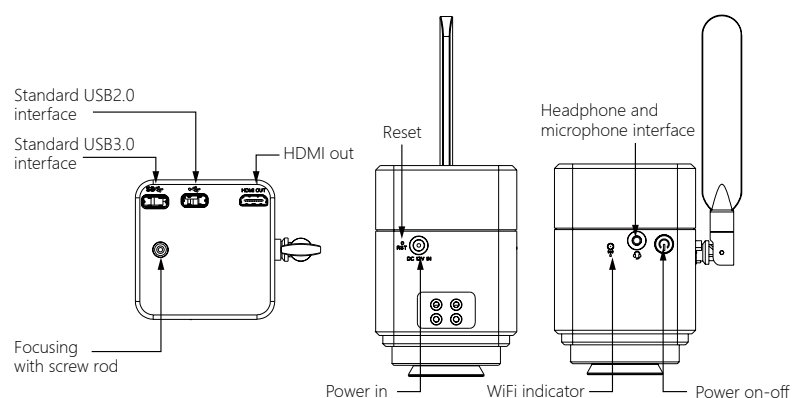
Specifications



| | |
|-------------------|---|
| Resolution | 12.0 MP |
| Sensor Type | Sony IMX412 CMOS |
| Shutter Type | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) |
| Sensor Size | 1/2.3 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m |
| Spectral Response | 380~650nm |
| Exposure | Realtime Automatic, Single Automatic, Manual |
| White Balance | Realtime Automatic, Manual |
| Frame Rate | 4000x3000 @25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 3A |
| HDMI Output | Auto-adaptive dispaly, up to 3840x2160 P30 |
| WiFi Protocol | 5G WiFi IEEE 802.11ac |
| Working Frequency | 5.180~5.825GHz |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
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- 4K HDMI output to monitor, TV, and projector, connects to PC through WiFi
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



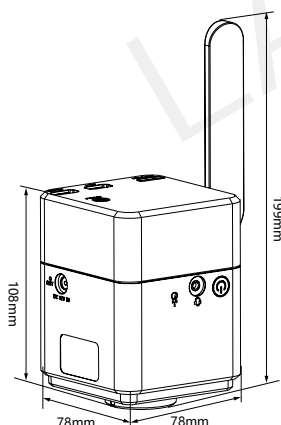
Embedded Smart Camera (C-mount)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|---------|--------|-------------|-----------------------------------|----------------|-------------|------------|
| Standard C Mount | HW1200Z | / | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Available | Available | N/A |

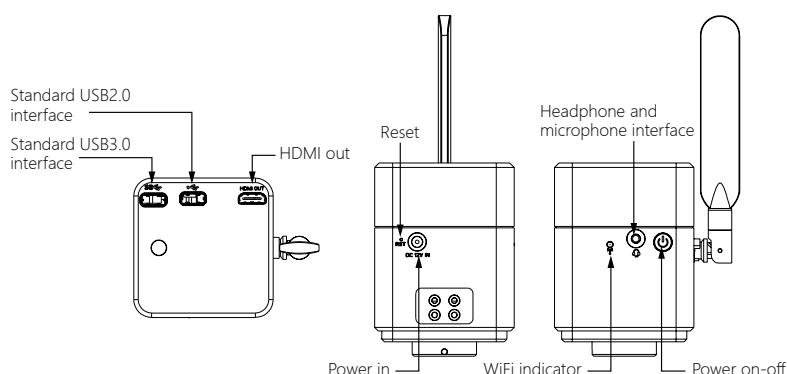
Specifications



| | |
|-------------------|---|
| Resolution | 12.0 MP |
| Sensor Type | Sony IMX412 CMOS |
| Shutter Type | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) |
| Sensor Size | 1/2.3 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m |
| Spectral Response | 380~650nm |
| Exposure | Realtime Automatic, Single Automatic, Manual |
| White Balance | Realtime Automatic, Manual |
| Frame Rate | 4000x3000 @25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 3A |
| HDMI Output | Auto-adaptive display, up to 3840x2160 P30 |
| WiFi Protocol | 5G WiFi IEEE 802.11ac |
| Working Frequency | 5.180~5.825GHz |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Built-in deeply customized operating system
- Comes with imaging APP, automatically display camera image after power on
- Built-in high-power reduction lens for large field of view
- Accurate and simple focusing with screw rod, to realize parfocality
- 32 GB RAM, support USB flash disk to export picture and video
- 4K HDMI output to monitor, TV, and projector, connects to PC through WiFi
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



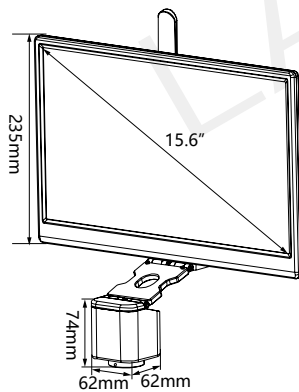
All-in-one Smart Camera (C-mount)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|---------|--------|-------------|-----------------------------------|----------------|-------------|------------|
| Standard C Mount | JX1200 | JX800 | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Available | Available | N/A |

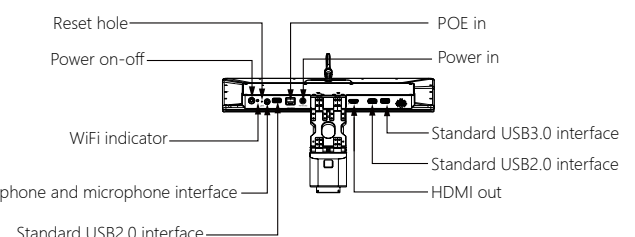
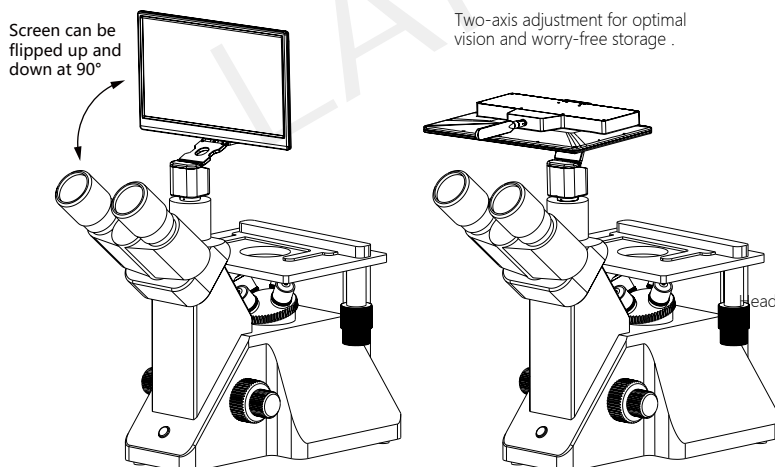
Specifications



| Resolution | 12.0 MP | 8.0 MP |
|-------------------|---|---|
| Sensor Type | Sony IMX412 CMOS | Sony IMX334 CMOS |
| Shutter Type | Electronic rolling | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) | 3840x2160 (8,294,400 pixels) |
| Sensor Size | 1/2.3 inch | 1/1.8 inch |
| Pixel Size | 1.55 μm x 1.55 μm | 2.0 μm x 2.0 μm |
| Spectral Response | 380~650nm | |
| Exposure | Realtime Automatic, Single Automatic, Manual | |
| White Balance | Realtime Automatic, Manual | |
| Frame Rate | 4000x3000 @25fps | 3840x2160 @25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps | Image Capture Format: JPG Resolution: 3840x2160 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 5A | |
| HDMI Output | Auto-adaptive display, up to 3840x2160 P30 | |
| WiFi Protocol | 5G WiFi IEEE 802.11ac | |
| Working Frequency | 5.180~5.825GHz | |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Equipped with an all-in-one 15.6-inch 100% color gamut and 1080P HD screen
- Built-in deeply customized operating system coming with imaging APP, automatically display camera image after power on
- 32GB RAM, support USB flash disk to export picture, video data
- 4K HDMI output to monitor, TV, and projector
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



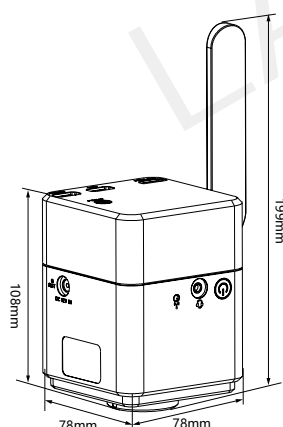
Embedded Smart Camera (C-mount)



Camera List

| Applicable Microscope | 12.0 MP | 8.0 MP | PC Software | APP | 5G WiFi Output | HDMI Output | USB Output |
|-----------------------|---------|--------|-------------|-----------------------------------|----------------|-------------|------------|
| Standard C Mount | HW1200Z | / | Pixit Pro | KoPa WiFi Lab AO KoPa WiFi Lab | Available | Available | N/A |

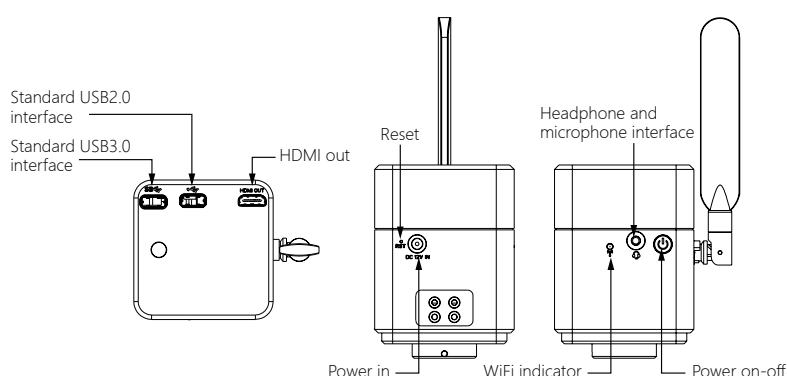
Specifications



| | |
|-------------------|---|
| Resolution | 12.0 MP |
| Sensor Type | Sony IMX412 CMOS |
| Shutter Type | Electronic rolling |
| Max. Resolution | 4000x3000 (12,000,000 pixels) |
| Sensor Size | 1/2.3 inch |
| Pixel Size | 1.55 μ m x 1.55 μ m |
| Spectral Response | 380~650nm |
| Exposure | Realtime Automatic, Single Automatic, Manual |
| White Balance | Realtime Automatic, Manual |
| Frame Rate | 4000x3000 @25fps |
| Record Format | Image Capture Format: JPG Resolution: 4000x3000 Video Record Format: MOV Resolution: 1920x1080@25fps |
| Power Consumption | DC 12V 3A |
| HDMI Output | Auto-adaptive display, up to 3840x2160 P30 |
| WiFi Protocol | 5G WiFi IEEE 802.11ac |
| Working Frequency | 5.180~5.825GHz |

Features

- Perfect compatibility with major operating systems: Windows, iOS and Android
- Built-in deeply customized operating system
Comes with imaging APP, automatically display camera image after power on
- Accurate and simple focusing with screw rod, to realize parfocality
- 32 GB RAM, support USB flash disk to export picture and video
- 4K HDMI output to monitor, TV, and projector
- USB interface connects mouse and keyboard for convenient measurement and text input
- Mobile phone and tablet scan exclusive QR code wireless point-to-point connection expansion screen



Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. January 2021 ©2021 LANOPTIK



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