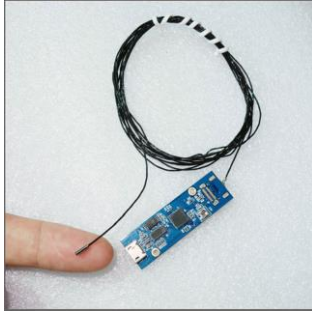


## Specification

### Φ 1.4mm Endoscope Camera Module: Φ1.4mm



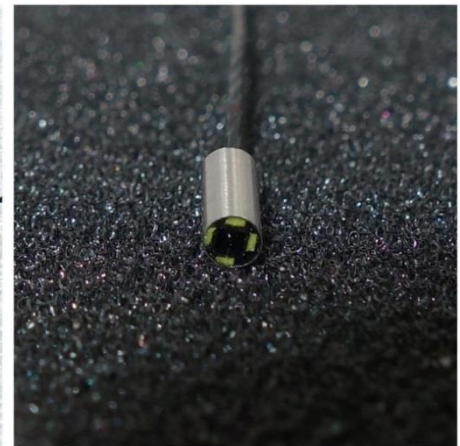
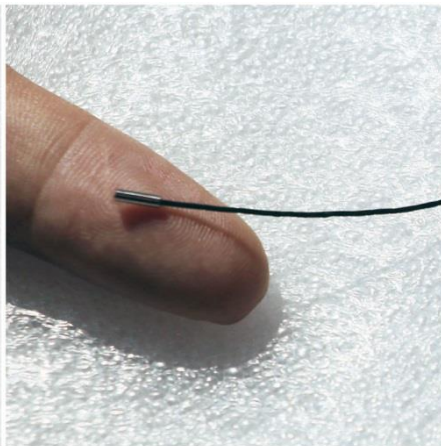
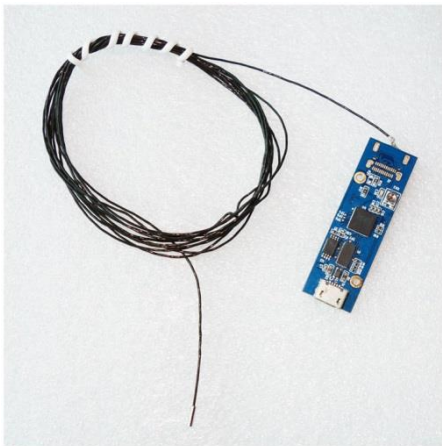
<b>Model No.</b>	NECM04USB-D104
<b>Sensor</b>	CMOS 1/36" OVM6948 0.04MP
<b>Resolution</b>	192*192P@30FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	120°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPEG
<b>Depth of field</b>	3-50mm
<b>White balance</b>	Auto
<b>Light</b>	4 LED
<b>Dimension</b>	Head Steel tube Φ1.4*L5mm
<b>PCB size</b>	46*14mm
<b>Length of cable</b>	5cm~5M, standard 2.2M
<b>Power</b>	5V / 120mA
<b>Material</b>	Steel shell tube head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65℃

### Features

- Super small head size Φ1.4mm,
- LED light,
- Different wires and interfaces can be customized.
- Waterproof head.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



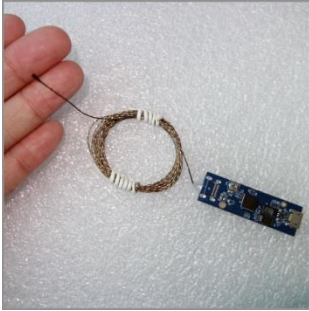
### Interface options



Support custom designed PCB shape and size, housing and cable and interface.

## Specification

### Endoscope Camera Module: 0.64\*0.64\*4mm



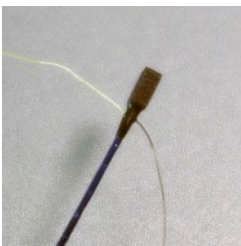
<b>Model No.</b>	NECM04USB-D009
<b>Sensor</b>	CMOS 1/36" OVM6948 0.04MP
<b>Resolution</b>	192*192P@30FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	120°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPEG
<b>Depth of field</b>	3-50mm
<b>White balance</b>	Auto
<b>Light</b>	No LED, But the wiring end is reserved
<b>Dimension</b>	Head 0.64*0.64m*4mm
<b>PCB size</b>	46*14mm
<b>Length of cable</b>	5cm~5M, standard 2.2M
<b>Power</b>	5V / 100mA
<b>Material</b>	Plastic head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65℃

### Features

- Super small head size 0.64\*0.64\*4mm,
- The welding wire end is reserved for LED light,
- Different wires and interfaces can be customized.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



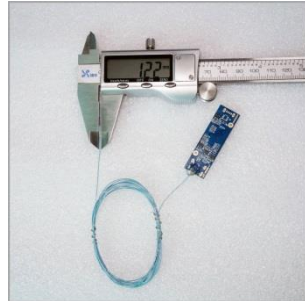
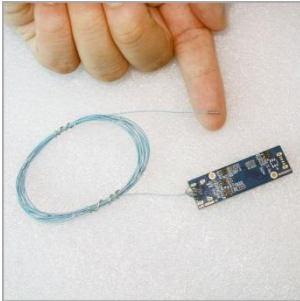
### Interface options



**Support custom designed PCB shape and size, housing and cable and interface.**

## Specification

### Endoscope Camera Module: $\Phi 1.2\text{mm}$



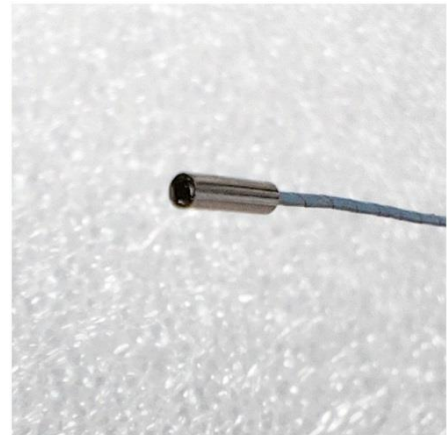
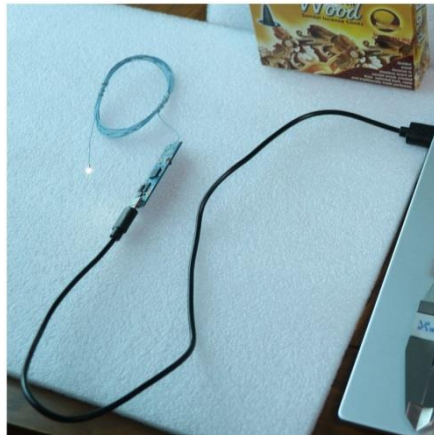
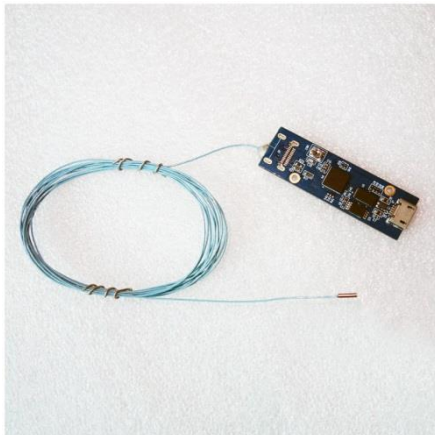
<b>Model No.</b>	NECM16USB-D102
<b>Sensor</b>	CMOS 1/31" OCHTA10 0.16MP
<b>Resolution</b>	384*384P@30FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	127°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPEG
<b>Depth of field</b>	3-30mm
<b>White balance</b>	Auto
<b>Light</b>	4 LED
<b>Dimension</b>	Head Steel tube $\Phi 1.2 \times L5\text{mm}$
<b>PCB size</b>	46*14mm
<b>Length of cable</b>	5cm~2.5M, standard 2.2M
<b>Power</b>	5V / 120mA
<b>Material</b>	Steel shell tube head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65°C

### Features

- Super small head size  $\Phi 1.2\text{mm}$ ,
- LED light,
- Different wires and interfaces can be customized.
- Waterproof head.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



### Interface options

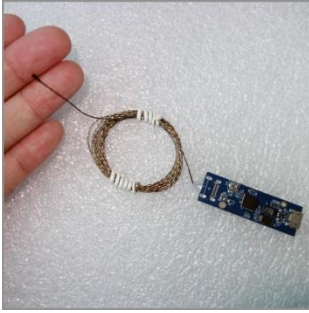


Support custom designed PCB shape and size, housing and cable and interface.



## Specification

**Endoscope Camera Module:** 0.65\*0.65\*4mm



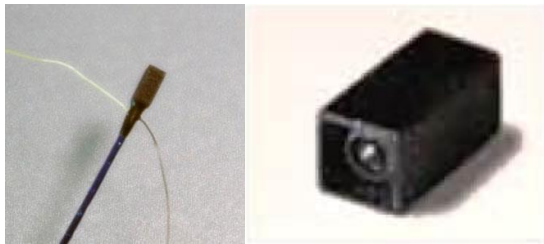
<b>Model No.</b>	NECM16USB-D009
<b>Sensor</b>	CMOS 1/31" OCHTA10 0.16MP
<b>Resolution</b>	384*384P@30FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	127°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPG
<b>Depth of field</b>	3-30mm
<b>White balance</b>	Auto
<b>Light</b>	No LED, But the wiring port is reserved
<b>Dimension</b>	Head 0.65*0.65m*4mm
<b>PCB size</b>	46*14mm
<b>Length of cable</b>	5cm~2.5M, standard 2.2M
<b>Power</b>	5V / 100mA
<b>Material</b>	Plastic head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65℃

### Features

- Super small head size 0.65\*0.65\*4mm,
- The welding wire end is reserved for LED light,
- Different wires and interfaces can be customized.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



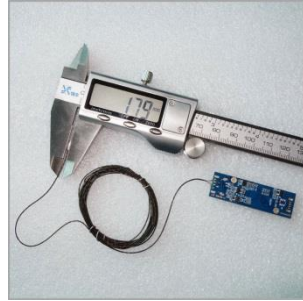
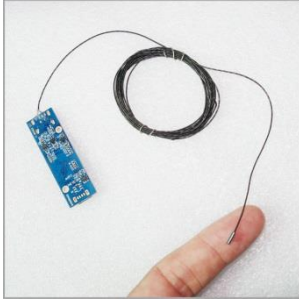
### Interface options



**Support custom designed PCB shape and size, housing and cable and interface.**

## Specification

### Endoscope Camera Module: $\Phi 1.8\text{mm}$



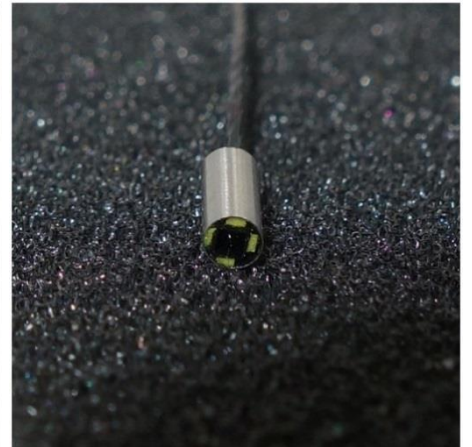
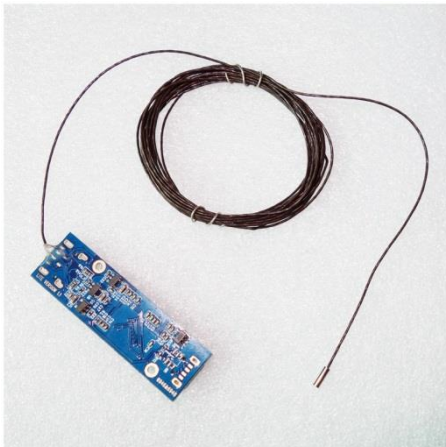
<b>Model No.</b>	NECM16USB-D200
<b>Sensor</b>	CMOS 1/18" OVM6946 0.16MP
<b>Resolution</b>	400*400P@30FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	120°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPEG
<b>Depth of field</b>	5-50mm
<b>White balance</b>	Auto
<b>Light</b>	4 LED
<b>Dimension</b>	Head Steel tube $\Phi 1.8 \times L5\text{mm}$
<b>PCB size</b>	46*14mm
<b>Length of cable</b>	5cm~5M, standard 2.2M
<b>Power</b>	5V / 120mA
<b>Material</b>	Steel shell tube head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65°C

### Features

- Ultra small head size  $\Phi 1.8\text{mm}$ ,
- LED light,
- Different wires and interfaces can be customized.
- Waterproof head.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



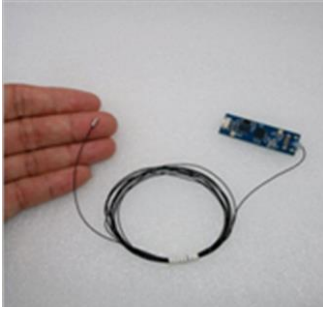
### Interface options



Support custom designed PCB shape and size, housing and cable and interface.

## Specification

### Endoscope Camera Module: $\Phi 2\text{mm}$



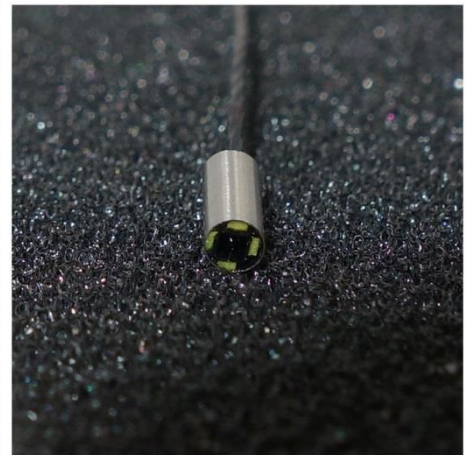
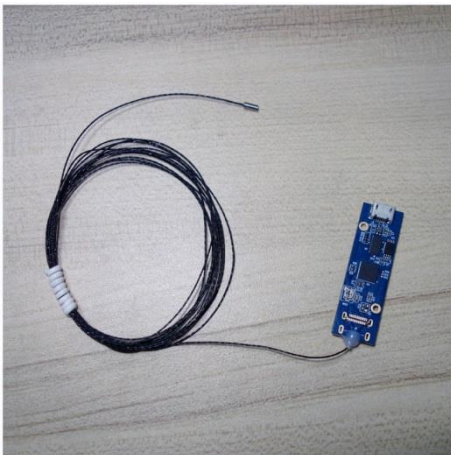
<b>Model No.</b>	NECM16USB-D200
<b>Sensor</b>	CMOS 1/18" OVM6946 0.16MP
<b>Resolution</b>	400*400P@30FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	120°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPG
<b>Depth of field</b>	5-50mm
<b>White balance</b>	Auto
<b>Light</b>	4 LED
<b>Dimension</b>	Head Steel tube $\Phi 2 * L5\text{mm}$
<b>PCB size</b>	46*14mm
<b>Length of cable</b>	5cm~5M, standard 2.2M
<b>Power</b>	5V / 120mA
<b>Material</b>	Steel shell tube head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65°C

### Features

- Ultra small head size  $\Phi 2\text{mm}$ ,
- LED light,
- Different wires and interfaces can be customized.
- Waterproof head.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



### Interface options

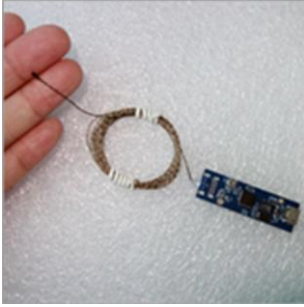


Support custom designed PCB shape and size, housing and cable and interface.



## Specification

### Endoscope Camera Module: 1.05\*1.05\*4mm



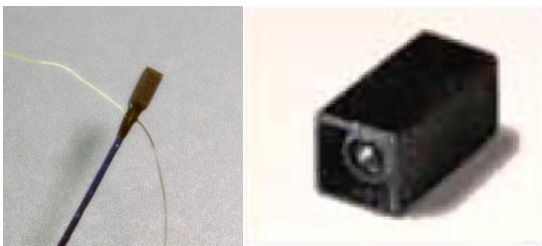
<b>Model No.</b>	NECM16USB-D105
<b>Sensor</b>	CMOS 1/18" OVM6946 0.16MP
<b>Resolution</b>	400*400P@30FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	120°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPG
<b>Depth of field</b>	5-50mm
<b>White balance</b>	Auto
<b>Light</b>	No LED, But the wiring end is reserved
<b>Dimension</b>	Head 1.05*1.05m*4mm
<b>PCB size</b>	46*14mm
<b>Length of cable</b>	5cm~5M, standard 2.2M
<b>Power</b>	5V / 100mA
<b>Material</b>	Plastic head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65℃

### Features

- Super small head size 1.05\*1.05\*4mm,
- The welding wire end is reserved for LED light,
- Different wires and interfaces can be customized.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



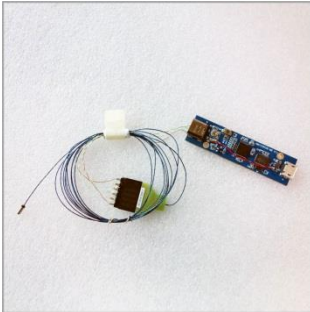
### Interface options



**Support custom designed PCB shape and size, housing and cable and interface.**

## Specification

### Endoscope Camera Module: $\Phi$ 2mm



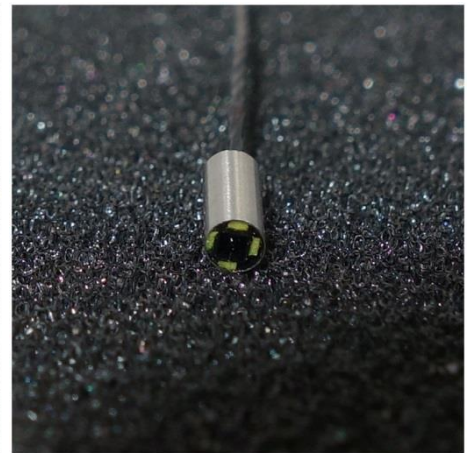
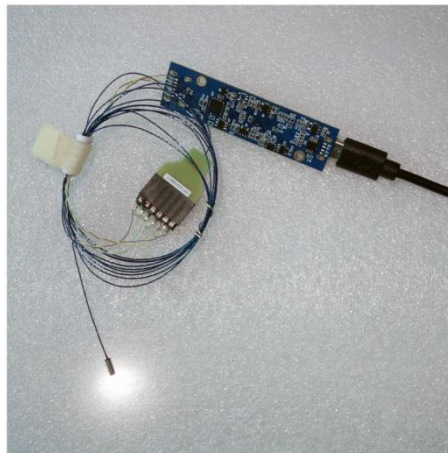
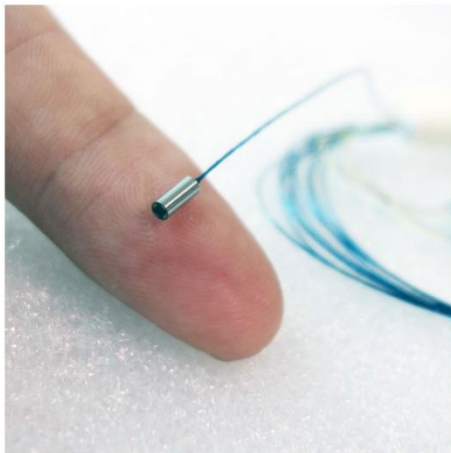
<b>Model No.</b>	NECM50USB-D200
<b>Sensor</b>	CMOS 1/18" OCHFA10 0.5MP
<b>Resolution</b>	720*720P@30FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	105°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPEG
<b>Depth of field</b>	5-50mm
<b>White balance</b>	Auto
<b>Light</b>	4 LED
<b>Dimension</b>	Head Steel tube $\Phi$ 2.0*L5mm
<b>PCB size</b>	56*15mm
<b>Length of cable</b>	5cm~2.5M, standard 2.2M
<b>Power</b>	5V / 120mA
<b>Material</b>	Steel shell tube head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65°C

### Features

- Super small head size  $\Phi$ 2mm, 0.5MP
- LED light,
- Different wires and interfaces can be customized.
- Waterproof head.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



### Interface options

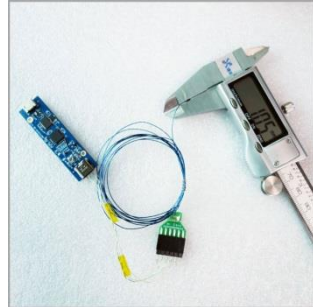
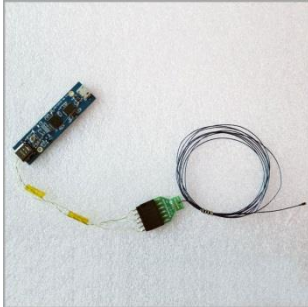


**Support custom designed PCB shape and size, housing and cable and interface.**



## Specification

**Endoscope Camera Module: 1.05\*1.05\*5mm**



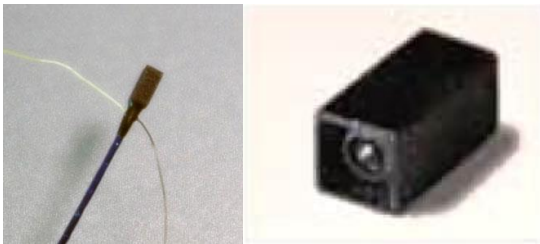
<b>Model No.</b>	NECM50USB-D105
<b>Sensor</b>	CMOS 1/18" OCHFA10 0.5MP
<b>Resolution</b>	720*720P@30FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	105°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPEG
<b>Depth of field</b>	5-50mm
<b>White balance</b>	Auto
<b>Light</b>	No LED, But the wiring end is reserved
<b>Dimension</b>	Head 1.05*1.05m*5mm
<b>PCB size</b>	56*15mm
<b>Length of cable</b>	5cm~2.5M, standard 2.2M
<b>Power</b>	5V / 100mA
<b>Material</b>	Plastic head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65°C

### Features

- Super small head size 1.05\*1.05\*5mm,
- The welding wire end is reserved for LED light,
- Different wires and interfaces can be customized.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



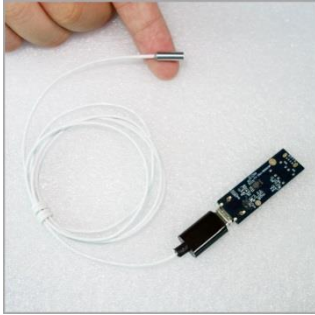
### Interface options



**Support custom designed PCB shape and size, housing and cable and interface.**

## Specification

### Endoscope Camera Module: $\Phi$ 4mm, MP



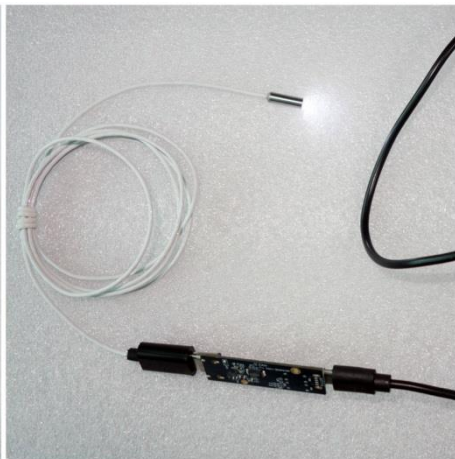
<b>Model No.</b>	NECM100USB-D309A
<b>Sensor</b>	CMOS 1/9" OV9734 1MP
<b>Resolution</b>	1280*720P@30FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	75~140°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPG
<b>Depth of field</b>	10-100mm
<b>White balance</b>	Auto
<b>Light</b>	4 LED
<b>Dimension</b>	Head Steel tube $\Phi$ 4*L12mm
<b>PCB size</b>	33*13.5mm
<b>Length of cable</b>	5cm~5M, standard 1M
<b>Power</b>	5V / 120mA
<b>Material</b>	Steel shell tube head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65°C

### Features

- Super small head size  $\Phi$ 4mm, 1MP HD
- LED light,
- Different wires and interfaces can be customized.
- Waterproof head.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



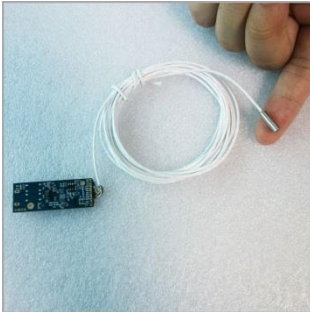
### Interface options



Support custom designed PCB shape and size, housing and cable and interface.

## Specification

### Endoscope Camera Module: $\Phi$ 4mm, 1MP HD, 60FPS



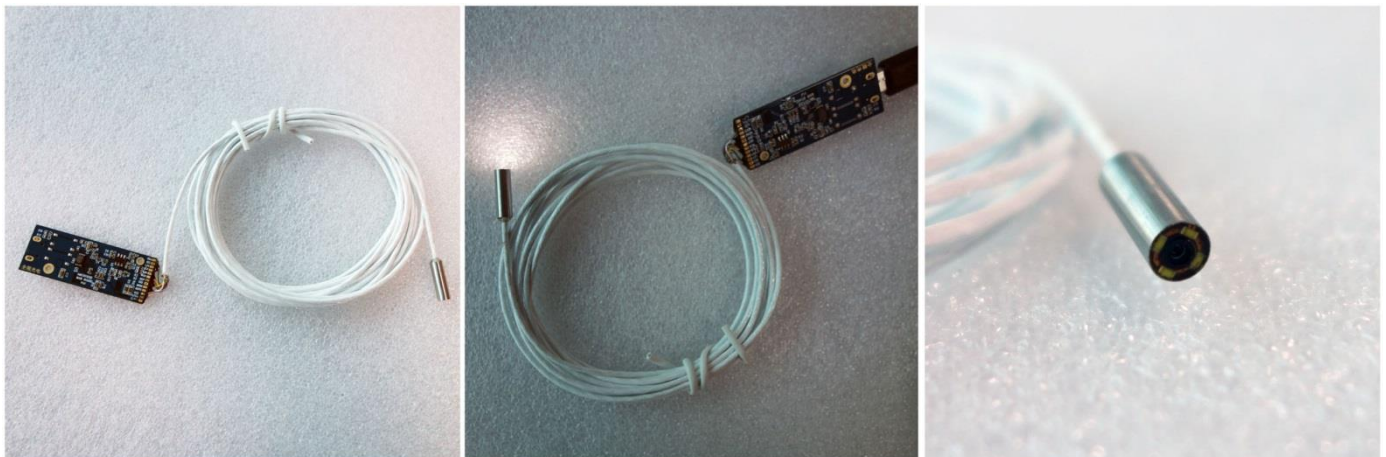
<b>Model No.</b>	NECM100USB-D309B
<b>Sensor</b>	CMOS 1/11" OH01A10 1MP
<b>Resolution</b>	1280*720P@60FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	70~130°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPEG
<b>Depth of field</b>	10-100mm
<b>White balance</b>	Auto
<b>Light</b>	4 LED
<b>Dimension</b>	Head Steel tube $\Phi$ 4*L12mm
<b>PCB size</b>	40*15mm
<b>Length of cable</b>	5cm~3.5M, standard 1M
<b>Power</b>	5V / 120mA
<b>Material</b>	Steel shell tube head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65°C

### Features

- Super small head size  $\Phi$ 4mm, 1MP HD, 60FPS
- LED light,
- Different wires and interfaces can be customized.
- Waterproof head.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



### Interface options



Support custom designed PCB shape and size, housing and cable and interface.



## Specification

**Endoscope Camera Module:  $\Phi$ 6mm, 2MP HD, 60FPS**



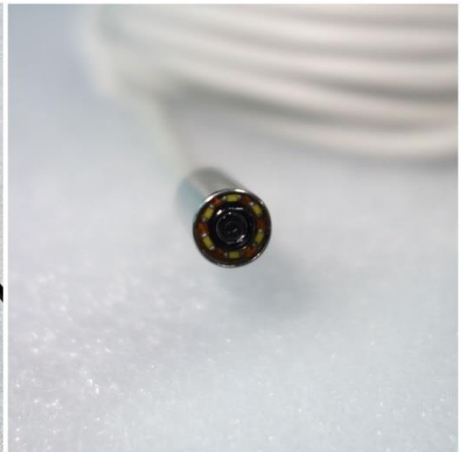
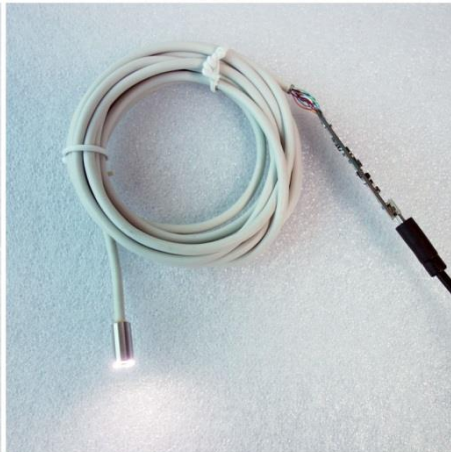
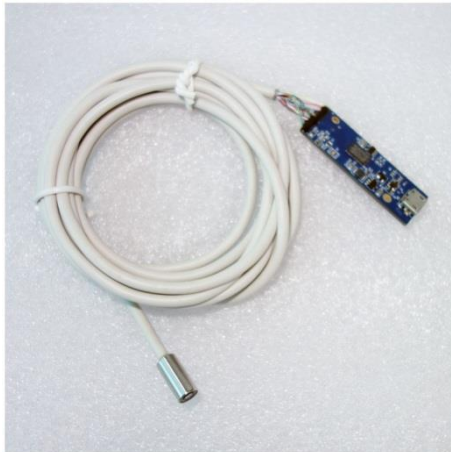
<b>Model No.</b>	NECM200USB-D600
<b>Sensor</b>	CMOS 1/6" OV2740 2MP
<b>Resolution</b>	1920*1080P@60FPS
<b>Output</b>	USB2.0,USB-A / TYPE-C / Micro USB
<b>FOV</b>	90~175°
<b>Focus</b>	Fixed
<b>Photo Format</b>	MJPEG
<b>Depth of field</b>	10-100mm
<b>White balance</b>	Auto
<b>Light</b>	6 LED
<b>Dimension</b>	Head Steel tube $\Phi$ 6*L12mm
<b>PCB size</b>	33*15mm
<b>Length of cable</b>	5cm~3M, standard 2M
<b>Power</b>	5V / 140mA
<b>Material</b>	Steel shell tube head
<b>System</b>	WIN7/8/10/Android/Apple Mac/Linux
<b>Temperature</b>	0~+65°C

### Features

- Super small head size  $\Phi$ 6mm, 2MP HD, 60FPS
- LED light,
- Different wires and interfaces can be customized.
- Waterproof head.

### Application Example

- Medical endoscope camera
- Industrial endoscope camera
- Vehicle repair endoscopic inspection
- Endoscopy of the pipeline



### Interface options



**Support custom designed PCB shape and size, housing and cable and interface.**