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Shenzhen CCDCAM Technology Co.,Ltd

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Shenzhen CCDCAM Technology Co.,Ltd is is a video-centric AIoT solution and service provider. With more than 20 years' technology and marketing experience,we've built up a strong experienced design team to assist you with all aspects of video products and service.

CCDCAM advances the core technologies of audio and video encoding, video image processing,and related data storage,as well as forward-looking technologies such as artificial intelligence.Committed to technological innovation,the company continues to explore emerging opportunities and has already established businesses in machine vision, robotics,FPV/UAV industial,video collaboration,smart fire safety,smart storage,smart security check,smart control,smart thermal imaging,etc. Accordingly,the company provides professional and customized solutions to meet diverse market requirements.All based on video intelligence technology — to explore channels for sustaining long-term development.

We adhere to the customer first,a deep understanding of customer needs,take the initiative to take responsibility;We always try our best to improve customer experience and satisfaction.Achieving long-term cooperation and win - win with our customers.

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IP Module

CCDCAM IP Module use low illumination image sensor, which provides excellent low illumination performance and clearer and more detailed images, making it suitable for various scenarios.

Supports advanced H.265 Main profile encoding technology. With the same image quality, the compressed code stream is twice that of H.264 encoding, enabling lower bit rates and higher definition image quality. At the same time, this product is compatible with H.264/MJPEG encoding, and can be accessed to mainstream H.264 encoding back-end devices on the industry.

More expansion function interfaces are reserved. through expansion board, IO alarms, SD cards, and corresponding functions can be supported, and users can adjust themselves according to their needs.

Good protocol compatibility, supports the standard ONVIF protocol, HIK/XM protocol and can provide a standard SDK for quick integration by customers.

This product is suitable for security monitoring in various scenarios such as residential buildings, campuses, shopping malls, offices, sports stadiums, parks, gas stations, etc.

IP Module Product List

Model No.	Feature	Specifications
IM20A02B	2.0MP@30fps 512Mb DDR2	1/2.8" IMX307 CMOS, 32x32mm, 1 RJ45 Ethernet, 1 audio input and output
IM20A01	2.0MP@30fps 512Mb DDR2	1/2.8" IMX307 CMOS, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, reserved TF card slot, USB interface, IO alarm, and hardware reset
IM20A03	2.0MP@60fps 1Gb DDR3L	1/2.8" IMX307 CMOS, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, 1 line out, expandable TF card reserved, USB interface, IO alarm, and hardware reset
IM40A01	4.0MP@30fps 1Gb DDR3L	1/2.7" GC4023 CMOS, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, expandable TF card reserved, USB interface, IO alarm, and hardware reset
IM50A01	5.0MP@30fps 1Gb DDR3L	1/2.8" IMX335 CMOS, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, TF card storage, USB interface, IO alarm, and hardware reset
IM50B01	5.0MP@30fps 1Gb DDR3L	1/2.8" GC5603 CMOS, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, TF card storage, USB interface, IO alarm, and hardware reset
IM50D01	5.0MP@30fps 1Gb DDR3L 1Tops	1/2.8" CMOS, SSC377QD+IMX335, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, expandable TF card reserved, USB interface, IO alarm, and hardware reset
IM50Q01	5.0MP@30fps 2Gb DDR3L 1Tops	1/2.8" CMOS, SSC377QE+IMX335, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, expandable TF card reserved, USB interface, IO alarm, and hardware reset
HM50C01	5.0MP@30fps 1Gb DDR3L IP+CVBS Video	1/2.8" IMX 335 CMOS, IP+CVBS hybrid video output, 2 UART, 1 audio input and output, expandable TF card reserved, USB interface, IO alarm, and hardware reset
MCL12B	5.0MP@30fps 1Gb DDR3L	1/2.8" IMX335 CMOS, 1 RJ45 Ethernet, 1 audio input and output, expandable TF card reserved, USB interface, IO alarm, and hardware reset
IM60A01	6.0MP@30fps 1Gb DDR3/3L	1/2.8" CMOS, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, expandable TF card reserved, USB interface, IO alarm, and hardware reset
IM80A01	4K@30fps 2Gb DDR3/3L 2.5Tops	1/2.8" IMX415 CMOS, with 16GB EMMC flash, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, expandable TF card reserved, USB interface, IO alarm, and hardware reset
IM80B01	4K@30fps 2Gb DDR3/3L 2.5Tops	1/1.8" IMX678 CMOS, with 16GB EMMC flash, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, expandable TF card reserved, USB interface, IO alarm, and hardware reset
IM80C01	4K@20fps 2Gb DDR3/3L 1Tops	1/2.8" IMX415 CMOS, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, expandable TF card reserved, USB interface, IO alarm, and hardware reset



Key Features

- 2MP,1/2.8" Sony STARVIS IMX307LQR CMOS
- Maximum resolution up to 1920x1080@30fps
- Support Motion Detection
- Support the P2P on Android, IOS(No default)
- Support two way audio
- Support ONVIF /HIK/ XM protocol
- Open SDK,CGI,support OPENIPC development

IM20A02B
2MP@30fps STARVIS IP Module

Specification	
Image Sensor	1/2.8" 2MP Sony STARVIS IMX307 CMOS
Min.Illumination	Color:0.01Lux B/W:0.005Lux
AGC	Auto/Manual
S/N Ratio	≥45dB(AGC OFF)
Shutter Speed	1/2 - 1/20,000s,Slow shutter support
Wide Dynamic Range	Digital WDR
Exposure Mode	Auto/Manual/shutter mode
White Balance	Auto/Manual/ATW/Indoor/Outdoor/lamp
Day & Night	External control(IR Cut Filter)
Main Stream	1920×1080/1280x960/1280x720@30fps
Sub Stream	640×480/480x360/352×288/176×144@30fps
Network Interface	1ch 10/100Base Ethernet,RJ45 interface
Power	DC 12V
Size	32x32mm
Work Temperature	-30°C~70°C
Work Humidity	≤90% RH(non-condensing)

Application Scenario



Key Features
IM20A01

- 2MP,1/2.8" Sony STARVIS IMX307LQR CMOS
 - Support ture WDR,1920x1080@30fps
- IM40A01**
- 4MP,1/2.7" GC4023 CMOS
 - Maximum resolution up to 2560x1440@20fps
 - Support humanoid detection motion detection
 - Support the P2P on Android,IOS(No default)
 - 2 UART ports,1 MIC in/1 Speaker out,daul-light or IR light control,2 alarm in/out,USB,Reset,TF card slot reserved,expandable RS485 reserved
 - Support ONVIF/HIK/XM protocol
 - Open SDK,CGI,Support OPENIPC development

IM20A01/IM40A01
2MP@30fps/4MP@20fps STARVIS IP Module

Specification	IM20A01	IM40A01
Image Sensor	1/2.8" 2MP Sony IMX307	1/2.7" 4MP GC4023
Min.Illumination	Color:0.01Lux B/W:0.005Lux	Color:0.02Lux B/W:0.01Lux
AGC	Auto/Manual	
S/N Ratio	≥45dB(AGC OFF)	
Shutter Speed	1/2 - 1/20,000s,Slow shutter support	
Wide Dynamic Range	Digital WDR	
Exposure Mode	Auto/Manual/shutter mode	
White Balance	Auto/Manual/ATW/Indoor/Outdoor/lamp	
Day & Night	External control(IR Cut Filter)	
Main Stream	1920×1080/1280x960@30fps	2560x1440@20fps
Sub Stream	640×480/480x360/352×288/176×144@30fps	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC 12V	
Size	38x38mm	
Work Temperature	-30°C~70°C	
Work Humidity	≤90% RH(non-condensing)	

Application Scenario





Key Features

- 2MP,1/2.8" Sony STARVIS IMX307LQR CMOS
- Support ture WDR,1920x1080@60fps (WDR OFF),1920x1080@30fps(WDR ON)
- Support humanoid detection motion detection
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,daul-light or IR light control,2 alarm in/out,USB,Reset, expandable TF card slot and RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development

IM20A03

2MP@60fps STARVIS IP Module

Specification

Image Sensor	1/2.8" 2MP Sony STARVIS IMX307 CMOS
Min.Illumination	Color:0.01Lux B/W:0.005Lux
AGC	Auto/Manual
S/N Ratio	≥45dB(AGC OFF)
Shutter Speed	1/2 - 1/20,000s,Slow shutter support
Wide Dynamic Range	Digital WDR
Exposure Mode	Auto/Manual/shutter mode
White Balance	Auto/Manual/ATW/Indoor/Outdoor/lamp
Day & Night	External control(IR Cut Filter)
Main Stream	1920×1080/1280x960/1280x720@60fps
Sub Stream	640×480/480x360/352×288/176×144@60fps
Network Interface	1ch 10/100Base Ethernet,RJ45 interface
Power	DC 12V
Size	38x38mm
Work Temperature	-30°C~70°C
Work Humidity	≤90% RH(non-condensing)

Application Scenario



IM50A01

IM50B01

Key Features

IM50A01

- 5MP,1/2.8" Sony IMX335 CMOS

IM50B01

- 5MP,1/2.8" GC5603 CMOS
- Maximum resolution up to 2592x1944@30fps
- Support humanoid detection motion detection
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,daul-light or IR light control,2 alarm in/out,USB,Reset,TF card slot reserved,expandable RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI, Support OPENIPC development

IM50A01/IM50B01

5MP@30fps IP Module

Specification

	IM50A01	IM50B01
Image Sensor	1/2.8" 5MP Sony IMX335 CMOS	1/2.8" 5MP GC5603 CMOS
Min.Illumination	Color:0.02Lux B/W:0.01Lux	Color:0.05Lux B/W:0.02Lux
AGC	Auto/Manual	
S/N Ratio	≥45dB(AGC OFF)	
Shutter Speed	1/2 - 1/20,000s,Slow shutter support	
Wide Dynamic Range	Digital WDR	
Exposure Mode	Auto/Manual/shutter mode	
White Balance	Auto/Manual/ATW/Indoor/Outdoor/lamp	
Day & Night	External control(IR Cut Filter)	
Main Stream	2592×1944/1920x1080/1280x960@30fps	
Sub Stream	640×480/480x360/352×288/176×144@30fps	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC 12V	
Size	38x38mm	
Work Temperature	-30°C~70°C	
Work Humidity	≤90% RH(non-condensing)	

Application Scenario





Key Features

IM50D01

- SigmaStar SSC377DE SOC,with 1Gb DDR3L

IM50Q01

- SigmaStar SSC377QE SOC,with 2Gb DDR3L
- 5MP,1/2.8" Sony STARVIS IMX335 CMOS
- Maximum resolution up to 2592x1944@30fps
- Support 1Tops AI computing power
- 2 UART ports,1 MIC in/1 Speaker out,daul-light or IR light control,2 alarm in/out,USB,Reset, expandable TF card slot reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI, Support OPENIPC development

IM50D01/IM50Q01
5MP@30fps STARVIS IP Module



Specification	IM50D01	IM50Q01
Image Sensor	1/2.8" 5MP Sony IMX335 CMOS	
Min.Illumination	Color:0.02Lux B/W:0.01Lux	
SOC	SigmaStar SSC377DE	SigmaStar SSC377QE
AGC	Auto/Manual	
Shutter Speed	1/2 - 1/20,000s,Slow shutter support	
Wide Dynamic Range	Digital WDR	
Exposure Mode	Auto/Manual/shutter mode	
White Balance	Auto/Manual/ATW/Indoor/Outdoor/lamp	
Day & Night	External control(IR Cut Filter)	
Main Stream	2592×1944/1920x1080/1280x960@30fps	
Sub Stream	640×480/480x360/352×288/176×144@30fps	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC 12V	
Size	38x38mm	
Work Temperature	-30°C~70°C	
Work Humidity	≤90% RH(non-condensing)	

Application Scenario



Key Features

- 5MP,1/2.8" Sony STARVIS IMX335 CMOS
- Maximum resolution up to 2592x1944@30fps
- Powered by SigmaStar SSC30KQ SOC
- Support humanoid detection motion detection
- Support the P2P on Android,IOS(No default)
- 1 MIC in/1 Speaker out,daul-light or IR light control,1 alarm in/out,USB,Reset,expandable TF card slot reserved
- Support ONVIF protocol
- Open SDK,CGI,Support OPENIPC development

MCL12B
5MP@30fps STARVIS IP Module



Specification	
Image Sensor	1/2.8" 5MP Sony STARVIS IMX335 CMOS
Min.Illumination	Color:0.002Lux B/W:0Lux
AGC	Auto/Manual
S/N Ratio	≥50dB(AGC OFF)
Shutter Speed	1/2 - 1/20,000s,Slow shutter support
Wide Dynamic Range	Digital WDR,≥120dB
Exposure Mode	Auto/Manual/shutter mode
White Balance	Auto/Manual/ATW/Indoor/Outdoor/lamp
Day & Night	External control(IR Cut Filter)
Main Stream	2592X1944/2592X1520/1920X1080@30fps
Sub Stream	640×480/480x360/352×288/176×144@30fps
Network Interface	1ch 10/100Base Ethernet,RJ45 interface
Power	DC12V
Size	38X38mm
Work Temperature	-30°C~70°C
Work Humidity	≤90% RH(non-condensing)

Application Scenario





Key Features

- 5MP,1/2.8" Sony STARVIS IMX335 CMOS
- Maximum resolution up to 2592x1944@30fps
- Support IP + CVBS hybrid video output
- Support humanoid detection motion detection
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,daul-light or IR light control,2 alarm in/out,USB,Reset, expandable TF card slot and RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development

HM50C01

5MP@30fps STARVIS IP+CVBS Module



Specification

Image Sensor	1/2.8" 5MP Sony STARVIS IMX335 CMOS
Min.Illumination	Color:0.02Lux B/W:0.01Lux
AGC	Auto/Manual
S/N Ratio	≥45dB(AGC OFF)
Shutter Speed	1/2 - 1/20,000s,Slow shutter support
Wide Dynamic Range	Digital WDR
Exposure Mode	Auto/Manual/shutter mode
White Balance	Auto/Manual/ATW/Indoor/Outdoor/lamp
Day & Night	External control(IR Cut Filter)
Main Stream	2592×1944/1920x1080/1280x960@30fps
Sub Stream	640×480/480x360/352×288/176×144@30fps
Network Interface	1ch 10/100Base Ethernet,RJ45 interface
Power	DC 12V
Size	38x38mm
Work Temperature	-30°C~70°C
Work Humidity	≤90% RH(non-condensing)

Application Scenario



IM60A01

IM80C01

Key Features

IM60A01

- 6MP,1/2.8" CMOS
- Maximum resolution up to 3072x2048@30fps

IM80C01

- 8MP,1/2.8" Sony STARVIS IMX415 CMOS
- Maximum resolution up to 3840x2160@20fps
- Powered by Hi3516CV610 AI SOC,1Tops
- Support humanoid detection motion detection
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,daul-light or IR light control,2 alarm in/out,USB,Reset, expandable TF card slot and RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI, Support OPENIPC development

IM60A01/IM80C01

6MP@30fps/8MP@20fps STARVIS AI IP Module

Specification

	IM60A01	IM80C01
Image Sensor	1/2.8" 6MP STARVIS CMOS	1/2.8" 8MP IMX415 CMOS
Min.Illumination	Color:0.05Lux B/W:0.01Lux	Color:0.001Lux B/W:0Lux
AGC	Auto/Manual	
S/N Ratio	≥45dB(AGC OFF)	
Shutter Speed	1/2 - 1/20,000s,Slow shutter support	
Wide Dynamic Range	Digital WDR	
Exposure Mode	Auto/Manual/shutter mode	
White Balance	Auto/Manual/ATW/Indoor/Outdoor/lamp	
Day & Night	External control(IR Cut Filter)	
Main Stream	3072×2048@30fps	3840×2160@20fps
Sub Stream	640×480/480x360/352×288/176×144@30fps	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC 12V	
Size	38x38mm	42x42mm
Work Temperature	-30°C~70°C	
Work Humidity	≤90% RH(non-condensing)	

Application Scenario





IM80A01



IM80B01

Key Features

IM80A01:

- 8MP,1/2.8" Sony STARVIS IMX415 CMOS

IM80B01:

- 8MP,1/1.8" Sony STARVIS IMX678 CMOS
- Maximum resolution up to 3840x2160@30fps
- Support 2.5Tops AI computing power
- Large storage space,with 16GB EMMC flash
- Support humanoid detection motion detection
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,dual-light or IR light control,2 alarm in/out,USB,Reset, expandable TF card slot and RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development

IM80A01/IM80B01
8MP@30fps STARVIS AI IP Module

Specification	IM80A01	IM80B01
Image Sensor	1/2.8" 8MP Sony IMX415 CMOS	1/1.8" 8MP Sony IMX678 CMOS
Min.Illumination	Color:0.005Lux B/W:0Lux	Color:0.001Lux B/W:0Lux
AGC	Auto/Manual	
S/N Ratio	≥50dB(AGC OFF)	
Shutter Speed	1/2 - 1/20,000s,Slow shutter support	
Wide Dynamic Range	Digital WDR,≥120dB	
Exposure Mode	Auto/Manual/shutter mode	
White Balance	Auto/Manual/ATW/Indoor/Outdoor/lamp	
Day & Night	External control(IR Cut Filter)	
Main Stream	3840X2160/2880X1620/2560X1440@30fps	
Sub Stream	640×480/480x360/352×288/176×144@30fps	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC12V	
Size	38X38+45X45mm	
Work Temperature	-20°C~70°C	
Work Humidity	≤90% RH(non-condensing)	

Application Scenario



Family



Office



Shop



Supermarket

IP Integrated Optical Zoom Module

CCDCAM IP Integrated Optical Zoom Module adopts a low light image sensor, paired with a high-definition optical zoom lens, excellent autofocus algorithm, providing excellent low light performance and clearer images, faster focusing effect, making it suitable for various scenes.

Adopting an efficient automatic synchronous focusing algorithm, the product is able to synchronously focus throughout the entire motion process, ensuring that the image remains clear at all times.

Supports advanced H.265 Main profile encoding technology. With the same image quality, the compressed code stream is twice that of H.264 encoding, enabling lower bit rates and higher definition image quality.At the same time, this product is compatible with H.264/MJPEG encoding,and can be accessed to mainstream H.264 encoding back-end devices on the industry.

Powerful compatibility, supporting ONVIF, HIK and XM protocols facilitate access to third-party backends.

Rich hardware interfaces, supporting bidirectional audio, TF card storage, USB interface, IO alarm, and hardware reset function.

Suitable for intelligent robots, intelligent machine vision, and intelligent security industries.

IP Integrated Optical Zoom Module List

Model No.	Feature	Specifications
IM20A01-4X	2.0MP@30fps 512Mb DDR2	1/2.8" IMX307 CMOS,3.18-10.55mm 4X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset
IM20A01-10X	2.0MP@30fps 512Mb DDR2	1/2.8" IMX307 CMOS,5-50mm 10X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset
HT7210	2.0MP@30fps 512Mb DDR2	1/2.8" IMX307 CMOS,5-50mm 10X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset
HT7220	2.0MP@30fps 512Mb DDR2	1/2.8" IMX307 CMOS,5.3-106mm 20X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset
IM20A03-4X	2.0MP@60fps 1Gb DDR3L	1/2.8" IMX307 CMOS,3.18-10.55mm 4X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,expandable TF card reserved,USB,IO alarm,and hardware reset
IM20A03-10X	2.0MP@60fps 1Gb DDR3L	1/2.8" IMX307 CMOS,5-50mm 10X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,expandable TF card reserved,USB,IO alarm,and hardware reset
HT7210B	2.0MP@60fps 1Gb DDR3L	1/2.8" IMX307 CMOS,5-50mm 10X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,expandable TF card reserved,USB,IO alarm,and hardware reset
HT7220B	2.0MP@60fps 1Gb DDR3L	1/2.8" IMX307 CMOS,5.3-106mm 20X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,expandable TF card reserved,USB,IO alarm,and hardware reset
IM50A01-4X	5.0MP@30fps 1Gb DDR3L	1/2.8" IMX335 CMOS,3.18-10.55mm 4X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset
IM50A01-10X	5.0MP@30fps 1Gb DDR3L	1/2.8" IMX335 CMOS,5-50mm 10X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset
HT7510	5.0MP@30fps 1Gb DDR3L	1/2.8" IMX335 CMOS,5-50mm 10X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset
HT7520	5.0MP@30fps 1Gb DDR3L	1/2.8" IMX335 CMOS,5.3-106mm 20X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset
IM20A01-T04	2.0MP@30fps 512Mb DDR2	1/2.8" IMX307 CMOS,6-22mm 4X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset
IM50A01-T04	5.0MP@30fps 1Gb DDR3L	1/2.8" IMX335 CMOS,6-22mm 4X optical zoom,1 RJ45 Ethernet,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset



Key Features

IM20A01-4X

- 2MP,1/2.8" Sony IMX307 CMOS
- Max resolution up to 1920x1080@30fps

IM50A01-4X

- 5MP,1/2.8" Sony IMX335 CMOS
- Max resolution up to 2592x1944@30fps
- 4x optical fast focusing with clear images
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,dual-light or IR light control,2 alarm in/out,USB,Reset,TF card slot reserved,expandable RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development

IM20A01-4X/IM50A01-4X

2MP@30fps/5MP@30fps 4X IP Zoom Module

Specification	IM20A01-4X	IM50A01-4X
Image Sensor	1/2.8" 2MP IMX307 CMOS	1/2.8" 5MP IMX335 CMOS
Min.Illumination	Color:0.01Lux B/W:0Lux	Color:0.02Lux B/W:0Lux
S/N Ration	≥50dB(AGC OFF)	
Exposure Mode	Program mode,shutter mode	
Electronic Shutter	1/2 - 1/20,000s,Slow shutter support	
D/N Mode	Auto ICR filter,fixed color,external	
Focus Distance	3.18mm-10.55mm(F1.7-F3.0)	
Field of View Angle	108°(near)/ 32°(far)	
Main Stream	1920x1080@30fps	2592x1944@30fps
Sub Stream	640×480/480x360/352×288@30fps	
SD Storage	TF card storage(optional)	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC12V	
Size	38x44x60mm	
Work Temperature	-30°C~70°C	
Work Humidity	10%-90% RH(non-condensing)	

Application Scenario



Government



Square



School



CBD



Key Features

IM20A01-10X

- 2MP,1/2.8" Sony IMX307 CMOS
- Max resolution up to 1920x1080@30fps

IM50A01-10X

- 5MP,1/2.8" Sony IMX335 CMOS
- Max resolution up to 2592x1944@30fps
- 10x optical fast focusing with clear images
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,daul-light or IR light control,2 alarm in/out,USB,Reset,TF card slot reserved,expandable RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development

IM20A01-10X/IM50A01-10X

2MP@30fps/5MP@30fps 10X IP Zoom Module

Specification	IM20A01-10X	IM50A01-10X
Image Sensor	1/2.8" 2MP IMX307 CMOS	1/2.8" 5MP IMX335 CMOS
Min.Illumination	Color:0.01Lux B/W:0Lux	Color:0.02Lux B/W:0Lux
S/N Ration	≥50dB(AGC OFF)	
Exposure Mode	Program mode,shutter mode	
Electronic Shutter	1/2 - 1/20,000s,Slow shutter support	
D/N Mode	Auto ICR filter,fixed color,external	
Focus Distance	5mm-50mm(F1.6~F2.5)	
Field of View Angle	72°(near)/7°(far)	
Main Stream	1920x1080@30fps	2592x1944@30fps
Sub Stream	640×480/480x360/352×288@30fps	
SD Storage	TF card storage(optional)	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC 12V	
Size	38x44x66mm	
Work Temperature	-30°C~70°C	
Work Humidity	10%-90% RH(non-condensing)	

Application Scenario



Government



Square



School



CBD



Key Features

HT7210

- 2MP,1/2.8" Sony IMX307 CMOS
- Max resolution up to 1920x1080@30fps

HT7510

- 5MP,1/2.8" Sony IMX335 CMOS
- Max resolution up to 2592x1944@30fps
- 10x optical fast focusing with clear images
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,daul-light or IR light control,2 alarm in/out,USB,Reset,TF card slot reserved,expandable RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development

HT7210/HT7510

2MP@30fps/5MP@30fps 10X IP Integrated Optical Zoom Module

Specification	HT7210	HT7510
Image Sensor	1/2.8" 2MP IMX307 CMOS	1/2.8" 5MP IMX335 CMOS
Min.Illumination	Color:0.01Lux B/W:0Lux	Color:0.02Lux B/W:0Lux
S/N Ration	≥50dB(AGC OFF)	
Exposure Mode	Program mode,shutter mode	
Electronic Shutter	1/2 - 1/20,000s,Slow shutter support	
D/N Mode	Auto ICR filter,fixed color,external	
Focus Distance	5mm-50mm(F1.6~F2.5)	
Field of View Angle	72°(near)/ 7°(far)	
Main Stream	1920x1080@30fps	2592x1944@30fps
Sub Stream	640×480/480x360/352×288@30fps	
SD Storage	TF card storage(optional)	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC12V	
Size	38x44x66mm	
Work Temperature	-30°C~70°C	
Work Humidity	10%-90% RH(non-condensing)	

Application Scenario



Government



Square



School



CBD



Key Features

HT7220

- 2MP,1/2.8" Sony IMX307 CMOS
- Max resolution up to 1920x1080@30fps

HT7520

- 5MP,1/2.8" Sony IMX335 CMOS
- Max resolution up to 2592x1944@30fps
- 20x optical fast focusing with clear images
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,dual-light or IR light control,2 alarm in/out,USB,Reset,TF card slot reserved,expandable RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development

HT7220/HT7520

2MP@30fps/5MP@30fps 20X IP Integrated Optical Zoom Module

Specification	HT7220	HT7520
Image Sensor	1/2.8" 2MP IMX307 CMOS	1/2.8" 5MP IMX335 CMOS
Min.Illumination	Color:0.01Lux B/W:0Lux	Color:0.02Lux B/W:0Lux
S/N Ration	≥50dB(AGC OFF)	
Exposure Mode	Program mode,shutter mode	
Electronic Shutter	1/2 - 1/20,000s,Slow shutter support	
D/N Mode	Auto ICR filter,fixed color,external	
Focus Distance	5.3mm-106mm(F1.7~F3.6)	
Field of View Angle	45°(near)/3°(far)	
Main Stream	1920x1080@30fps	2592x1944@30fps
Sub Stream	640×480/480x360/352×288@30fps	
SD Storage	TF card storage(optional)	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC 12V	
Size	45x48x87mm	
Work Temperature	-30°C~70°C	
Work Humidity	10%-90% RH(non-condensing)	

Application Scenario



Government



Square



School



CBD



IM20A03-4X



IM20A03-10X

Key Features

- 2MP,1/2.8" Sony IMX307 CMOS
- Max resolution up to 1920x1080@60fps
- Color:0.01Lux@F1.2 B/W:0.005Lux@F1.2
- 4X/10X optical fast focusing with clear images
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,dual-light or IR light control,2 alarm in/out,USB,Reset,expandable TF card slot and RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development

IM20A03-4X/10X

2MP@60fps 4X/10X IP Zoom module

Specification	IM20A03-4X	IM20A03-10X
Image Sensor	1/2.8" 2MP IMX307 CMOS	
WDR	50dB	
S/N Ration	≥50dB(AGC OFF)	
Exposure Mode	Program mode,shutter mode	
Electronic Shutter	1/2 - 1/20,000s,Slow shutter support	
D/N Mode	Auto ICR filter,fixed color,external	
Focus Distance	3.18mm -10.55mm(F1.7-F3.0)	5mm-50mm(F1.6~F2.5)
Field of View Angle	108°(near)/32°(far)	72°(near)/7°(far)
Main Stream	1920x1080@60fps	
Sub Stream	640×480/480x360/352×288@60fps	
SD Storage	TF card storage(optional)	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC12V	
Size	38x44x60mm	38x44x66mm
Work Temperature	-30°C~70°C	
Work Humidity	10%-90% RH(non-condensing)	

Application Scenario



Government



Square



School



CBD



HT7210B



HT7220B

Key Features

- 2MP,1/2.8" Sony IMX307 CMOS
- Max resolution up to 1920x1080@60fps
- Color:0.01Lux@F1.2 B/W:0.005Lux@F1.2
- 10X/20X optical fast focusing with clear images
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,dual-light or IR light control,2 alarm in/out,USB,Reset, expandable TF card slot and RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development

HT7210B/HT7220B

2MP@60fps 10X/20X IP Integrated Optical Zoom Module

Specification	HT7210B	HT7220B
Image Sensor	1/2.8" 2MP IMX307 CMOS	
WDR	50dB	
S/N Ration	≥50dB(AGC OFF)	
Exposure Mode	Program mode,shutter mode	
Electronic Shutter	1/2 - 1/20,000s,Slow shutter support	
D/N Mode	Auto ICR filter,fixed color,external	
Focus Distance	5mm-50mm(F1.6~F2.5)	5.3mm-106mm(F1.7-F3.6)
Field of View Angle	72°(near)/7°(far)	45°(near)/3°(far)
Main Stream	1920x1080@60fps	
Sub Stream	640×480/480x360/352×288@60fps	
SD Storage	TF card storage(optional)	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC 12V	
Size	38x44x66mm	45x48x87mm
Work Temperature	-30°C~70°C	
Work Humidity	10%-90% RH(non-condensing)	

Application Scenario



Government



Square



School



CBD



Key Features

IM20A01-T04

- 1/2.8" 2MP Sony IMX307 CMOS
- Max resolution up to 1920x1080@30fps

IM50A01-T04

- 1/2.8" 5MP Sony IMX335 CMOS
- Max resolution up to 2592x1944@30fps
- 4x optical fast focusing with clear images
- Support the P2P on Android,IOS(No default)
- 2 UART ports,1 MIC in/1 Speaker out,dual-light or IR light control,2 alarm in/out,USB,Reset, expandable TF card slot and RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development

IM20A01-T04/IM50A01-T04

2MP@30fps/5MP@30fps 4X IP Zoom module

Specification	IM20A01-T04	IM50A01-T04
Image Sensor	1/2.8" 2MP IMX307 CMOS	1/2.8" 5MP IMX335 CMOS
Min.Illumination	Color:0.01Lux B/W:0Lux	Color:0.02Lux B/W:0Lux
S/N Ration	≥50dB(AGC OFF)	
Exposure Mode	Program mode,shutter mode	
Electronic Shutter	1/2 - 1/20,000s,Slow shutter support	
D/N Mode	Auto ICR filter,fixed color,external	
Focus Distance	6mm-22mm(F1.6)	
Field of View Angle	41°(near)/16°(far)	
Main Stream	1920x1080@30fps	2592x1944@30fps
Sub Stream	640×480/480x360/352×288@30fps	
SD Storage	TF card storage(optional)	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC12V	
Size	38x40x60mm	
Work Temperature	-30°C~70°C	
Work Humidity	10%-90% RH(non-condensing)	

Application Scenario



Government



Square



School



CBD

Robot Vision Integrated Zoom Module

High-Precision Zoom

The zoom mechanism enables high-precision optical zoom, ensuring clear images at various focal lengths. With an ultra-close focusing distance of up to 0.1m, it meets the high demands of robots for detailed imaging.

Fast Auto Zoom and Focus

Equipped with rapid zoom and focus capabilities, it can quickly adjust the focal length and achieve sharp focus in different distance scenarios. The focus speed is within 300ms, enhancing the robot's responsiveness.

Wide Adjustable Field of View (FOV)

Featuring a high-ratio optical zoom lens, it provides a wide and adjustable field of view, allowing robots to capture broad scenes or zoom in for detailed observation. Ideal for monitoring applications requiring a large variable FOV.

High-Resolution Imaging

Integrated with a high-resolution sensor, it captures detailed and rich images, improving the robot's recognition capabilities in complex environments.

Compact Design

The compact size facilitates easy integration into robotic systems, making it suitable for applications with limited space. Capable of operating under varying lighting, temperature (-30°C to 60°C), and humidity (up to 95%) conditions, it ensures stable performance in both indoor and outdoor environments.

Low Power Consumption

Designed with energy efficiency in mind, it reduces power consumption, extends the robot's operational time, and minimizes the need for frequent charging or battery replacement.

High Reliability

Built with a fixed filter design, it offers excellent resistance to vibration and shock, ensuring stable performance in harsh industrial environments and long-term reliability.

Intelligent Image Processing

Integrated with advanced image processing features such as auto exposure, white balance, noise reduction, and wide dynamic range (WDR), it enhances image quality and improves the robot's visual analysis capabilities.

Multi-Interface Compatibility

Supports various communication interfaces (RJ45, HDMI, USB, UART), ensuring seamless integration with different robotic systems and enhancing compatibility.

Strong Environmental Adaptability

Robot Vision Integrated Zoom Module List

Model No.	Feature	Specifications
HR8210	2.0MP@30fps 512Mb DDR2	1/2.8" IMX307 CMOS, 5-50mm 10X optical zoom, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, expandable TF card reserved, USB interface, IO alarm, and hardware reset
HR8220	2.0MP@30fps 512Mb DDR2	1/2.8" IMX307 CMOS, 5.3-106mm 20X optical zoom, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, expandable TF card reserved, USB, IO alarm, and hardware reset
HR8510	5.0MP@30fps 1Gb DDR3L	1/2.8" IMX335 CMOS, 5-50mm 10X optical zoom, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, reserved TF card slot, USB interface, IO alarm, and hardware reset
HR8520	5.0MP@30fps 1Gb DDR3L	1/2.8" IMX335 CMOS, 5.3-106mm 20X optical zoom, 1 RJ45 Ethernet, 2 UART, 1 audio input and output, reserved TF card slot, USB interface, IO alarm, and hardware reset



Key Features

HR8210

- 2MP ,1/2.8" Sony IMX307 CMOS
- Max resolution up to 1920x1080@60fps

HR8510

- 5.0MP,1/2.8" Sony IMX335 CMOS
- Max resolution up to 2592x1944@30fps
- 10x optical fast focusing with clear images
- Ultra-close focusing distance (0.1m) and fast focus (under 0.3s)
- 2 UART ports,1 MIC in/1 Speaker out,dual-light or IR light control,2 alarm in/out,USB,Reset, expandable TF card slot and RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development



HR8210/HR8510

2MP@60fps/5MP@30fps 10X Robot Vision Integrated Zoom Module

Specification	HR8210	HR8510
Image Sensor	1/2.8" 2MP IMX307 CMOS	1/2.8" 5MP IMX335 CMOS
Min.Illumination	Color:0.01Lux B/W:0Lux	Color:0.02Lux B/W:0Lux
S/N Ration	≥50dB(AGC OFF)	
Exposure Mode	Program mode,shutter mode	
Electronic Shutter	1/2 - 1/20,000s,Slow shutter support	
D/N Mode	Auto ICR filter,fixed color,external	
Focus Distance	5mm-50mm(F1.6-F2.5)	
Field of View Angle	72°(near)/ 7°(far)	
Main Stream	1920x1080@60fps	2592x1944@30fps
Sub Stream	640×480/480x360/352×288@30fps	
SD Storage	TF card storage(optional)	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC12V	
Size	38x44x66mm	
Work Temperature	-30°C~70°C	
Work Humidity	10%-90% RH(non-condensing)	

Application Scenario



Government

Square

School

CBD

Key Features

HR8220

- 2MP ,1/2.8" Sony IMX307 CMOS
- Max resolution up to 1920x1080@60fps

HR8520

- 5.0MP,1/2.8" Sony IMX335 CMOS
- Max resolution up to 2592x1944@30fps
- 10x optical fast focusing with clear images
- Ultra-close focusing distance (0.1m) and fast focus (under 0.3s)
- 2 UART ports,1 MIC in/1 Speaker out,dual-light or IR light control,2 alarm in/out,USB,Reset, expandable TF card slot and RS485 reserved
- Support ONVIF/HIK/XM protocol
- Open SDK,CGI,Support OPENIPC development



HR8220/HR8520

2MP@60fps/5MP@30fps 20X Robot Vision Integrated Zoom Module

Specification	HR8220	HR8520
Image Sensor	1/2.8" 2MP IMX307 CMOS	1/2.8" 5MP IMX335 CMOS
Min.Illumination	Color:0.01Lux B/W:0Lux	Color:0.02Lux B/W:0Lux
S/N Ration	≥50dB(AGC OFF)	
Exposure Mode	Program mode,shutter mode	
Electronic Shutter	1/2 - 1/20,000s,Slow shutter support	
D/N Mode	Auto ICR filter,fixed color,external	
Focus Distance	5.3mm-106mm(F1.7~F3.6)	
Field of View Angle	45°(near)/3°(far)	
Main Stream	1920x1080@60fps	2592x1944@30fps
Sub Stream	640×480/480x360/352×288@30fps	
SD Storage	TF card storage(optional)	
Network Interface	1ch 10/100Base Ethernet,RJ45 interface	
Power	DC 12V	
Size	45x48x87mm	
Work Temperature	-30°C~70°C	
Work Humidity	10%-90% RH(non-condensing)	

Application Scenario



Government

Square

School

CBD

FPV/UAV Vision Solution

Analog FPV/UAV Vision Mini Module

Digital FPV/UAV Vision Module

Digital FPV/UAV Vision Integrated Zoom Module

CCDCAM FPV/UAV Vision Solution Module has the following characteristics:

Equipped with HD sensors and large aperture lenses, supporting HDR dynamic range imaging to retain fine details in both high-light and low-light conditions.

High frame rate output, supporting 60fps,90fps,120fps,with smoother video frames, suitable for high-speed photography.

Features multi-frame fusion technology,Starlight level night vision,Sony STARVIS CMOS,with excellent low noise suppression suitable for night surveillance and astronomical photography.

Supports analog or network video output,suitable for multiple drone platforms.

The zoom movement series supports fast focusing, with small size and light weight

Ultra low power consumption design, more cost-effective,greatly reducing the pressure on drone battery life.

Adopting lightweight design,the mini analog camera weighs as low as 1.6g.

The equipment, when combined with unmanned aerial vehicle platforms, can be widely used in fields such as public safety, photogrammetry, power inspection, petrochemical facility inspection, agriculture, forestry protection, etc.

FPV/UAV Vision Solution List

Model No.	Feature	Specifications
A1	Analog Video 960P@60fps	1/3" SONY CMOS,,Light-weight design, Size:10x13.5x15mm,Weight 1.6g.
F1	Digital Video 1080P@90fps 720P@120fps	1/2.8" SONY IMX415 CMOS,1080P@60fps,1080P@90fps,720P@120fps. 5G WIFI antenna,Amplifier:29dBm,Weight 30g
HU6210	Digital Video 2.0MP@60fps 5-50mm 10X	1/2.8" IMX307 CMOS,Sony LVDS digital video out,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset
HU6220	Digital Video 2.0MP@60fps 5.3-106mm 20X	1/2.8" IMX307 CMOS,Sony LVDS digital video out,2 UART,1 audio input and output,reserved TF card slot,USB interface,IO alarm,and hardware reset



Key Features



- 1/3" Sony CMOS
- 1280x960@60fps
- Color:0.01Lux@F2.0
- Analog video output, ultra-low latency
- Wide Dynamic Range greater than 100dB
- Ultra large wide-angle lens,HFOV 110°
- lightweight design:weight≤1. 5g
- Mini design,size 10x13.5x15mm

A1 Mini Analog Module

1.3MP@60fps Analog FPV/UAV Vision Module

Specification

Image Sensor	1/3"Sony CMOS
WDR	≥100dB
S/N Ration	56dB(AGC OFF)
Shutter type	Rolling Shutter
Video out	Analog video output
Maximum Resolution	1280x960@60fps
Field of View Angle	DFOV 170°,HFOV 110°,VFOV 95°
Mirror/Flip	Support
Day&light	Day,Full color output
Power	DC 3.2-5.5V
Working current	100mA@5V
Size	10x13.5x15mm
Weight	≤1.6g
Work Temperature	-30°C~70°C
Work Humidity	10%-90% RH(non-condensing)

Application Scenario



Agriculture



Forestry



Energy



Fire rescue

Key Features



- 1/2.8" Sony IMX415 CMOS
- 1920x1080@60fps, 1920x1080@90fps, 1280x720@120fps
- Support digital video out interface
- Ultra large wide-angle lens,FOV 160°
- TF card storage supports a maximum of 512GB
- Lightweight design:weight 30g
- Mini design,size 30x30mm+32x32mm

F1 Digital Module

1MP@120fps Digital FPV/UAV Vision Module

Specification

Image Sensor	1/2.8" 8MP IMX415 CMOS
WDR	50dB
S/N Ration	≥50dB(AGC OFF)
Exposure Mode	Program mode,shutter mode
Electronic Shutter	1/2 - 1/20,000s
D/N Mode	Auto ICR filter,fixed color,external
Field of View Angle	FOV 160°
Maximum Resolution	1080P@60fps/1080P@90fps/720P@120fps
Digital Interface	Support digital video out interface
WIFI	IPEX1(5G)
Antenna gain	29dBm
SD Storage	TF card storage supports a maximum of 512GB
Power	DC9-30V(Suggest using BEC for power supply)
Size	30x30mm+32x32mm
Work Temperature	-30°C~70°C
Work Humidity	10%-90% RH(non-condensing)

Application Scenario



Agriculture



Forestry



Energy



Fire rescue

Key Features



- 2MP,1/2.8" Sony IMX307 CMOS
- Max resolution up to 1920x1080@60fps
- Color:0.02Lux@F1.2 B/W:0.01Lux@F1.2
- 10x optical fast focusing with clear images
- Ultra-close focusing distance(0.1m) and fast focus(under 0.3s)
- Support Sony LVDS digital video out
- 2 UART ports,1 MIC in/1 Speaker out,daul-light or IR light control,2 alarm in/out,USB,Reset,TF card slot reserved,expandable RS485 reserved

HU6210

2MP@60fps 10X FPV/UAV Vision Integrated Zoom Module

Specification

Image Sensor	1/2.8" 2MP IMX307 CMOS
WDR	50dB
S/N Ration	≥50dB(AGC OFF)
Exposure Mode	Program mode,shutter mode
Electronic Shutter	1/2 - 1/20,000s,Slow shutter support
D/N Mode	Auto ICR filter,fixed color,external
Focus Distance	5mm-50mm(F2.36~F2.4)
Field of View Angle	72°(near)/7°(far)
Main Stream	1080P/960P@60fps
Sub Stream	640×480/480x360/352×288@60fps
SD Storage	TF card storage(optional)
Digital Interface	Sony LVDS digital inteface
Power	DC 12V
Size	38x44x66mm
Work Temperature	-30°C~70°C
Work Humidity	10%-90% RH(non-condensing)

Application Scenario



Agriculture



Forestry



Energy



Fire rescue

Key Features



- 2.0MP, 1/2.8" Sony IMX307 CMOS
- Max resolution up to 1920x1080@60fps
- Color:0.02Lux@F1.2 B/W:0.01Lux@F1.2
- 20x optical fast focusing with clear images
- Ultra-close focusing distance(0.1m) and fast focus(under 0.3s)
- Support Sony LVDS digital video out
- 2 UART ports,1 MIC in/1 Speaker out,daul-light or IR light control,2 alarm in/out,USB,Reset,TF card slot reserved,expandable RS485 reserved

HU6220

2MP@60fps 20X FPV/UAV Vision Integrated Zoom Module

Specification

Image Sensor	1/2.8" 2MP IMX307 CMOS
WDR	50dB
S/N Ration	≥50dB(AGC OFF)
Exposure Mode	Program mode,shutter mode
Electronic Shutter	1/2 - 1/20,000s,Slow shutter support
D/N Mode	Auto ICR filter,fixed color,external
Focus Distance	5.3mm-106mm(F1.7-F3.6)
Field of View Angle	45°(near)/3°(far)
Main Stream	1080P/960P@60fps
Sub Stream	640×480/480x360/352×288@60fps
SD Storage	TF card storage(optional)
Digital Interface	Sony LVDS digital inteface
Power	DC12V
Size	45x48x87mm
Work Temperature	-30°C~70°C
Work Humidity	10%-90% RH(non-condensing)

Application Scenario



Agriculture



Forestry



Energy



Fire rescue

IP Video Intercom Solution

IP Video Intercom Doorbell
 IP Video Intercom Doorbell Kit
 Dual WiFi Video Intercom Doorbell Kit

CCDCAM IP Video Intercom Solution:

See, hear, and speak to visitors from anywhere with best-selling Video Doorbell. Capture clear picture with HD video with Night Vision and talk to visitors at your door with Two-Way Talk and Quick Replies. Customize your motion settings and get real-time notifications on your phone and tablet, no matter where you are

Home or away, know who's there.

Meet the original Video Doorbell, designed to keep you in the know, from anywhere. Enjoy sharp HD video, motion detection, works on any home. All for the same, affordable price

Never miss a visitor, or a package.

See what's happening at your front door and easily respond if you're away with convenient alerts and features.

Clear as day. And night.

See, hear and speak to anyone at your front door from your phone or tablet in crisp 1080p HD. With detailed image sensors and sharp contrast, you'll never miss a moment – even in the dark.

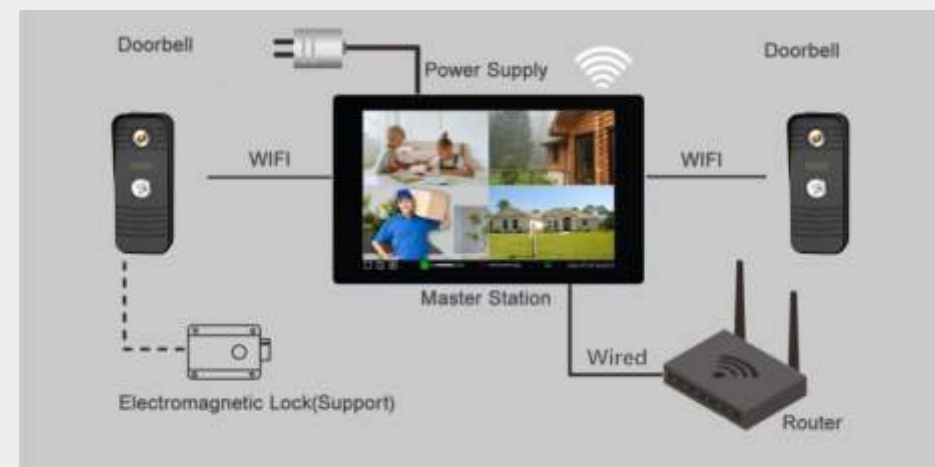
PoE - Reliable Connection & Easy Installation

This PoE doorbell uses only one wire to get stable network and non-stop powering at the same time. You can also connect the doorbell to your pre-existing doorbell wiring. A 15° wedge is included for you to adjust its angle.

More Accurate, Less Distracted

The doorbell can alert you only when a person is detected, ignoring trivial non-human passers-by.

IP Video Intercom Solution List



Model No.	Feature	Specifications
KD8501	Single Doorbell 5.0MP@30fps WIFI and RJ45	1/2.7" CMOS, ONVIF, TUYA APP, WEB configuration, audio input and output, TF card, IO alarm, hardware reset
KV8252	Single Doorbell 2.0MP@30fps Metal case	1/2.8" IMX307 CMOS, ONVIF, TUYA APP, WEB configuration, RJ45 Ethernet, PoE power supply, audio input and output, TF card, IO alarm, and hardware reset
KV8558	Single Doorbell 5.0MP@30fps Metal case	1/2.7" CMOS, 5.0MP@30fps, ONVIF, TUYA APP, WEB configuration, RJ45 Ethernet, PoE power supply, audio input and output, TF card, IO alarm, hardware reset
DK8252	Doorbell Kit 4 doobell/camera	10.1-inch LCD(1280x800), Capacitance touch screen, ONVIF, TUYA APP, Built-in 64GB, TF card up to 512GB, Audio input/output, RJ45, USB, Alarm, DC/Type-C 12V
DK8558	Doorbell Kit 4 doobell/camera	10.1-inch LCD(1280x800), Capacitance touch screen, ONVIF, TUYA APP, Built-in 64GB, TF card up to 512GB, Audio input/output, RJ45, USB, Alarm, DC/Type-C 12V
DK8352P	Doorbell Kit 4 doobell/camera	10.1-inch LCD(1280x800), Capacitance touch screen, ONVIF, TUYA APP, Built-in 64GB, TF card up to 512GB, Audio input/output, RJ45, USB, Alarm, DC/Type-C 12V
DK8254C	Doorbell Kit 4 doobell/camera	10.1-inch LCD(1280x800), Capacitance touch screen, ONVIF, TUYA APP, Built-in 64GB, TF card up to 512GB, Audio input/output, RJ45, USB, Alarm, DC/Type-C 12V
DK8501	Doorbell Kit 4 doobell/camera	10.1-inch LCD(1280x800), Capacitance touch screen, ONVIF, TUYA APP, Built-in 64GB, TF card up to 512GB, Audio input/output, RJ45, USB, Alarm, DC/Type-C 12V



Key Features

- Support HTTP,TCP/IP,IPv4,DHCP,NTP,SIP
- Support Wifi convenient setting up and no wiring required
- 5MP resolution,with 940nm IR supplement
- Support web configuration
- Noise suppression and echo cancellation
- IP65 protection level
- Support Tuya APP Mobile Control
- Support Onvif

KD8501

5MP Waterproof IP Video Doorbell

Specification

Image Sensor	5MP,1/2.7" CMOS, Day/Night
Sensitivity	Color:0.02Lux B/W:0.01Lux
Lens	3.0mm F2.5
Field of view	125°(Horizontal),V65°(Vertical)
Field Of View Adjustment	-45°~45°
Minimum Working Distance	0.5m
Shutter Time	1/3~ 1/12000s(Auto,maximum value setting)
Main Stream	2592x1944/1920x1080/@30fps
Sub Stream	640x480/640x360@30fps
Audio Output	Built-in speaker
Audio Input	Built-in microphone
IR Illumination	IR LED,940nm
Network parameters	Support,2.4G WI-FI
Protocols	HTTP/TCP/IP/IPv4/DHCP/NTP/SIP
Other Features	Micro SD HC
Power	DC12V
Operating Temperature	-30°C~70°C

Application Scenario



Villa



House



Hotel



CBD



Key Features

- 1/2.8" 2MP IMX307 Day/Night
- 1920X1080@30fps
- Support HTTP,TCP/IP,IPv4,DHCP,NTP,SIP
- Pinhole wide angle
85°(Horizontal),V45°(Vertical)
- Echo cancellation and noise suppression
- Supports standard PoE power supply
- Supports mechanical doorbell,easier to call
- Tuya APP Mobile Control: Receive calls, open the door and live view remotely
- Supports web configuration
- Support Onvif

KV8252

2MP IP Video Intercom Waterproof Vandal-Resistant Doorbell

Specification

Image Sensor	2MP, 1/2.8" SONY STARVIS IMX307
Sensitivity	Color:0.01Lux B/W:0.005Lux
Lens	3.7 mm,F2.0,pinhole
Field of view	85°(Horizontal),V45°(Vertical)
Field Of View Adjustment	-45°~45°
Minimum Working Distance	0.5m
Shutter Time	1/3~ 1/12000s(Auto,maximum value setting)
Main Stream	1920x1080@25fps,1280x720@25fps
Sub Stream	640x480,640x360,352x288@25fps
Audio Output	Built-in speaker
Audio Input	Built-in microphone
IR Illumination	IR LED,940nm
Network parameters	10Base-T/100Base-TX Ethernet
Protocols	TCP/IP/SIP/HTTP/HTTPS/NTP/ONVIF/RTSP/DHCP
Other Features	Micro SD HC
Power	DC12V/PoE
Operating Temperature	-30°C~70°C

Application Scenario



Villa



House



Hotel



CBD



Key Features

- 1/2.7" 5MP Day/Night
- 2592X1944@30fps
- Support HTTP,TCP/IP,IPv4,DHCP,NTP,SIP
- HD wide-angle lens 125°(Horizontal)/65°(Vertical)
- Echo cancellation and noise suppression
- Supports standard PoE power supply
- Supports mechanical doorbell,easier to call
- Tuya APP Mobile Control: Receive calls, open the door and live view remotely
- Supports web configuration
- Support Onvif

KV8558

5MP IP Video Intercom Waterproof Vandal-Resistant Doorbell

Specification

Image Sensor	5MP, 1/2.7" CMOS
Sensitivity	Color:0.02Lux B/W:0.01Lux
Lens	3.0mm F2.5
Field of view	125°(Horizontal),65°(Vertical)
Field Of View Adjustment	-45°~45°
Minimum Working Distance	0.5m
Shutter Time	1/3~1/12000s(Auto,maximum value setting)
Main Stream	2592x1944/1920x1080@30fps
Sub Stream	640x480/640x360@30fps
Audio Output	Built-in speaker
Audio Input	Built-in microphone
IR Illumination	IR LED,940nm
Network parameters	Support,2.4G WI-FI
Protocols	HTTP/TCP/IP/IPv4/DHCP/NTP/SIP
Other Features	Micro SD HC
Power	DC12V/PoE
Operating Temperature	-30°C~70°C

Application Scenario



Villa

House

Hotel

CBD



Key Features

- 1 master station + 2 vandal-proof IP doorbells
- Support DC 12V or PoE power supply (external)
- Two-way audio intercom between door station and master station or Tuya APP
- Noise suppression and echo cancellation
- 10.1-inch LCD 1280x800 resolution
- Support TF card, up to 512G
- Built-in 64G SSD
- 2-ch alarm input, 1-ch alarm output
- Remote unlocking on Tuya APP

DK8252

IP Video Intercom Kit

Specification

Operating System	Linux
LCD	10.1-inch TFT LCD(1280*800)
Operation Method	Capacitance touch screen
Outdoor Station	Support 4*doorbell/camera
Compression	H265/H264
Record	Support
Storage	Built-in 64GB SSD
TF Card	Support TF Card, up to 512G
USB Interface	1×USB 2.0
Audio Output	Built-in speaker
Audio Input	Built-in microphone
Sound Quality	Echo cancellation
APP Support	Tuya APP
Network Interface	1 RJ-45 10/100M self-adaptive
Power Supply	DC/Type-C 12V
Consumption	< 10W
Work Temperature	-10°C~55°C
Dimensions	270mm*165mm*30mm

Application Scenario



Villa

House

Hotel

CBD

Key Features



- 1 master station + 2 vandal-proof IP doorbells
- Support DC 12V or PoE power supply(external)
- Two-way audio intercom between door station and master station or Tuya APP
- Noise suppression and echo cancellation
- 10.1-inch LCD 1280x800 resolution
- Support TF card,up to 512G
- Built-in 64G SSD
- 2-ch alarm input,1-ch alarm output
- Remote unlocking on Tuya APP

DK8558

IP Video Intercom Kit

Specification

Operating System	Linux
LCD	10.1-inch TFT LCD(1280*800)
Operation Method	Capacitance touch screen
Outdoor Station	Support 4*doorbell/camera
Compression	H265/H264
Record	Support
Storage	Built-in 64GB SSD
TF Card	Support TF Card,up to 512G
USB Interface	1×USB 2.0
Audio Output	Built-in speaker
Audio Input	Built-in microphone
Sound Quality	Echo cancellation
APP Support	Tuya APP
Network Interface	1 RJ-45 10/100M self-adaptive
Power Supply	DC/Type-C 12V
Consumption	< 10W
Work Temperature	-10°C~55°C
Dimensions	270mm*165mm*30mm

Application Scenario



Villa

House

Hotel

CBD

Key Features



- 1 master station + 2 plastic IP doorbells
- Support DC 12V or PoE power supply(external)
- Two-way audio intercom between door station and master station or Tuya APP
- Noise suppression and echo cancellation
- 10.1-inch LCD 1280x800 resolution
- Support TF card,up to 512G
- Built-in 64G SSD
- 2-ch alarm input,1-ch alarm output
- Remote unlocking on Tuya APP

DK8352P

IP Video Intercom Kit

Specification

Operating System	Linux
LCD	10.1-inch TFT LCD(1280*800)
Operation Method	Capacitance touch screen
Outdoor Station	Support 4*doorbell/camera
Compression	H265/H264
Record	Support
Storage	Built-in 64GB SSD
TF Card	Support TF Card,up to 512G
USB Interface	1×USB 2.0
Audio Output	Built-in speaker
Audio Input	Built-in microphone
Sound Quality	Echo cancellation
APP Support	Tuya APP
Network Interface	1 RJ-45 10/100M self-adaptive
Power Supply	DC/Type-C 12V
Consumption	< 10W
Work Temperature	-10°C~55°C
Dimensions	270mm*165mm*30mm

Application Scenario



Villa

House

Hotel

CBD

Key Features



- 1 master station + 2 vandal-proof IP doorbells + 2 PoE cameras
- Support DC 12V or PoE power supply(external)
- Two-way audio intercom between door station and master station or Tuya APP
- Noise suppression and echo cancellation
- 10.1-inch LCD 1280x800 resolution
- Support TF card,up to 512G
- Built-in 64G SSD
- 2-ch alarm input,1-ch alarm output
- Remote unlocking on Tuya APP

DK8254C

IP Video Intercom Kit

Specification

Operating System	Linux
LCD	10.1-inch TFT LCD(1280*800)
Operation Method	Capacitance touch screen
Outdoor Station	Support 4*doorbell/camera
Compression	H265/H264
Record	Support
Storage	Built-in 64GB SSD
TF Card	Support TF Card,up to 512G
USB Interface	1×USB 2.0
Audio Output	Built-in speaker
Audio Input	Built-in microphone
Sound Quality	Echo cancellation
APP Support	Tuya APP
Network Interface	1 RJ-45 10/100M self-adaptive
Power Supply	DC/Type-C 12V
Consumption	< 10W
Work Temperature	-10°C~55°C
Dimensions	270mm*165mm*30mm

Application Scenario



Villa

House

Hotel

CBD

Key Features



- 1 master station + 2 Waterproof IP Video Doorbell
- Support DC 12V or PoE power supply(external)
- Two-way audio intercom between door station and master station or Tuya APP
- Noise suppression and echo cancellation
- 10.1-inch LCD 1280x800 resolution
- Support TF card,up to 512G
- Built-in 64G SSD
- 2-ch alarm input,1-ch alarm output
- Remote unlocking on Tuya APP

DK8501

IP Video Intercom Kit

Specification

Operating System	Linux
LCD	10.1-inch TFT LCD(1280*800)
Operation Method	Capacitance touch screen
Outdoor Station	Support 4*doorbell/camera
Compression	H265/H264
Record	Support
Storage	Built-in 64GB SSD
TF Card	Support TF Card,up to 512G
USB Interface	1×USB 2.0
Audio Output	Built-in speaker
Audio Input	Built-in microphone
Sound Quality	Echo cancellation
APP Support	Tuya APP
Network Interface	1 RJ-45 10/100M self-adaptive
Power Supply	DC/Type-C 12V
Consumption	< 10W
Work Temperature	-10°C~55°C
Dimensions	270mm*165mm*30mm

Application Scenario



Villa

House

Hotel

CBD

Underwater Camera

IP Underwater Camera AHD Underwater Camera

CCDCAM underwater camera is with strick seawater rust testing,all materials and craftwork are unique. Extensive used in swimming pool,marine investigation,aquaculture,coast defense.For example, 2008 Beijing Olympic Games swimming pool,2010 Guangzhou Asian Games,2011 Shenzhen University Games.China Nansha Islands,it's specially used for marine investigation.



Underwater Camera Product List

Model No.	Feature	Specifications
EC-IP8355U	8.0MP@30fps PTZ 2.7-14mm	1/2.9"CMOS,Color 0.2Lux,No fill light,stainless steel 316L,IP68,100Mbps RJ45,PoE power supply,Operational Temperature:-10~+60°C
EC-IP3863U	2.0MP@30fps No Fill Light	1/2.7"CMOS,Color 0.5Lux,stainless steel 316L,IP68,100Mbps RJ45 interface,PoE power supply, Operational Temperature:-10~+60°C
EC-IP3856U	2.0MP@30fps No Fill Light	1/2.7"CMOS,Color 0.5Lux,stainless steel 316L,IP68,100Mbps RJ45 interface,PoE power supply, Operational Temperature:-10~+60°C
EC-IP3856WU	2.0MP@30fps 5m Fill Light	1/2.7"CMOS,Color 0.5Lux,stainless steel 316L,IP68, 100Mbps RJ45,PoE power supply, Operational Temperature:-10~+60°C
EC-IP3810	2.0MP@30fps 10m Fill Light	1/3"CMOS,Color 0.5Lux,stainless steel 304L, IP68, 100Mbps RJ45,PoE power supply, Operational Temperature:-10~+60°C
EC-IP5810	5.0MP@30fps 2.8-12mm 5X 10m Fill Light	1/2.7"CMOS,Color 0.1Lux,stainless steel 304L,IP68,100Mbps RJ45,PoE power supply, Operational Temperature:-10~+60°C
EC-IP4050U	4.0MP@30fps 2.8-12mm 5X 10m Fill Light	1/3"CMOS,,Color 0.6Lux,stainless steel 316L,IP68,100Mbps RJ45,PoE power supply, Operational Temperature:-10~+60°C
EC-IP6030U	5.0MP@30fps PTZ 5-90mm 30m Fill Light	1/3"CMOS,Color 0.1Lux,stainless steel 316L,IP68,100Mbps RJ45,PoE power supply, Operational Temperature:-10~+60°C
EC-IP3855U	2.0MP@30fps PTZ 3.8-38mm	1/2.7"CMOS,Color 0.5Lux,No fill light,stainless steel 316L,IP68,100Mbps RJ45,PoE power supply,Operational Temperature:-10~+60°C
EC-IP5855U	5.0MP@15fps PTZ 3.8-38mm	1/2.7"CMOS,Color 0.1Lux,No fill light,stainless steel 316L,IP68,100Mbps RJ45,PoE power supply,Operational Temperature:-10~+60°C
EC-IP4655U	4.0MP@60fps PTZ 2.7-14mm	1/3"CMOS,Color 0.4Lux,No fill light,stainless steel 316L,IP68,100Mbps RJ45,PoE power supply,Operational Temperature:-10~+60°C
EC-IP8655U	8.0MP@60fps PTZ 2.7-14mm	1/2.9"CMOS,Color 0.2Lux,No fill light, stainless steel 316L,IP68,100Mbps RJ45,PoE power supply,Operational Temperature:-10~+60°C
EC-3856U	4.0MP@30fps Analog Video	1/2.3"CCD,Color 0.5Lux,No fill light, stainless steel 316L,IP68,PoE power supply, Operational Temperature:-10~+60°C
EC-AH2056U	2.0MP@30fps AHD Video Out	1/2.7"CMOS,Color 0.1Lux,No fill light,stainless steel 316L,PoE power supply, Operational Temperature:-10~+60°C
EC-5855U	5.0MP@30fpsPT Z 3.8-38mm AHD/CVI/TVI/ CVBS Video Out	1/2.7"CMOS,Color 0.2Lux,No fill light,stainless steel 316L,IP68,PoE power supply, Temperature:-10~+60°C
EC-IP8060U	5.0MP@15fps PTZ 2.8-12mm 30m Fill Light	1/2.7"CMOS,Color 0.1Lux,stainless steel 316L,IP68,100Mbps RJ45,PoE power supply,Temperature:-10~+60°C



Key Features

- 8MP,1/2.9" CMOS
- 3840×2160@30fps
- Support Onvif
- Focus f=2.7-14mm(F1.8-3.2)5X Optical zoom
- Max.128 preset,privacy covering zone:4 areas
- Preset speed:Max.360°/s
- Pan: 360°continuously; Tilt: 180°auto flip on/off
- Underwater depth 100m Max

EC-IP8355U

4K 4" PTZ PoE IP Underwater Camera

Specification

Image Sensor	1/2.9" CMOS
Effective Pixels	3840x2160
IR LED	Without
Min.Illumination	Color 0.2Lux/F1.4
Electronic Shutter	1/50(1/60)s-1/100,000s
Lens	2.7-14mm(F1.8-3.2) 5X optical zoom
Lens Mount	M12
Material	Stainless steel 316L
Frame Rate	3840x2160@30fps
Video Output	RJ45
Network Interface	10Base-T/100Base-TX
Work Temperature	-10°C ~ 60°C
Protection Level	IP68
Power Supply	PoE IEEE802.3at/af
Size	Ø160 x 150mm
Cable	CAT6
Net Weight	N.W.5kg +cable 0.12kg/m

Application Scenario



Key Features

- 2MP,1/2.7" Sony CMOS
- 1920x1080@30fps
- Support Onvif
- 2.5,2.8,3.6mm fixed lens optional
- Material :Stainless steel 316L
- Underwater depth 30m Max
- IP68,PoE

EC-IP3863U

2MP Mini PoE IP Underwater Camera

Specification

Image Sensor	1/2.7" Sony CMOS
Effective Pixels	1920x1080
IR LED	Without
Min.Illumination	Color 0.05Lux/F1.4
Electronic Shutter	1/50(1/60)s-1/100,000s
Lens	2.5/2.8/3.6mm Lens
Lens Mount	M12
Material	Stainless steel 316L
Frame Rate	1920x1080/1280x720@30fps
Video Output	RJ45
Network Interface	10Base-T/100Base-TX
Work Temperature	-10°C~60°C
Protection Level	IP68
Power Supply	PoE IEEE802.3at/af
Size	Ø30 x 92mm
Cable	CAT6
Net Weight	N.W.0.3kg +cable 0.12kg/m

Application Scenario





Key Features

- 2MP, 1/2.7" CMOS
- 1920×1080@30fps
- Support Onvif
- 2.1, 3.6, 4.2mm fixed lens optional
- White light Distance: 5m (EC-IP3856WU)
- Multiple network monitoring: Web viewer, CMS
- Underwater depth 100m Max
- IP68, PoE

EC-IP3856U/EC-IP3856WU 2MP PoE IP Underwater Camera

Specification	EC-IP3856U	EC-IP3856WU
Image Sensor	1/2.7" CMOS	
Effective Pixels	1920x1080	
Light Distance	NO	5m
Min. Illumination	Color 0.05Lux/F1.4	
Electronic Shutter	1/50(1/60)s-1/100,000s	
Lens	2.1/3.6/4.2mm Lens	
Lens Mount	M12	
Material	Stainless steel 316L	
Frame Rate	1920x1080@30fps	
Video Output	RJ45	
Network Interface	10Base-T/100Base-TX	
Work Temperature	-10°C ~ 60°C	
Protection Level	IP68	
Power Supply	PoE IEEE802.3at/af	
Size	Ø63 x 68mm	
Cable	CAT6	
Net Weight	N.W.0.65kg +cable 0.12kg/m	

Application Scenario



Swimming pool



Marine investigation



Aquaculture



Coast defence



Key Features

EC-IP3810

- 2MP, 1/3" CMOS
- 1920×1080@30fps
- 2.1, 2.8, 3.6mm fixed lens optional

EC-IP5810

- 5MP, 1/2.7" CMOS
- 2592×1944@15fps
- 2.8-12mm auto focus lens
- White light Distance: 10m
- Support Onvif
- Multiple network monitoring: Web viewer, CMS
- Underwater depth 10m Max;
- IP68, PoE

EC-IP3810/EC-IP5810 2MP/5MP PoE IP Underwater Camera/White Light

Specification	EC-IP3810	EC-IP5810
Image Sensor	2MP 1/3" CMOS	5MP 1/2.7" CMOS
Effective Pixels	1920x1080	2592x1944
Light Distance	10m	
Min. Illumination	Color 0.1Lux/F1.4	Color 0.1Lux/F1.4
Electronic Shutter	1/50(1/60)s-1/100,000s	
Lens	2.1/2.8/3.6mm Lens	2.8-12mm auto focus
Lens Mount	M12	
Material	Stainless steel 304L	
Frame Rate	1920x1080@30fps	2592x1944@15fps
Video Output	RJ45	
Network Interface	10Base-T/100Base-TX	
Work Temperature	-10°C ~ 60°C	
Protection Level	IP68	
Power Supply	PoE IEEE802.3at/af	
Size	Ø145 x 110mm	
Cable	CAT6	
Net Weight	N.W.0.7kg +cable 0.12kg/m	

Application Scenario



Swimming pool



Marine investigation



Aquaculture



Coast defence



Key Features

- 4MP, 1/3" CMOS
- 2560 × 1440 @ 25fps
- Support Onvif
- 2.8-12mm auto focus lens
- White light Distance: 15m
- Dual POE IEEE802.3af; End-span(1,2+/3,6-) and Mid-span(4,5+/7,8-)
- Multiple network monitoring: Web viewer, CMS
- Underwater depth 50m Max
- IP68, PoE

EC-IP4050U

4MP PoE IP Underwater Camera/White Light

Specification

Image Sensor	1/3" CMOS
Effective Pixels	2560x1440
Light Distance	15m
Min.Illumination	Color 0.5Lux/F1.4
Electronic Shutter	1/50(1/60)s-1/100,000s
Lens	Focus f=2.8-12mm
Lens Mount	M12
Material	Stainless steel 316L
Frame Rate	2560x1440@25fps
Video Output	RJ45
Network Interface	10Base-T/100Base-TX
Work Temperature	-10°C ~ 60°C
Protection Level	IP68
Power Supply	Dual PoE
Size	Ø158 x 144mm
Cable	CAT6
Net Weight	N.W.2.6kg +cable 0.12kg/m

Application Scenario



Swimming pool



Marine investigation



Aquaculture



Coast defence



Key Features

- 5MP, 1/2.7" CMOS
- 2592 × 1944 @ 15fps
- Support Onvif
- f=5-90mm 18X optical zoom
- Max.128 preset, 8 cruise routes, Preset position dwell time adjustable 2-10sec
- With power off memory function cleaning scraper
- Pan:360° continuously; Pan 0.1-30°/ses, Tilt 0.1~30°/ecs
- White light Distance: 30m (ir leds optional)
- Underwater depth 30m Max
- IP68, PoE

EC-IP6030U

5MP PoE 7" PTZ IP Underwater Camera/White Light

Specification

Image Sensor	1/2.7" CMOS
Effective Pixels	2592x1944
Light Distance	30m
Min.Illumination	Color 0.1Lux/F1.4
Electronic Shutter	1/50(1/60)s-1/100,000s
Lens	Focus f=5-90mm(F1.8-3.2) 18X optical zoom
Lens Mount	M12
Material	Stainless steel 316L
Frame Rate	2592x1944@15fps
Video Output	RJ45
Network Interface	10Base-T/100Base-TX
Work Temperature	-10°C ~ 60°C
Protection Level	IP68
Power Supply	PoE IEEE802.3at/af
Size	320 x 240 x 420mm
Cable	CAT6
Net Weight	N.W.19kg +cable 0.12kg/m

Application Scenario



Swimming pool



Marine investigation



Aquaculture



Coast defence



Key Features

IP-3855U

- 2MP, 1/2.7" CMOS Sensor
- 1920×1080@30fps

IP-5855U

- 5MP, 1/2.7" CMOS Sensor
- 2592×1944@15fps
- Support onvif
- Focus f=3.8-38mm(F1.8-3.2)10X10 zoom
- Max.128 preset, privacy covering zone:4 areas
- Preset speed:Max.360°/s
- Pan: 360°continuously; Tilt: 180°auto flip on/off
- Underwater depth 100m Max
- IP68, PoE

EC-IP3855U/EC-IP5855U

2MP/5MP 4" PTZ PoE IP Underwater Camera

Specification	IP-3855U	IP-5855U
Image Sensor	1/2.7" CMOS	
Effective Pixels	1920x1080	2592x1944
IR LED	Without	
Min.Illumination	Color 0.05Lux/F1.4,	Color 0.1Lux/F1.4
Electronic Shutter	1/50(1/60)s-1/100,000s	
Lens	Focus f=3.8-38mm(F1.8-3.2)10X10 zoom	
Lens Mount	M12	
Material	Stainless steel 316L	
Frame Rate	1920x1080@30fps	2592x1944@15fps
Video Output	RJ45	
Network Interface	10Base-T/100Base-TX	
Work Temperature	-10°C ~ 60°C	
Protection Level	IP68	
Power Supply	PoE IEEE802.3at/af	
Size	Ø160 x 150mm	
Cable	CAT6	
Net Weight	N.W.5kg +cable 0.12kg/m	

Application Scenario



Swimming pool



Marine investigation



Aquaculture



Coast defence



Key Features

EC-IP4655U

- 4MP, 1/3" CMOS Sensor
- 2560×1440@60fps

EC-IP8655U

- 8MP, 1/2.9" CMOS Sensor
- 3840×2160@60fps
- Support onvif
- Focus f=2.7-14mm(F1.8-3.2)
- 5X optical zoom
- Pan: 360°continuously; Tilt: 180°auto flip on/off
- Underwater depth 100m Max
- IP68, POE

EC-IP4655U/EC-IP8655U

4MP/4K 60FPS PoE IP Underwater Camera

Specification	EC-IP4655U	EC-IP8655U
Image Sensor	4MP 1/3" CMOS	8MP 1/2.9" CMOS
Effective Pixels	2560x1440	3840x2160
IR LED	Without	
Min.Illumination	Color 0.4Lux/F1.4	Color 0.5Lux/F1.4
Electronic Shutter	1/50(1/60)s-1/100,000s	
Lens	2.7-14mm(F1.8-3.2)	5X optical zoom
Lens Mount	M12	
Material	Stainless steel 316L	
Frame Rate	2560x1440@60fps	3840x2160@60fps
Video Output	RJ45	
Network Interface	10Base-T/100Base-TX	
Work Temperature	-10°C ~ 60°C	
Protection Level	IP68	
Power Supply	PoE IEEE802.3at/af	
Size	Ø160 x 150mm	
Cable	CAT6	
Net Weight	N.W.5kg +cable 0.12kg/m	

Application Scenario



Swimming pool



Marine investigation



Aquaculture



Coast defence



Key Features

- IP-3855U**
 - 1/3 sony CCD,4140+673 Double board
 - 704x576 Pixels
- EC-AH2056U**
 - 2MP,1/2.7" CMOS
 - 1920x1080@25/30fps
 - 2.1,3.6,4.2mm lens optional
 - Cable Standard configuration:5m
 - Housing material: stainless steel 316L
 - Underwater depth: 100m Max

EC-3856U/EC-AH2056U
CCD 700TVL Analog/AHD 2MP Underwater Camera

Specification	EC-3856U	EC-AH2056U
Image Sensor	1/2.3" CCD	1/2.7" CMOS
Effective Pixels	704x576	1920x1080
IR LED	Without	
Min.Illumination	Color 0.05ux/F1.4,	Color 0.1Lux/F1.4
Electronic Shutter	4/25s - 1/45000s	
Lens	2.1,3.6,4.2mm optional	
Lens Mount	M12	
Material	Stainless steel 316L	
Frame Rate	25fps,PAL	30fps,NTSC
Video Output	Analog	AHD
Cable Standard	5m	
Glass	Toughened safety (ESG)	
Work Temperature	-10°C ~ 60°C	
Protection Level	IP68	
Power Supply	DC 12V	
Size	Ø63 x 68mm	
Cable	BNC	
Net Weight	N.W.0.65kg +cable 0.12kg/m	

Application Scenario



Key Features

- 5MP,1/2.7" CMOS
- 5MP 2592*1944,4 IN 1 (AHD/CVI/TVI/CVBS)
- Focus f=3.8-38mm(F1.8-3.2)
- 10X optical zoom,10X digital zoom
- Max.128 preset,privacy covering zone:4 areas
- Preset speed:Max.360°/s
- Pan: 360°continuously; Tilt: 180°auto flip on/off
- Underwater depth 100m Max

EC-5855U
AHD 5MP 4" PTZ Underwater Camera

Specification	
Image Sensor	1/2.7" CMOS
Effective Pixels	2592x1944
IR LED	Without
Min.Illumination	Color 0.2Lux/F1.4
Electronic Shutter	1/50(1/60)s-1/100,000s
Lens	Focus f=3.8-38mm(F1.8-3.2) 10X digital zoom
Lens Mount	M12
Material	Stainless steel 316L
Frame Rate	25fps,PAL/30fps,NTSC
Video Output	AHD/CVI/TVI/CVBS
Preset	128 preset max,privacy covering zone:4 areas
Angle	Pan:360°continuously; Tilt:180°auto flip on/off
Work Temperature	-10°C ~ 60°C
Protection Level	IP68
Power Supply	DC12V
Size	Ø160 x 150mm
Cable	BNC
Net Weight	N.W.5kg +cable 0.12kg/m

Application Scenario





Key Features

- 5MP,1/2.7" CMOS
- 2592×1944@15fps
- Support Onvif
- Focus f=2.8-12mm automatic zoom lens
- With cleaning scraper
- White light Distance: 30m (ir leds optional)
- Underwater depth 60m Max
- IP68,PoE

EC-IP8060U
5MP PoE IP Underwater Camera/White Light

Specification

Image Sensor	1/2.7" CMOS
Effective Pixels	2592x1944
Light Distance	30m
Min.Illumination	Color 0.1Lux/F1.4
Electronic Shutter	1/50(1/60)s-1/100,000s
Lens	Focus f=2.8-12mm
Lens Mount	M12
Material	Stainless steel 316L
Frame Rate	2592x1944@15fps
Video Output	RJ45
Network Interface	10Base-T/100Base-TX
Work Temperature	-10°C ~ 60°C
Protection Level	IP68
Power Supply	PoE IEEE802.3at/af
Size	370 x 140 x170mm
Cable	CAT6
Net Weight	N.W.13kg +cable 0.12kg/m

Application Scenario



Swimming pool



Marine investigation



Aquaculture



Coast defence