

iSmart Video

HANGZHOU CHINGAN TECH CO.,LTD.



Powerful AI

Speaker Tracking

Auto Framing

Lecturer Tracking

Behavior Analysis

Anything Tracking

Gesture Control

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Website



Linkedin



Youtube

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iSmart Video

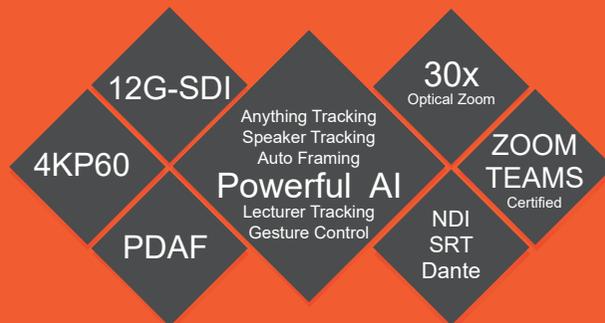
World Leading AI-Powered Audio & Video Products
Designer and Manufacturer

80+ | Experienced engineers

60+ | Sales and technicians

10000+ | m² production facilities

18+ | Years' intelligent camera
design experience



Powerful AI



Speaker Tracking

It can provide a close-up and continuous tracking of the speaker, quickly switching to new speakers when they change, and has a dialogue mode to assist in video conferences.

Combining multiple cameras and microphones can enable functionalities such as Smart Switch, Speaker Tracking, Auto Framing, Dialogue Framing, and Whiteboard Locating.



Auto Framing

Built-in AI algorithms intelligently frame all attendees based on different scene requirements and automatically adjust the framing as people change.



Smart Gallery

The camera divides indoor participants into their own separate video areas, providing an equal environment for communication and collaboration for indoor participants. The faces and expressions of each meeting participant can be clearly conveyed to those at the remote end.



Gesture Control

The camera can quickly and accurately recognize various hand gestures to control functions such as zooming and tracking.



Anything Tracking

You can select any target in the video for tracking. Tracking ranging from human subjects to inanimate objects breaks the limitations of traditional tracking solutions.



Lecturer Tracking

The camera is equipped with the latest AI algorithms, which can easily implement a series of lecturer tracking modes, including lecturer tracking, behavior analysis, various facial expression analysis, whiteboard tracking based on skeletal key point detection, lecturer attendance, and real-time output of lecturer positions. Ensure unobstructed blackboard writing throughout the class, with content always at the top of the panoramic view. The rich lecturer tracking modes can easily meet the video shooting needs of various scenarios.



Behavior Analysis

The camera not only provides detailed student locating, such as consistently identifying single or multiple students standing up. It supports student attendance management and analyzes students' behaviors in real-time, providing materials for classroom engagement indicators.

Content

Video Conference Cameras (USB, HDMI)

AI Cameras

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P03	1080P60 PTZ Camera	AMC-G200THV2	 
P05	1080P60 PTZ Camera	AMC-G312U3/G310U3	 
P07	4K Video Soundbar	AMC-G309UV2	
P09	4K EPTZ Camera	MZC-F22UV5	
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Professional PTZ Cameras (NDI/IP, SDI)

AI Cameras

P13	4/3 Inch 4KP60 PTZ Camera	PBC-120F/120S/120M	  
P15	4KP60 Dual Cam PTZ Camera	PVC-G530P/G520P/G512P	  
P17	4KP60 PTZ Camera	AMC-G500(S)	
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P23	1080P60 PTZ Camera	LTC2-(N)A2001NV4/A1202NV4	
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Streaming Cameras

AI Cameras

P29	4K Mobile Wireless Streaming Camera	Q03ZW	
P31	4K EPTZ Camera	ZC5-F20N	
P33	4K Coaching Camera	EZC-V20	
P35	4K Portrait Screen PTZ Camera	AMC-G412Z	

Audio Devices

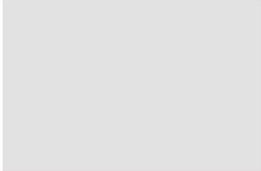
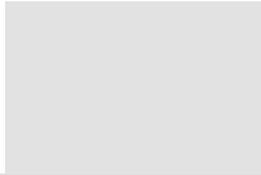
P37	129-Array Ceiling Microphone	BAM129
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Accessories

P39	Mini Keyboard Controller	CKB-02V2
P41	Accessories	

						
Speaker Tracking	Auto Framing	Lecturer Tracking	Student Locating	Behavior Analysis	Anything Tracking	Gesture Control

Video Conference Cameras



	AMC-G200T	AMC-G200THV2	AMC-G312U3 AMC-G310U3	AMC-G309UV2			MZC-F22UV5	AMC-G403				
Powerful AI												
Dual Cam	✓	✓	✗	✗			✗	✗				
Sensor	1/2.8" CMOS 2.14MP	1/2.8" CMOS 2.14MP	1/2.8" CMOS 2.14MP	1/2.8" CMOS 8.46MP			1/2.8" CMOS 8.46MP	1/2.8" CMOS 8.46MP				
Resolution	1080P60	1080P60	1080P60	4KP30			4KP30	4KP30				
HFOV	72.5°	72.5°	72.5°/71°	110°			110°	81.4°				
Optical Zoom	12x	12x	12x/10x	✗			✗	3x				
PTZ	2×PTZ	1×PTZ	PTZ	EPTZ			EPTZ	PTZ				
SDI	3G-SDI	3G-SDI	✗	✗			✗	✗				
HDMI	✓	✓	✓	✗			✗	✗				
USB	✗	USB 3.0	USB 3.0	USB 3.0			USB 3.0	USB 3.0				
RS-232 IN	✓	✓	✓	✗			✗	✗				
RS-232 OUT	✗	✗	✓	✗			✗	✗				

1080P60 Dual PTZ Camera

AMC-G200T



Speaker Tracking



Auto Framing



Dual PTZ



1080P60



12x Optical Zoom



- | | |
|-----------------|----------|
| ① DIP Switch | ⑥ HDMI |
| ② LAN | ⑦ 3G-SDI |
| ③ Ref.LINE IN | ⑧ RS-232 |
| ④ LINE IN | ⑨ DC 12V |
| ⑤ USB(Reserved) | |

Features

- Implemented with audio positioning, face recognition tech, precisely frame speakers;
- Dual PTZ design for close-up view and full-view. Auto switch between closeup image for speaker(s) and full-view image of the meeting;
- Built-in image switch rules as per actual meeting scenes;
- Closeup lens: 1/2.8" CMOS, 2.14MP, 12x optical zoom, 72.5° HFOV ;
- Simultaneous output over 3G -SDI, HDMI and network, max 1080P60;
- H.264/H.265 video compression.

Technical Data

Tracking Camera

Image Sensor

1/2.8" CMOS, 2.14MP

Focal

f=3.9mm ~ 46.8mm

Iris

F1.6 ~ F2.8

Zoom

Optical 12x, Digital 12x

HFOV

72.5°~ 6.3°

Focus

Auto, Manual, PTZ
Trigger, One Push Trigger

Shutter Speed

1/1 ~ 1/10,000s

AGC

Auto, Manual

White Balance

Auto, Indoor, Outdoor,
One Push, Auto Tracking,
Manual, Static Color
Temperature

Exposure

Auto, Manual, Shutter
Priority, Iris Priority

Full-View Camera

Image Sensor

1/2.8" CMOS, 2.14MP

White Balance

Auto

Focal

f=2.4mm

HFOV

88°

PTZ

Pan

-90° ~ +90°, 0.2° ~ 100°/s

Tilt

-30° ~ +90°, 0.2° ~ 100°/s

Preset Number

64

General

Power

DC12V; <24W

Control Protocol

VISCA

Remote Control

Support

Dimension (L×W×H)

500mm ×137mm×164mm

Operating Temperature

0°C ~ +40°C

Storage Temperature

-20°C ~ +60°C

Weight

3kg

Interface

Network

1 × RJ45:10M/100M, Up to 1080P60

Video Format: H.264/H.265;

Network Protocol:

ONVIF/RTSP/TCP/HTTP/UDP/
RTMP/RTP;

Audio Compression: AAC;

Support dual streams; dual
closeup view, one channel full
view, one channel switch and
four streams

HDMI

1 × HDMI,
1080P60/P50/P30/P25,
720P60/P50

3G-SDI

1 × 3G-SDI,
1080P60/P50/P30/P25,
720P60/P50

Audio

1×LINE IN;
1×Ref.LINE IN

Control Interface

1 × RS-232

1080P60 PTZ Camera

AMC-G200THV2



Speaker
Tracking



Auto
Framing



Lecturer
Tracking



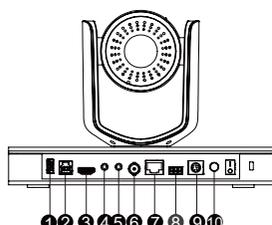
Dual Cam



1080P60



12x Optical
Zoom



- | | |
|---------------|-------------|
| 1 USB 2.0 | 6 3G-SDI |
| 2 USB3.0 | 7 LAN |
| 3 HDMI | 8 RS-485 |
| 4 Ref.LINE IN | 9 RS-232 IN |
| 5 LINE IN | 10 DC 12V |

Features

- AI-driven voice localization and human detection precisely identifies speakers for automatic visual presentation at optimal size and angle;
- Dynamic framing adjusts based on participant positions or number changes;
- Dual-cam design captures close-up and full-view simultaneously, enabling smooth, intelligent directorial transitions;
- Multi-mode tracking, including intelligent blackboard writing tracking;
- Hands-free operation enhances focus and meeting experience, suitable for medium-sized rooms up to 8 meters deep;
- Tracking camera features a 12x optical zoom lens with a 72.5° HFOV;
- Full-view camera offers a 110° full view without distortion;
- Simultaneous HDMI, USB3.0, 3G-SDI, and network outputs up to 1080P60;
- Equipped with USB HOST for external microphones;
- Compatible with most popular video conferencing platforms.

Technical Data

Tracking Camera

Image Sensor

1/2.8" CMOS, 2.14MP

Focal

f=4.1mm ~ 49.2mm

Iris

F1.6 ~ F2.8

Zoom

Optical:12x, Digital:16x

HFOV

72.5° ~ 6.3°

Focus

Auto, Manual, PTZ
Trigger, One Push Trigger

Shutter Speed

1/50 ~ 1/10,000s

AGC

Auto, Manual

White Balance

Auto, One Push, Manual,
Static Color Temperature

Exposure

Auto, Manual, Shutter
Priority, Iris Priority, Bright
Priority

Full-View Camera

Image Sensor

1/2.8" CMOS, 2.14MP

Lens

f=1.89 mm

HFOV

110°

White Balance

Auto

Exposure

Auto

PTZ

Pan

-130° ~ +130°; 0.2° ~ 90°/s

Tilt

-30° ~ +90°; 0.2° ~ 60°/s

Preset Number

64

General

Control Protocol

VISCA

Power

DC12V; <20W

Dimension (L×W×H)

245mm×145mm×164mm

Operating Temperature

0°C ~ +40°C

Storage Temperature

-20°C ~ +60°C

Weight

≤2KG

Interface

Network

1×RJ45:10M/100M, support
POE;

Video output: 1080P30/P25,
720P30/P25, 360P30/P25

Video Format:H.264/H.265

Network Protocol:
ONVIF/RTSP/HTTP/TCP/UDP/
RTMP/RTP;

Audio Compression: AAC;

Support 3 channel streams,
one closeup view, one channel
full view, one channel switch
and 3 streams

3G-SDI

1080P60/P50/P30/P25,
720P60/P50

HDMI

Support Audio output:
1080P60/P50/P30/P25,
720P60/P50

USB 2.0

Type-A HOST

Audio

1 × 3.5mm LINE IN
1 × 3.5mm Ref.LINE IN

Control Interface

1 × RS-232 IN,
1 × RS485

USB 3.0

Type-B,

1. Support UVC1.1

2. UVC Support:

H.264/H.265/MJPEG:
1080P60/P50/P30/P25,
720P60/P50/P30/P25,

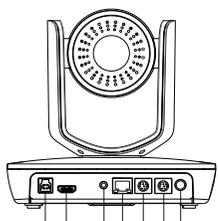
360P60/P50/P30/P25;

YUY2/NV12: 1080P30/P25,
720P30/P25, 480P30/P25;

3. UAC Audio Format PCM

1080P60 PTZ Camera

AMC-G312U3/G310U3



- 1 USB3.0
- 2 HDMI
- 3 LINE IN
- 4 LAN
- 5 RS-232 IN
- 6 RS-232 OUT/RS-485
- 7 DC 12V

Features

- 1/2.8" CMOS, 2.14MP;
- 12x/10x optical zoom, up to 1080P60 video output;
- Rich AI tracking: everywhere tracking; select target tracking; switching target; adjustable body size; gesture control etc.;
- Allow selection of full-body, half-body, or close-up shot ratios for the tracking target;
- HDMI, Ethernet and USB 3.0 outputs;
- Standard UVC/UAC protocols;
- USB support YUY2 uncompressed video formats;
- RS-232 In & RS-232 Out, support daisy chain;
- H.265/H.264 video compression, up to 1080P60 video output;
- Dual stream;
- Compatible with most popular video conferencing platforms.

Technical Data

Camera

AMC-G312U3	AMC-G310U3
Image Sensor 1/2.8" CMOS, 2.14 MP	Image Sensor 1/2.8" CMOS, 2.14 MP
Iris F1.6 ~ F2.8	Iris F1.6 ~ F3.0
Focal Length f=4.14mm ~ 47.08mm	Focal Length f=4.3mm ~ 43mm
HFOV 72.5° ~ 6.3°	HFOV 71° ~ 8°
Optical Zoom 12x	Optical Zoom 10x

PTZ

Pan
-170° ~ +170°; 0.1° ~ 120°/s

Tilt
-30° ~ +90°; 0.1° ~ 90°/s

Preset Number
256

General

Power
DC12V; <15W

Control Protocol
VISCA (Support daisy chain)
/ PELCO-P / PELCO-D

Operating Temperature
0°C ~ +40°C

Storage Temperature
-20°C ~ +60°C

Dimensions (L×W×H)
176mm × 137mm × 171mm

Weight
≤1.2kg

Camera

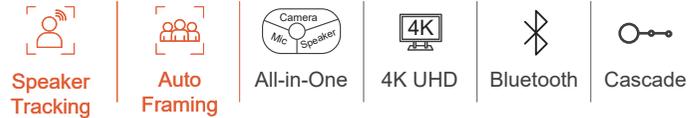
Digital Zoom 16x	BLC Support
Focusing System Auto, Manual, PTZ Trigger, One Push Trigger	Wide Dynamic Support
Shutter speed 1/50 ~ 1/10,000s	Exposure Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority
AGC Auto, Manual	SNR ≥50dB
White Balance Auto, One Push, Manual, ATW, Static Color Temperature	

Interface

Network 1×RJ45:1×10M/100M 1. Video Output Format: Max 1080P60; 2. Image Compression: H.264/H.265 3. Protocol:ONVIF/RTSP/RTMP /TCP/UDP/SRT/RTMPS /GB28181; 4. Audio Compression: AAC 5. Support multiple stream	USB 3.0 1. Support UVC1.1 2. UVC Support: H.264/H.265/MJPEG: 1080P60/P50/P30/P25, 720P60/P50/P30/P25, 480P60/P50/P30/P25, 360P60/P50/P30/P25 YUY2/NV12: 1080P30/P25, 720P30/P25, 480P30/P25, 360P30/P25 3. UAC Audio Format PCM	HDMI 1080P60/P50/P30/P25,720P60/ P50/P30/P25,480P60/P50/30/25
		Audio 1×LINE IN, 3.5mm
		Control Interface 1×RS-232 In 1×RS-232 Out/RS-485

4K Video Soundbar

AMC-G309UV2



Features

- Integrated design of video camera, microphones and speakers, easy setup of remote video conference;
- Smart and precise positioning of speaker and auto framing, giving best view of speaker and all attendees;
- 4K UHD video for superb experience;
- Up to 110° HFOV, full coverage of meeting room;
- Built-in high-sense mic array, pickup range up to 5 meters, supporting AGC, AEC, ANC;
- Supporting 2 external cascade microphones to extend pickup range up to 12 meters;
- Speaker with Passive diaphragm design with enhanced bass experience;
- USB3.0 interface, supporting MJPEG/H.264/H.265 data;
- Built-in Bluetooth for easy connection of external devices;
- Compatible with most popular video conferencing platforms.

Technical Data

AMC-G309UV2

Camera

Image Sensor
1/2.8" 4K CMOS, 8.46MP

Iris
F2.2

Focal Length
f=2.1mm

Digital Zoom
4x

FOV
Horizontal: 110°, Vertical: 74°

EPTZ
Support

Min Focus Distance
50cm

Video Output Format
4KP30

Exposure
Auto, Manual, Shutter Priority

White Balance
Auto, Manual

DNR
2D/3D

Image Flip
Flip/Mirror

EM-01

Extendable Microphone

SNR
69dB

Pick-up Distance
3 Meters, 360°

Cascade Number
Support up to two

Dimensions (L×W×H)
90mm×90mm×36mm

Audio

Built-in Mic
4 MIC array

Pick-up Distance
5 meters

Audio Process
AEC/ANC/AGC

USB

USB Interface
1xUSB3.0, Type B. Support UVC 1.0
MJPEG/H.264/H.265
MJPEG: 4KP30/P25, 1080P30/P25, 720P30/P25, 360P30/P25
H.264/H.265: 4KP20, 1080P30/P25, 720P30/P25, 360P30/P25

EPTZ

EPTZ
Support

General

Power
DC12V; <8W

Dimension (L×W×H)
603mm×74mm×95mm

Operating Temperature
0°C ~ +40°C

Storage Temperature
-20°C ~ +60°C

Weight
1.66kg

Other

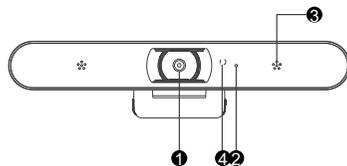
Network Interface
RJ45, 10M/100M

Bluetooth
Support

Mic Extension
Support

4K EPTZ Camera

MZC-F22UV5



Features

- 4K UHD video for superb experience;
- Up to 110° HFOV, full cover of meeting room;
- Auto framing tech based on AI algorithm, auto detection of attendees with best shot of the whole meeting participants;
- Built-in high-sense double mics, pickup range up to 5 meters;
- Standard USB3.0 Type-C interface, supporting standard UVC, UAC protocols;
- Designed for huddle room and small sized meeting rooms;
- Compatible with most popular video conferencing platforms.

Technical Data

Camera

Image Sensor

1/2.8" CMOS, 8.46MP

Max Image Size

4KP30

Video Format

YUY2/NV12: 1080P30/P25, 720P30/P25, 360P30/P25
MJPEG/H264/H265:

4KP30/P25, 1080P30/P25, 720P30/P25, 360P30/P25

Digital Zoom

4x

Focus Lens

f=2.1mm

Iris

F2.2

FOV

D:120°, H:110°, V:74°

Video Adjusts

Brightness, Hue, Saturation, Contrast, Sharpness

White Balance

Auto

Exposure

Auto

AI Function

Auto framing

SNR

≥50dB

EPTZ

Menu

Support

EPTZ

Support

Audio

Audio Input

Built-in dual microphones

Voice Pick-up Radius

5m

General

Power Consumption

< 2.5W

Power

DC5V(Power over USB), ≤0.5A

Operating Temperature

0°C ~ +40°C

Storage Temperature

-20°C ~ +60°C

Dimensions (L×W×H)

210mm×74mm×48mm

Weight

≤0.28KG

USB

USB Interface

1 × USB 3.0, Type-C

UVC

Support

UAC

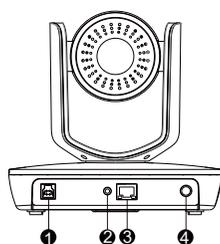
Support

Compatible OS

Windows, Mac OS, Android OS, Linux

4K PTZ Camera

AMC-G403



- 1 USB 3.0
- 2 LINE IN
- 3 LAN
- 4 DC 12V

Features

- 1/2.8" CMOS, 8.46MP;
- 3x lossless zoom @ 4K video output, 6x lossless zoom @ 1080P video output, 9x lossless zoom @ 720P video output, with a maximum HFOV up to 81.4°;
- USB 3.0 with max 4K video output;
- Standard UVC/UAC protocol;
- H.265/H.264 video compression;
- Network and USB 3.0 outputs;
- Dual stream.

Technical Data

Camera

Image Sensor

1/2.8" CMOS, 8.46MP

Optical Zoom

3x

Focal Length

f=3.3mm ~ 9.7mm

Iris

F2 ~ F3.7

HFOV

81.4° ~ 31.3°

Digital Zoom

5x

Focus System

Auto, Manual, PTZ Trigger, One Push Trigger

Shutter speed

1/50 ~ 1/10,000s

Min. Illumination

1.0Lux (Color)

AGC

Auto, Manual

White Balance

Auto, Manual, Auto Tracking, One Push, Specified Color Temperature

BLC

Support

Wide Dynamic

Support

Exposure

Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority

SNR

≥50dB

General

Power

DC12V; <12W

Operating Temperature

0°C ~ +40°C

Storage Temperature

-20°C ~ +60°C

Dimensions (L×W×H)

176mm×137mm×171mm

Weight

≤1.2kg

PTZ

Pan

-170°~+170°; 0.1°~120°/s

Tilt

-30°~+90°; 0.1° ~ 90°/s

Image Filp

Support

Preset Number

256

Interface

Network

1 × RJ45: 1×10M/100M

1. Image Compression: H.264/H.265: 4KP30/P25, 1080P60/P50/P30/P25, 720P60/P50/P30/P25

2. Protocol: ONVIF/RTSP/RTMP/TCP/UDP /SRT/RTMPS/GB28181

3. Audio Compression: AAC/G.711

4. Multi-Streams

USB 3.0

1. Support UVC1.1

2. UVC Support: H.264/H.265/MJPEG: 4KP30/P25, 1080P30/P25, 720P30/P25

YUY2/NV12: 1080P30/P25, 720P30/P25

3. UAC Audio Format PCM

Audio

1 × LINE IN, 3.5mm

Professional PTZ Cameras



Full NDI
Dante AV-H
SRT



PBC-120F/120S



PBC-120M

NDI HX3
SRT



PVC-G530P/G520P/G512P

NDI HX



LTC2-A2001NV4/A1202NV4
LTC2-NA2001NV4(NDI HX)

NDI HX3



AMC-G330P/AMC-G320P
AMC-NG330P/AMC-NG320P(NDI HX3)



AMC-G500(S)



AMC-G421S
AMC-G431S



LTC-KF20
STC-KF20



AMC-G320/G312

	PBC-120F/120S/120M	PVC-G530P PVC-G520P PVC-G512P	AMC-G500(S)	AMC-G421S AMC-G431S	LTC-KF20 STC-KF20		LTC2-A2001NV4/A1202NV4 LTC2-NA2001NV4	AMC-G330P/G320P AMC-NG330P/NG320P	AMC-G320/G312	
Powerful AI										
Dual Cam	PBC-120F PBC-120S	✓	✗	✗	✓		✓	✗	✗	
Sensor	4/3" CMOS 20MP	1/2.8" CMOS 8.46MP	1/2.8" CMOS 8.46MP	1/2.8" CMOS 8.46MP	1/2.8" CMOS >8MP		1/2.8" CMOS 2.14MP	1/2.8" CMOS 2.14MP	1/2.8" CMOS 2.14MP	
Resolution	4KP60	4KP60	4KP60	4KP30	4KP30		1080P60	1080P60	1080P60	
HFOV	71°	56.5°/56.5°/81°	81°	59.5°/72.5°	21°/44°		59.5°/72.5°	56.5°/59.5°	59.5°/72.5°	
Optical Zoom	20x	30x/20x/12x	12x	20x/12x	/		20x/12x	30x/20x	20x/12x	
PTZ	PTZ	PTZ	PTZ	PTZ	PTZ+EPTZ		PTZ	PTZ	PTZ	
SDI	12G-SDI 3G-SDI	3G-SDI	3G-SDI (Optional)	3G-SDI	✗		3G-SDI	3G-SDI	3G-SDI	
HDMI	✓	✓	✓	✓	✗		✓	✓	✓	
USB	USB 3.0	USB 2.0	USB 2.0	USB 3.0	USB 3.0		USB 3.0	USB 3.0	USB 3.0	
RS-232 IN	✓	✓	✓	✓	✗		✓	✓	✓	
RS-232 OUT	✗	✓	✓	✓	✗		✓	✗	✓	

Streaming Cameras



NDI-HX3
SRT



Q03ZW



ZC5-F20N



EZC-V20



AMC-G412Z

	Q03ZW	ZC5-F20N	EZC-V20	AMC-G412Z					
Powerful AI									
Dual Cam	×	×	×	×					
Sensor	1/2.8" CMOS 8.29MP	1/2.8" CMOS 8.46MP	1/2.8" CMOS 8.6MP	1/2.8" CMOS 8.46MP					
Resolution	4KP30	4KP30	4KP30	4KP30					
HFOV	81.4°	121°	60.35° (Vertical)	72.5° (Vertical)					
Optical Zoom	3x	×	18x	12x					
PTZ	PTZ	EPTZ	EPTZ	PTZ					
SDI	×	×	×	×					
HDMI	✓	×	✓	✓					
USB	USB 3.0	USB 2.0	×	USB 3.0					
RS-232 IN	×	×	×	✓					
RS-232 OUT	×	×	×	×					

4/3 Inch 4KP60 PTZ Camera

PBC-120F/120S/120M



Full NDI
Dante AV-H™
SRT
GenLock
TimeCode



PBC-120F/PBC-120S

PBC-120M

Features

- 4/3" CMOS, 20MP, output professional broadcast-grade imaging;
- 4K 20x optical zoom, 71° HFOV;
- Optional full-view cam, up to 4KP60/P59.94/P29.97@ dual cam (simultaneous close up-view and full view);
- PDAF: focus on fast, accuracy, and stability;
- Optional dual 12G-SDI, optional (GenLock, TimeCode);
- Support OLPF, significantly reduce moiré patterns;
- Standard ND filter for various lighting conditions; custom filters installable;
- Built-in advanced deep learning AI algorithms, support lecturer tracking, auto framing, gesture control and anything tracking...;
- Free D protocol, facilitating the construction of professional virtual studios;
- Support NDI® HX3, Dante AV-H, SRT etc protocol;
- Support 12G-SDI, 3G-SDI, HDMI2.0, 1000M POE Ethernet port, USB3.0;
- Dual tally lights in indicating the status of the video streams, support web UI;
- External TF card support for one-touch recording;
- Optional Full NDI®, HDBaseT, or SDVoE.

Technical Data

Tracking Camera

Image Sensor
4/3" CMOS, 20MP, up to 4KP60

ND Filter
Switchable: 1/64, 1/16, 1/4, 1

Optical Zoom
20x

Digital Zoom
16x

Field of View
HFOV: 71° ~ 4°

Len
f=9.8mm ~ 186mm, F2.8 ~ F4.5

Full-View Cam (Optional)

Image Sensor
1/1.8" CMOS, 8.46MP, max 4KP60

Lens
f=4.4mm; F2.0

HFOV
85°

PTZ

Pan
-170° ~ +170°, 0.05° ~ 120°/s

Tilt
-30° ~ +90°, 0.05° ~ 90°/s

Preset Number
256

Image

Image Style
One-click multi-image styles

Shutter Speed
1/25-1/10,000s

Metering Mode
Top, Bottom, Center, Average, Left, Right

Parameter Adjustment
Image parameters of close up and full view can be adjusted independently

Color Matrix
Supported

Image Stabilization
OIS+EIS

Focusing Mode
PDAF+CDAF

Custom Filters
82mm threaded interface for direct mounting

General

Control protocols
Visca, Pelco-P, Pelco-D, one channel RS-232/422(RJ45)

Dimensions(L×W×H)
208.3mm×238mm×299.3mm

Weight
≤5kg

Interface

SDI
2-channel 12G-SDI(One optional), one BNC, one SFP+, with audio output, up to 4KP60/P59.94; 1080i60/i59.94; 2-channel 3G-SDI(One optional), with audio output, up to 1080P60

Network
RJ45, 10M/100M/1000M adaptive Ethernet, up to 4KP60

USB
1-channel USB3.0 Type-A, with audio output, up to 4KP60

HDMI
1-channel HDMI2.0, with audio output, up to 4KP60

GenLock(Optional)
One BNC interface for input only

TimeCode(Optional)
One BNC interface for input only

SFP
One fiber optic network interface

Full NDI®(Optional)
Mutually exclusive with HDBaseT and SDVoE

SDVoE(Optional)
Mutually exclusive with HDBaseT and Full® NDI

HDBaseT(Optional)
Mutually exclusive with SDVoE and Full® NDI

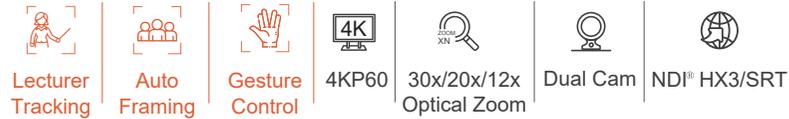
	PBC-120F	PBC-120S	PBC-120M
Single/Dual Cam	Dual Cam	Dual Cam	Single Cam
12G-SDI	2 Channel	1 Channel	1 Channel
GenLock	✓	✗	✗
TimeCode	✓	✗	✗
Powerful AI	Dual Cam Tracking /Single Cam Tracking	Dual Cam Tracking /Single Cam Tracking	Single Cam Tracking
Full NDI	✓	Optional	Optional
HDBaseT	Optional	Optional	Optional
SDVoE	Optional	Optional	Optional



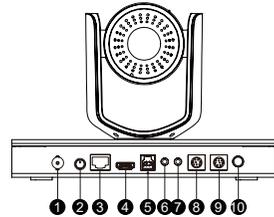
Specifications
PBC-120F
PBC-120S
PBC-120M

4KP60 Dual Cam PTZ Camera

PVC-G530P/G520P/G512P



NDI HX3
SRT



- ① 3G-SDI
- ② DIP Switch
- ③ LAN
- ④ HDMI
- ⑤ USB2.0
- ⑥ Ref.LINE IN
- ⑦ LINE IN
- ⑧ RS-232 IN
- ⑨ RS-232 OUT
- ⑩ DC 12V

Features

- Dual cam design with simultaneous 4K video outputs;
- Tracking cam: 30x/20x/12x optical zoom, max 4KP60/P59.94/P29.97 video output;
- Full-view cam: 94° HFOV, no distortion;
- Built-in advanced AI algorithm based on deep learning;
- Board writing detection based on skeletal key point recognition;
- Rich AI tracking modes such as auto framing, zone tracking, lock-n-track, group tracking, gesture control etc.;
- Allow selection of full-body, half-body, or close-up shot ratios for the tracking target;
- Simultaneous output over HDMI, USB, Ethernet (POE);
- Web UI, for easy setting and operation;
- NDI® HX3, SRT.

Technical Data

Tracking Camera

PVC-G530P	PVC-G520P	PVC-G512P
Focal f=5.2mm ~ 156mm	Focal f=5.2mm ~ 106mm	Focal f=3.4mm ~ 40.3mm
Iris F1.6 ~ F5	Iris F1.6 ~ F3.5	Iris F1.8 ~ F3.6
Optical Zoom 30x	Optical Zoom 20x	Optical Zoom 12x
HFOV 56.5° ~ 2°	HFOV 56.5° ~ 2.8°	HFOV 81° ~ 7.6°

Tracking Camera

Image Sensor
1/2.8"CMOS, 8.46MP

Focus
Auto, Manual, PTZ Trigger, One Push Trigger

Shutter Speed
1/60 ~ 1/10,000s

AGC
Auto, Manual

White Balance
Auto, One Push, Manual, Static Color Temperature

Exposure
Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority

Ful-View Cam

Image Sensor
1/2.8"CMOS, 8.46MP

Focus
f=2.8mm

HFOV
94°

White Balance
Auto

Exposure
Auto

Interface

HDMI

1 × HDMI with audio;
Output switchable between full-view cam and tracking cam: max 4KP30;
Output only from tracking cam: max 4KP60;
Support broadcast resolution: max 4KP59.94/P29.97.

Audio Interface

1×LINE IN, 3.5mm, ACC, G.711

Control Interface

1×RS-232 IN, 1×RS-232 OUT

DIP Switch

Rotary DIP switch to set video format

3G-SDI

1 × 3G-SDI with audio;
Output switchable between full-view cam and tracking cam: max 1080P60;
Output only from tracking cam: max 1080P60;
Support broadcast resolution: max 1080P59.94/P29.97;

USB

USB2.0 Type-B with UAC, UVC1.1;
UVC supports H.264/MJPEG: 4KP30/P25, 1080P30/P25, 720P30/P25, 360P30/P25

General

Control Protocol
VISCA

Power
DC12V, <18W

Operating Temperature
0°C ~ +40°C

Storage Temperature
-20°C ~ +60°C

Dimensions (L×W×H)
245mm×145mm×165mm

Weight
≤2kg

PTZ

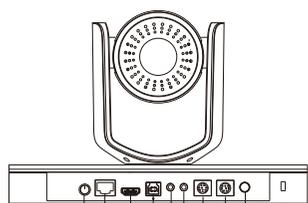
Pan
-130° ~ +130°, 0.2° ~ 80°/s

Tilt
-30° ~ +90°, 0.2° ~ 60°/s

Preset Number
256

4KP60 PTZ Camera

AMC-G500(S)



- | | |
|--------------|--------------|
| 1 DIP Switch | 6 LINE IN |
| 2 LAN | 7 RS-232 IN |
| 3 HDMI 2.0 | 8 RS-232 OUT |
| 4 USB 2.0 | 9 DC 12V |
| 5 Reserved | |

Features

- 4K lens, 12x optical zoom, up to 81° HFOV, max 4KP60 video outputs;
- Rich AI tracking: everywhere tracking; select target tracking; switching target; adjustable body size; gesture control etc.;
- Track lecturer all around the classroom, even if lecturer walks into student area;
- Auto adjust as per the height of lecturer;
- Allow selection of full-body, half-body, or close-up shot ratios for the tracking target;
- HDMI, USB, Ethernet, 3G-SDI(Optional) interfaces, support POE.

Technical Data

Camera

Image Sensor
1/2.8"CMOS, 8.46MP

Focal
f=3.4mm ~ 40.3mm

Iris
F1.8 ~ 3.6

Zoom
12x optical zoom

HFOV
81°~ 7.6°

Focus
Auto, Manual

White Balance
Auto, Manual

Exposure Control
Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority

SNR
≥50dB

DNR
2D/3D

BLC
Support

PTZ

Pan
-130° ~ +130°; 0.2° ~ 87°/s

Tilt
-30° ~ +90°; 0.2° ~ 67°/s

Preset Number
64

Image Flip
Support

General

Power
DC12V; <18W

Control Protocol
VISCA/PELCO-P/PELCO-D

Operating Temperature
0°C ~ +40°C

Storage Temperature
-20°C ~ +60°C

Dimensions (L×W×H)
245mm×146mm×164mm

Weight
<2kg

Interface

HDMI 2.0

Support 4KP60/P50/P30/P25, 1080P60/P50/P30/P25, 1080I60/I50, 720P60/P50

Network

RJ45 (10M/100M), support POE
1.4KP60/P50/P30/P25, 1080P60/P50/P30/P25, 720P60/P50
2. Image compression H.264/H.265

USB 2.0

1. Support UVC 1.1
2. Image compression H.264/MJPEG; support 4KP30/P25, 1080P30/P25, 720P30/P25, 360P30/P25

3G-SDI(Optional)

1 × 3G-SDI(Optional); 1080P60/P50/P30/P25, 1080I60/I50, 720P60/P50

Audio Input

1 × LINE IN, 3.5mm

Control Interface

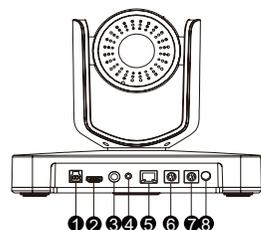
1 × RS-232 IN, 1 × RS-232 OUT

DIP Switch

Rotating DIP switch to set video format

4K PTZ Camera

AMC-G421S/G431S



- | | |
|-----------|---------------------|
| ① USB3.0 | ⑤ LAN |
| ② HDMI | ⑥ RS-232 IN |
| ③ 3G-SDI | ⑦ RS-232 OUT/RS-485 |
| ④ LINE IN | ⑧ DC 12V |

Features

- 1/2.8" CMOS, 8.46MP;
- Up to 20x optical zoom;
- Up to 72.5° HFOV;
- Up to 4KP30 video output;
- Rich AI tracking: everywhere tracking; select target tracking; switching target; adjustable body size; gesture control etc.;
- Allows selection of full-body, half-body, or close-up shot ratios for the tracking target;
- Support standard UVC/UAC protocol;
- Support HDMI, 3G-SDI, USB and Ethernet outputs;
- Dual stream.

Technical Data

Camera

AMC-G421S

Image Sensor

1/2.8" CMOS, 8.46 MP

Focal

f=4.7mm ~ 94mm

Iris

F1.6 ~ F3.5

Zoom

Optical:20x; Digital:16x

HFOV

59.5° ~ 2.9°

AMC-G431S

Image Sensor

1/2.8" CMOS, 8.46 MP

Focal

f=3.9mm ~ 46.8mm

Iris

F1.6 ~ F2.8

Zoom

Optical:12x; Digital:16x

HFOV

72.5° ~ 6.3°

General

Power

DC12V; <15W

Control Protocol

VISCA /PELCO-P/PELCO-D

Operating Temperature

0°C ~ +40°C

Storage Temperature

-20°C ~ +60°C

Dimensions (L×W×H)

211mm×137mm×170mm

Weight

≤1.2kg

Camera

Focusing System

Auto, Manual, PTZ Trigger, One Push Trigger

White Balance

Auto, Manual, Auto Tracking, One Push, Static Color Temperature

Wide Dynamic

Support

Anti-Flicker

Support

Exposure

Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority

AGC

Auto, Manual

BLC

Support

SNR

≥50dB

PTZ

Pan

-170° ~ +170°; 0.1° ~ 120°/s

Tilt

-30° ~ +90°; 0.1° ~ 90°/s

Preset Number

256

Image Filp

Support

Interface

HDMI 1.4

4KP30/P25, 1080P60/P50/P30/P25, 720P60/P50/P30/P25

Network

1×RJ45:1×10M/100M, POE

1. Up to 4KP30 video output

2. Image Compression: H.264/H.265;

3. Protocol: ONVIF/RTSP/RTMP /SRT/TCP/UDP/RTMPS /GB28181;

4. Audio Compression: AAC, G.711;

5. Support multiple dual streams;

6. NDI[®] HX3 Optional.

USB 3.0

1. Support UVC1.1

2. UVC Support:

YUY2/NV12:1080P30/P25, 720P30/P25, 480P30/P25, 360P30/P25

H.264/H.265/MJPEG: 4KP30/P25, 1080P60/P50/P30/P25, 720P60/P50/P30/P25, 360P30/P25

3. UAC Audio Format PCM

Control Interface

1×RS-232 In

1×RS-232 Out/RS-485

3G-SDI

1080P60/P50/P30/P25, 720P60/P50/P30/P25

Audio

1×LINE IN, 3.5mm

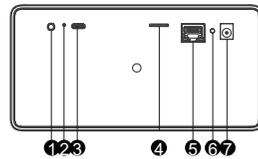
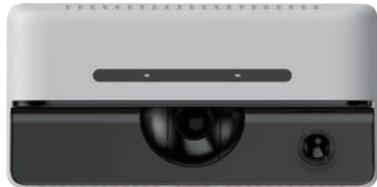
HDBaseT(Optional)

4KP30/P25, 1080P60/P50/P30/P25, 720P60/P50;

Supports power supply and control, and the transmission distance can reach up to 70 meters.

4K Micro Dual Cam Camera

LTC-KF20/STC-KF20



- 1 Audio
- 2 Reset Hole
- 3 USB 3.0 Type-C
- 4 TF Card
- 5 LAN
- 6 Power Indicator Light
- 7 DC 12V

Features

- Dual Cam Camera: Over 8MP for close-up camera, with a 21° HFOV (lecturer camera) / 44° (student camera); Over 4MP for full-view camera, with a HFOV 44° (lecturer camera) / 110° (student camera) with no distortion;
- 4K close-up camera provides excellent close-up clarity for teachers and students;
- Rich AI features, such as lecturer tracking, teacher behavior analysis, teacher expression analysis, teacher attendance; student standing, student behavior analysis, student attendance, classroom engagement metrics, etc.;
- Real-time digital capture of the blackboard content ensures unobstructed display of the writing;
- USB 3.0 interface compatible with various platform software;
- RJ45 interface with POE functionality;
- Pan range can reach up to 128°, tilt range up to 70°;
- Support TF storage.

Technical Data

Tracking Camera

Image Sensor

1/2.8" CMOS, >8MP

Focal Lens

f=16mm (LTC-KF20)
f=7mm (STC-KF20)

Iris

F2.2 (LTC-KF20)
F2.5 (STC-KF20)

FOV

H: 21°;V: 12° (LTC-KF20)
H: 44°;V: 26° (STC-KF20)

Digital Zoom

4x

White Balance

Auto, One Push, Manual,

Exposure

Auto, Manual, Shutter Priority, Brightness Priority

AGC

Auto, Manual

Shutter Speed

1/30 ~ 1/10,000s

General

Control Protocol

VISCA OVER IP, ONVIF

Power

DC12V, <12W

Operating Temperature

0°C ~ +40°C

Storage Temperature

-20°C ~ +60°C

Dimensions (L×W×H)

180mm×100mm×90mm

Weight

<1kg

Full-View Camera

Image Sensor

1/2.8" CMOS, >4MP

Focal Lens

f=7mm (LTC-KF20)
f=2mm (STC-KF20)

Iris

F2.5 (LTC-KF20)
F2.2 (STC-KF20)

FOV

H: 44°;V: 26° (LTC-KF20)
H: 110°;V: 74° (STC-KF20)

PTZ

Pan

128°, 0.2°/s ~ 80°/s

Tilt

70°, 0.2°/s ~ 45°/s (LTC)
60°, 0.2°/s ~ 45°/s (STC)

Preset Number

256

Interface

Network

RJ45 (10M/100M) interface, POE
H.265/H.264/MJPEG
3840*2160 P30,
2880 *1620 P30,
1920*1080 P30,
P30,1280*720 P30,
640*360 P30, Support for quad-stream output
Protocols: TCP/UDP /DHCP/HTTP/HTTPS /ONVIF/VISCA OVER IP/VISCA Passthrough /RTMP/RTSP

USB

USB3.0 Type-C
Support UVC 1.1
H.264/H.265/MJPEG
3840*2160@30fps;
1920*1080@30fps,
1280*720@30fps,
640*360@30fps

Audio

1xLINE IN, 3.5mm

TF Card

64G (Micro TF)

1080P60 PTZ Camera

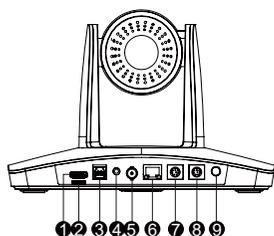
LTC2-(N)A2001NV4/A1202NV4



NDI HX



LTC2-A2001NV4/A1202NV4
LTC2-NA2001NV4(NDI® HX)



- | | |
|-----------|--------------|
| ① HDMI | ⑥ LAN |
| ② TF Card | ⑦ RS-232 OUT |
| ③ USB3.0 | ⑧ RS-232 IN |
| ④ LINE IN | ⑨ DC 12V |
| ⑤ 3G-SDI | |

Features

- Dual-cam design for tracking view and full view, max 1080P60 video outputs;
- Tracking cam: HD lens with 20x/12x optical zoom, up to 72.5° HFOV;
- Full-view cam for detection and recognition of all people in the scene;
- Built-in advanced AI algorithm based on deep learning, rich tracking modes such as auto framing, zone tracking, lock-n-track, group tracking, etc.;
- Simultaneous outputs over HDMI, USB3.0, Ethernet and 3G-SDI, optional POE.

Technical Data

Tracking Camera

LTC2-(N)A2001NV4

Image Sensor
1/2.8" CMOS, 2.14MP

Optical Zoom
20x

Digital Zoom
8x

Lens
f=4.7~94.0mm, F1.6~F3.5

HFOV
59.5° ~ 2.9°

LTC2-A1202NV4

Image Sensor
1/2.8" CMOS, 2.14MP

Optical Zoom
12x

Digital Zoom
8x

Lens
f=3.9~46.8mm, F1.6~F2.8

HFOV
72.5° ~ 6.3°

Tracking Camera

Focus

Auto, Manual, PTZ Trigger, One Push Trigger

White Balance

Auto, One Push, Manual, Static Color Temperature

Exposure

Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority

Shutter Speed

1/60 ~ 1/10,000s

Gain

Auto, Manual

SNR

≥50dB

Full-View Camera

Image Sensor

1/2.8"CMOS, 2.14MP

White Balance

Auto

Exposure

Auto

Focal Length

Manual focus, 2.4mm

Viewing Angle

Horizontal:88°
Vertical:54°

General

Control Protocol

VISCA, PELCO-P, PELCO-D

Power

DC12V; < 15W

Operating Temperature

0°C ~ +40°C

Storage Temperature

-20°C ~ +60°C

Dimensions(L×W×H)

243mm×157mm×163mm

Weight

<2kg

PTZ

Pan

-170° ~ +170°; 0.1° ~ 120°/s

Tilt

-30° ~ +90°; 0.1° ~ 90°/s

Preset Number

64

Image Flip

Support

Interface

HDMI

1 × HDMI; Support 1080P60/P59.94/P50/P30/P29.97/P25, 720P60/P59.94/P50

Network

RJ45 (10M/100M), optional POE
1. Up to 1080P60
2. Image Compression: H.264/H.265
3. Protocols: ONVIF/RTSP/RTMP
4. Audio Compression: AAC
5. Support multi streaming

USB 3.0

1. Support UVC 1.1
2. Image compression H.264/H.265/MJPEG; support 1080P30/P25, 720P30/P25, 360P30/P25
3. UAC audio compression support PCM

3G-SDI

1 × 3G-SDI; support 1080P60/P50/P30/P25, 720P60/P50

Audio input

1 × LINE IN, 3.5mm audio interface

Control Interface

1 × RS-232 IN, 1 × RS-232 OUT

Local Storage

Built-in TF card slot, max 64G

1080P60 PTZ Camera

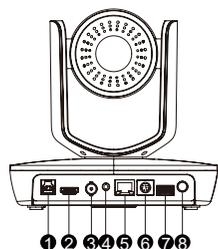
AMC-(N)G330P/(N)G320P



NDI HX3
SRT



AMC-G330P/G320P
AMC-NG330P/NG320P(NDI® HX3)



- ① USB3.0
- ② HDMI
- ③ 3G-SDI
- ④ LINE IN
- ⑤ LAN
- ⑥ RS-232 IN
- ⑦ RS-485/422
- ⑧ DC 12V

Features

- 30x/20x optical zoom, up to 1080P60 resolution, support 59.94/29.97 frame rate;
- Compact design with prominent tally light;
- Rich AI tracking: everywhere tracking; select target tracking; switching target; adjustable body size; gesture control etc.;
- Allow selection of full-body, half-body, or close-up shot ratios for the tracking target;
- Network protocols support NDI® HX3/SRT/ONVIF/RTMPS/VISCA/VISCA OVER IP;
- WEB UI supported;
- With HDMI, Network(POE), 3G-SDI and USB3.0 video output interface;
- Support RS-232 IN, RS-485/422;
- Applicable for large-scale scenarios such as classrooms, auditoriums, lecture halls, concert halls, and video production scenarios.

Technical Data

Camera

AMC-(N)G330P

Image Sensor
1/2.8" CMOS, 2.14 MP

Optical Zoom
30x

Lens
f=5.2~156mm; F1.6~F5

HFOV
56.5°~ 2°

AMC-(N)G320P

Image Sensor
1/2.8" CMOS, 2.14 MP

Optical Zoom
20x

Lens
f=4.7~94.0mm; F1.6~3.5

HFOV
59.5°~ 2.9°

PTZ

Pan
-170° ~ +170°; 0.1° ~ 120°/s

Tilt
-30° ~ +90°; 0.1° ~ 90°/s

Preset Number
256

Image Flip
Support

General

Power
DC12V; <15W

Control Protocol
VISCA

Operating Temperature
0°C ~ +40°C

Storage Temperature
-20°C ~ +60°C

Dimensions (L×W×H)
176mm×137mm×171mm

Weight
≤1.2kg

Camera

Digital Zoom

16x

Focus System

Auto, Manual, PTZ
Trigger, One Push
Trigger

Exposure Control

Auto, Manual, Shutter
Priority, Iris Priority,
Bright Priority

Min. Illumination

50Lux

Shutter Speed

1/50 ~1/10,000s

AGC

Auto, Manual

White Balance

Auto, One Push, Manual,
Static Color Temperature

SNR

≥50dB

Menu

Yes

Interface

HDMI

1×HDMI, support audio output.
1080P60/P59.94/P50/P30/P29.
97/P25,720P60/P59.94/P50

Network

1×10M/100M RJ45 (POE)
Image Compression:
H.265/H.264
Up to 1080P60 video output;
Audio Compression: AAC,
G.711
Protocols:
ONVIF/RTSP/RTMP/SRT/TCP/
UDP/RTMPS/VISCA/VISCA
OVER IP
Support multiple stream
Support NDI® HX3
Support Web UI

USB

1×USB 3.0 Type-B, UAC
Audio Format PCM, USB3.0
Compatible with USB2.0
1. Support UVC1.1.
2. UVC Video Format
Support:
H.264/H.265/MJPEG,
Max 1080P60
YUY2/NV12,
Max 1080P30

3G-SDI

1×3G-SDI, support audio
output
1080P60/P59.94/P50/P30/
P29.97/P25;
720P60/720P59.94/P50

Audio Input

1×LINE IN 3.5mm

Control Interface

1 × RS-232 IN, 1 × RS485/422

Remote Interface

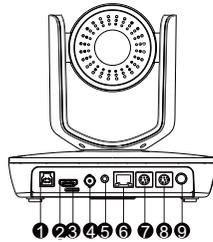
IR Remote control

Display Interface

Supports red and green dual
color Tally lights

1080P60 PTZ Camera

AMC-G320/G312



- | | |
|-----------|--------------|
| ① USB3.0 | ⑥ LAN |
| ② HDMI | ⑦ RS-232 IN |
| ③ TF Card | ⑧ RS-232 OUT |
| ④ 3G-SDI | ⑨ DC 12V |
| ⑤ LINE IN | |

Features

- 1/2.8" CMOS, 2.14MP;
- 20x/12x optical zoom, up to 1080P60 video output;
- Rich AI tracking: everywhere tracking; select target tracking; switching target; adjustable body size; gesture control etc.;
- Allow selection of full-body, half-body, or close-up shot ratios for the tracking target;
- HDMI, 3G-SDI, Ethernet and USB 3.0 outputs;
- Support standard UVC/UAC protocol;
- Support YUY2 uncompressed video formats;
- RS232 In & RS232 Out, support daisy chain;
- H.265/H.264 video compression, up to 1080P60 video output;
- Dual stream.

Technical Data

Camera

AMC-G320	AMC-G312
Image Sensor 1/2.8" CMOS, 2.14 MP	Image Sensor 1/2.8" CMOS, 2.14 MP
Iris F1.6 ~ F3.5	Iris F1.6 ~ F2.8
Focal Length f=4.7mm ~ 94mm	Focal Length f=3.9mm ~ 46.8mm
HFOV 59.5° ~ 2.9°	HFOV 72.5° ~ 6.3°
Optical zoom 20x	Optical zoom 12x

Camera

Digital Zoom 16x	White Balance Auto, One Push, Manual, ATW, Static Color Temperature
Focusing System Auto, Manual, PTZ Trigger, One Push Trigger	Wide Dynamic Support
Shutter Speed 1/50 ~ 1/10,000s	Exposure Auto, Manual, Shutter Priority, Iris Priority, Brightness Priority
AGC Auto, Manual	SNR ≥50dB
BLC Support	

Interface

HDMI 1080P60/P50/P30/P25, 720P60/P50/P30/P25, 480P60/P50/P30/P25	USB 3.0 1. Support UVC1.1 2. UVC Support: H.264/H.265/MJPEG: 1080P60/P50/P30/P25, 720P60/P50/P30/P25, 480P60/P50/P30/P25, 360P60/P50/P30/P25 YUY2/NV12: 1080P30/P25, 720P30/P25, 480P30/P25, 360P30/P25 3. UAC Audio Format PCM	3G-SDI 1080P60/P50/P30/P25, 720P60/P50/P30/P25
Network RJ45., 10M/100M(POE Optional) 1. Video Output Format: Max 1080P60; 2. Image Compression: H.264/H.265 3. Protocol: ONVIF/RTSP /RTMP/TCP/UDP/SRT/RTMPS /GB28181; 4. Audio Compression: AAC, G.711 5. Support multiple stream		Audio 1×LINE IN, 3.5mm Control Interface 1×RS-232 In 1×RS-232 Out/RS-485 TF Card Max support 256G

PTZ

Pan -170° ~ +170°; 0.1° ~ 120°/s
Tilt -30° ~ +90°; 0.1° ~ 90°/s
Preset Number 256
Image Flip Support

General

Power DC12V; <15W
Control Protocol VISCA (support daisy chain) / PELCO-P / PELCO-D
Operating Temperature 0°C ~ +40°C
Storage Temperature -20°C ~ +60°C
Dimensions (L×W×H) 176mm × 137mm × 171mm
Weight ≤1.2kg

4K Mobile Wireless Streaming Camera

Q03ZW



NDI HX3
SRT



APP



Features

- Maximum lossless zoom 9x;
- Built-in battery, over 5 hours of battery life;
- Built-in WIFI with multi-cameras networking;
- Accept feed from external NDI video sources;
- Use the mobile app for video preview, cam switch, control, and streaming, with the phone LTE network, do real-time outdoor streaming to YouTube, Facebook, etc.;
- Support HDMI and USB3.0, max 4K30;
- Built-in TOF aux focus with fast focus on short distance objects;
- Overlay of text, picture-in-picture, URLs, and other elements.
- Enables adjustment of transition effects for multi-camera switching.
- Built-in mic with high sensitivity and long range of pick-up;
- Built-in Line-in for external mic;
- Multi-channel audio input, including audio from the mobile phone.
- Both local storage on a TF card and directly saving streaming videos on the mobile phone;
- Magnetic privacy cover.

Technical Data

Camera

Image Sensor
1/2.8"CMOS, 8.29MP

Focal
f=3.3mm ~ 9.7mm

Iris
F2 ~ F3.7

Optical Zoom
3x

Digital Zoom
3x

HFOV
81.4° ~ 31.3°

Focus
Auto, Manual

MIC
2

TOF
Support

OSD
Support

Overall Performance

Battery
9000mah, ≥5h

WIFI & Bluetooth
2.4G/5G Dual band wireless, Distance≥ 30m; Support Bluetooth 5.0

Multi-Camera Setups
Supports 3-camera networking

Compatible APPS
Youtube, Facebook Live, Twitch (Native), Vimeo, Tiktok, Livestream.....

General

Power Consumption
< 5W

Operating Temperature
0°C ~ +40°C

Storage Temperature
-20°C ~ +60°C

Dimensions (L×W×H)
100mmx100mmx50mm

Weight
≤500g

Interface

HDMI

1xHDMI, with audio:
4KP30, 1080P30, 720P30

Wireless

1x2.4G/5G WIFI
1. 4KP30, 1080P30, 720P30, 360P30
2. Support H.264;
3. Audio Compression: AAC
NDI: 4KP30, 1080P30, 720P30, 360P30

USB 3.0

1xUSB 3.0 Type-C
USB3.0:
1. Support UVC1.1
UVC support YUY2: 1080P30, 720P30, 360P30
H.264/MJPEG: 4KP30, 1080P30, 720P30, 360P30
2. UAC Audio Format PCM

Audio

1 x LINE IN, 3.5mm

Storage Interface

TF Card

Power

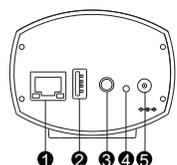
USB TYPE-C

Wireless Control

Mobile phone APP

4K EPTZ Camera

ZC5-F20N



- ① LAN
- ② USB 2.0
- ③ LINE IN
- ④ Power Indicator
- ⑤ DC 12V

Features

- 1/2.8" CMOS sensor, 8.46 MP;
- 121° HFOV, enable to frame more, with no distortion;
- Support EPTZ;
- Video resolution up to 4KP30, H.265/ H.264 video compression;
- With OSD menu;
- POE supported;
- Support student locating.

Technical Data

Camera

Image Sensor

1/2.8" CMOS, 8.46 MP

Focal Length

f=1.64mm

Iris

F=2.4

HFOV

121°

Shutter Speed

1/60~1/10,000s

AGC

Auto, Manual

White Balance

Auto, Manual, One Push

AE Control

Auto, Manual, Shutter Priority

Interface

Network

RJ45 (10M/100M), optional POE

1. Up to 4KP30
main stream: 1080P30/P25, 720P30/P25, 360P30/P25
sub stream: 4KP30/P25, 1080P30/P25, 720P30/P25, 360P30/P25

2. Image compression
H.264/H.265

3. Support HTTP/TCP
/UDP/RTSP/RTMP/ONVIF

4. Support AAC

5. Browser access supported.

USB 2.0

1. Support UVC

2. Image compression
H.264/H.265/MJPEG; support
4KP30/P25, 1080P30/P25,
720P30/P25, 360P30/P25
Platform OS: Windows 7/8/10,
Mac OS, Android OS

Audio Interface

1 × LINE IN

General

Control Protocol

VISCA

Power

DC12V; <5W

Address

0~63

Operating Temperature

0°C ~ +40°C

Storage Temperature

-20°C ~ +60°C

Dimensions (W×D×H)

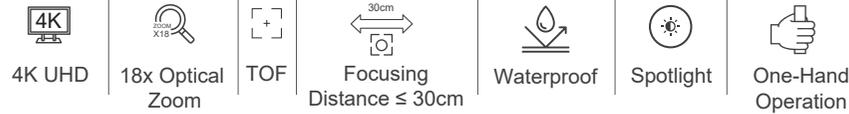
149 mm×76 mm×58mm

Weight

<0.5kg

4K Coaching Camera

EZC-V20



Features

- 8.6 megapixels 1/2.8-inch high-performance 4K CMOS sensor;
- 18x optical zoom HD lens, minimum focus distance 30 cm supported;
- Built-in auxiliary focus sensor for fast, accurate and stable focusing;
- Quick and stable switching between near-focus and far-focus modes;
- Accurate, true-to-life and vivid image color reproduction;
- HDMI and network output interfaces supported;
- Full-function button operation supported;
- Ergonomic one-hand design for high comfort;
- Tailor-made for demonstration teaching scenarios.

Technical Data

Camera

Image Sensor

1/2.8" CMOS, 8.6MP

Max Resolution

4KP30 (Output)

Zoom

18x Optical, 8x Digital

Focal

f=5.1mm ~ 91.9mm

Iris

F2.6 ~ F3.2

HFOV

60.35° ~ 3.96°

Video Adjustment

Brightness, Chrominance, Saturation, Contrast, Sharpness

White Balance

Auto

Exposure Control

Auto

SNR

≥50dB

Buttons

10 function buttons (Brightness/Focus/Menu/Fill Light/Freeze/Zoom)

EPTZ

Support

Others

HDMI

3840x2160p30, 3840x2160p25, 1920x1080p60, 1920x1080p50, 1920x1080p30, 1920x1080p25, 1280x720p60, 1280x720p50, 1280x720p30, 1280x720p25

Network

10M/100M, POE, H.264/H.265, Default H.264

Main Stream:

3840x2160p30, 3840x2160p25, 1920x1080p60, 1920x1080p50, 1920x1080p30, 1920x1080p25, 1280x720p60, 1280x720p50, 1280x720p30, 1280x720p25, 1024x576p60, 1024x576p50, 1024x576p30, 1024x576p25, 960x540p60, 960x540p50, 960x540p30, 960x540p25, 640x360p60, 640x360p50, 640x360p30, 640x360p25, 320x180p60, 320x180p50, 320x180p30, 320x180p25

Sub Stream:

1280x720p60, 1280x720p50, 1280x720p30, 1280x720p25, 1024x576p60, 1024x576p50, 1024x576p30, 1024x576p25, 960x540p60, 960x540p50, 960x540p30, 960x540p25, 640x360p60, 640x360p50, 640x360p30, 640x360p25, 320x180p60, 320x180p50, 320x180p30, 320x180p25

Operating System

Windows 7/8/10, Mac OS, Android OS, Linux

General

Power Consumption

< 7W

Power

DC 12V, POE

Operating Temperature

0°C ~ +40°C

Storage Temperature

-20°C ~ +60°C

Humidity

10% RH ~ 90 %RH

Dimensions (L×W×H)

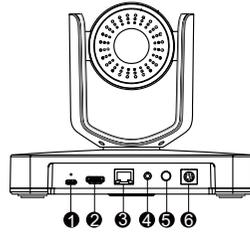
222mm×177mm×214mm

Weight

1.8Kg

4K Portrait Screen PTZ Camera

AMC-G412Z



- 1 USB3.0 Type-C
- 2 HDMI
- 3 LAN
- 4 LINE IN
- 5 DC 12V
- 6 RS-232 IN

Features

- 8.46 million pixels sensor, up to 4K30 UHD video output;
- The camera can output high-quality, uncropped vertical images directly;
- 12x optical zoom combined with 16x digital zoom for easy live streaming, showing more details;
- Equipped with a TOF (Time of Flight) sensor for close-range focusing assistance;
- Prominent Tally light provides assistance with device switching;
- USB 3.0 (compatible with USB 2.0) Type-C port supports simultaneous audio and video output, plug and play;
- HDMI for direct output of uncompressed 4K 30fps video;
- Comes with a 2.4G wireless remote control, allowing easy long-distance control without the need for direct line of sight.

Technical Data

Camera

Image Sensor
1/2.8" CMOS, 8.46MP

Focal Length
f=4.1mm ~ 49.2mm

Iris
F1.8 ~ F2.68

Optical Zoom
12x

Digital Zoom
16x

FOV
V: 72.5°; H: 42.1°

Focus
Auto, Manual, PTZ Trigger, One Push Trigger

Shutter Speed
1/1 ~ 1/10000s

AGC
Auto, Manual

White Balance
Auto, Manual, One Push Trigger, Auto Tracking

Min. Illumination
0.5Lux

AE Control
Auto, Manual, Shutter Priority, Iris Priority

SNR
≥65dB

Others

Aux Focus
TOF Assisted Focusing

Remote
15m, 360°Wireless remote control

Firmware Upgrade
USB

PTZ

Pan
-170° ~ +170°; 0.1° ~ 100°/s

Tilt
-30° ~ +90°; 0.1° ~ 90°/s

Preset Number
64(LAN)

General

Power
DC12V; <12W

Control Protocol
VISCA

Operating Temperature
0°C ~ +40°C

Storage Temperature
-20°C ~ +60°C

Dimensions (L×W×H)
211mm×137mm×170mm

Weight
≤1.2kg

Interface

USB

USB3.0(Compatible USB2.0) Type-C With thread lock * 1, support USB power supply

1. UVC Support UVC1.1

UVC Support YUY2/NV12: 1080P60/P50/P30/P25, 720P60/P50/P30/P25

H.264/H.265/MJPEG: 4KP30, 1080P60/P50/P30/P25, 720P60/P50/P30/P25

2. UAC Audio format PCM

USB2.0 resolution:

UVC Support YUY2/NV12:1080P30/P25, 720P60/P50/P30/P25

H.264/H.265/MJPEG: 1080P60/P50/P30/P25, 720P60/P50

HDMI

1 × HDMI, support audio output, 4KP30, 1080P60/P50/P30/P25, 720P60/P50/P30/P25

Network

10M/100M RJ45

1. 4KP30, 1080P60/P50/P30/P25, 720P60/P50/P30/P25,

2. Video Format: H.264/H.265;

3. Audio Compression: AAC

4. Support Web UI

Audio

1 × LINE IN, 3.5mm

Control Interface
1 × RS-232

129-Array Ceiling Microphone

BAM129



Features

- The ceiling microphone has a 129-unit omnidirectional microphone array with a sound amplification distance of 4 meters and a sound pickup distance of 8 meters;
- Acoustic feedback gain $\geq 15\text{dB}$, louder volume, less prone to howling, making speech burden-free;
- The ClearVoice AI large model deep algorithm is embedded to accurately identify sounds, remove various noises, and enhance voice signals;
- It supports custom settings for positioning pickup, supports 33 pickup areas, 17 amplification area mode settings, and can support multiple cascading to adapt to different scenarios;
- Rich analog and digital (Dante, USB) audio interfaces, which can be used independently and connected to wireless microphones, etc., without the need for additional audio processors.

Technical Data

Algorithm

Supported Algorithms
AFC, ANS, AEC, AGC, ARR

Acoustic Feedback Gain
 $\geq 18\text{dB}$

Noise Reduction Amplitude
 $\geq 30\text{dB}$

Echo Cancellation Amplitude
 $\geq 90\text{dB}$

Echo Cancellation Length
 $\geq 1\text{s}$

Reverberation Suppression
 $\geq 18\text{dB}$

Maximum Gain
 $\geq 30\text{dB}$

AI Noise Reduction
Support

Automatic Mixing
Support

Beamforming
Support

Sound Source Localization
Support

Hardware

Sampling Rate
48K

Frequency Response
20Hz~20KHz, $\pm 0.5\text{dB}$

SNR
100dB

Distortion Degree
 $\leq 0.1\%$

Input Impedance (Balanced)
20K Ω

Output Impedance (Balanced)
200 Ω

Maximum Input Level (Balanced)
4dBu

Maximum Output Level (Balanced)
10dBu

Dante Audio
Support

Cascading Function
Support

485 Central Control Interface
Support

General

Input Power Supply
DC 12V-48V/POE

Power
25W

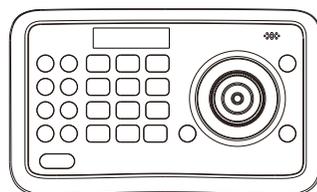
Operating Temperature
0°C ~ +40°C

Storage Temperature
-20°C ~ +60°C

Dimensions (L×W×H)
600mm×600mm×42.8mm

Mini Keyboard Controller

CKB-02V2



Controller

Control Interface

RS-485+RS-232/RS-485+Aux

Protocol

Pelco-D, Pelco-P, VISCA

Baud Rate

2400bps, 4800bps, 9600bps,
19200bps, 38400bps

Address

0~255

Joystick

4-axis

Display

OLED

Power

DC12V

Power Consumption

<2W

Working Temperature

0°C ~ +40°C

Storage Temperature

-20°C ~ +50°C

Relative Humidity

≤90% (non-condensation)

Dimensions (L×W×H)

200mm×120mm×103mm

Net Weight

0.5kg

Features

- 4D joystick for pan/tilt/zoom/focus control, ergonomic design and excellent finishing;
- High brightness OLED display;
- Auto backlight keys;
- Shortcut keys customization;
- Batch program cameras in the systems;
- Multi-level protection from illegal operation or setting;
- Multi-baud rate and protocols;
- 256 addresses;
- Compact design with portable features.

Typical Case



Lecturer Tracking Cameras MIT, U.S.A



Lecturer Tracking Cameras Brandeis University, U.S.A



Lecturer Tracking Cameras UNESCO RCEP, UAE



Lecturer Tracking Cameras Wageningen University, Netherlands



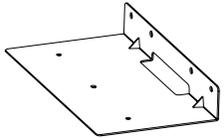
Lecturer Tracking Cameras KuanDong University, South Korea



HKSAR Church

Accessories

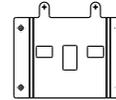
Available Bracket



Wall Bracket
G200-WB01



AMC-G200T



Ceiling Plate
E200-CB01



AMC-G312U3/G310U3
AMC-G320/G312



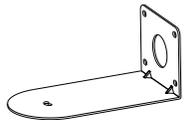
AMC-G403



AMC-(N)G330P
/(N)G320P



AMC-G421S/G431S



Wall Bracket
AMC-WB01



AMC-G200THV2
PVC-G530P/G520P
/G512P



AMC-G500(S)



AMC-G312U3/G310U3
AMC-G320/G312



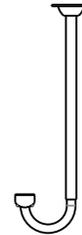
AMC-G403



AMC-G421S/G431S



LTC2-(N)A2001NV4
LTC2-A1202NV4



Ceiling Mount Bracket
LTC-CB01



LTC2-(N)A2001NV4
LTC2-A1202NV4



AMC-G200THV2
PVC-G530P/G520P
/G512P



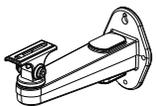
AMC-G500(S)



AMC-(N)G330P
/(N)G320P



AMC-G312U3/G310U3
AMC-G320/G312



Wall Bracket



ZC5-F20N