

# HAC-701

## HD AI Camera



### Product Features

- ▶ Full HD 1080p/60fps: utilizing a premium 1/2.8" CMOS sensor and next-gen AIoT edge AI chip, delivering stable visuals and capturing details in presentation slides, classroom whiteboards, displayed products, and more.
- ▶ 2D/3D digital noise reduction: even in low light and backlit conditions, it maintains vivid and distortion-free image performance.
- ▶ 20x optical zoom with 60.7° horizontal field of view: ideal in large venues for capturing panoramic views of critical scenes.
- ▶ Comprehensive video interfaces: equipped with HDMI 1.3, 3G-SDI, USB 3.0, and 1Gbps LAN ports, it seamlessly caters to various scenarios like live-streaming, lectures, remote teaching, eSports, and religious events.
- ▶ Advanced AI tracking: automatically identifies and follows speakers in real-time, ensuring perfect centering despite external interferences or obstructions.
- ▶ 225 preset points: easily capture presenters with pre-configured angles during meetings, allowing both local and remote participants to focus on the speaker.
- ▶ Intuitive WEB UI: remote control and monitoring via RS-232/485/Ethernet enable easy adjustment of tracking presets, streaming modes, image rotation/mirroring, and more.
- ▶ PoE power supply: control, power, video, and audio transmission via a single cable.

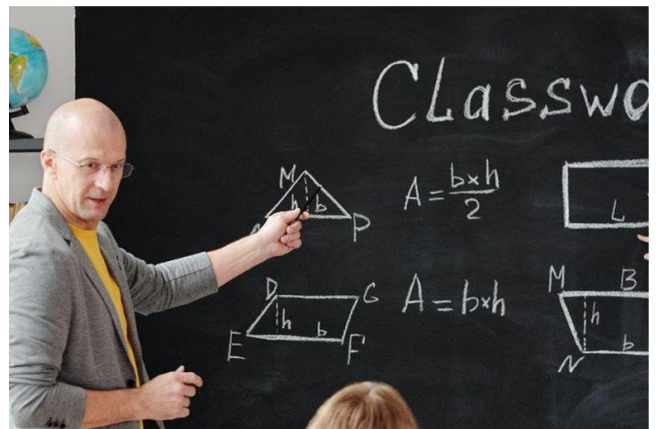
# Forget the Camera, Just be Yourself!



"AI recognition": precisely track and instantly follow the moving presenter, making him/she consistently positioned at the center of the frame despite external interferences.



The premium auto-focus captures showcasing objects or faces with clear and sharp quality.



Up to 20x optical zoom delivers clarity of detailed visuals such as teaching materials.



WEB UI Control



PoE Power Supply



Full HD 1080p

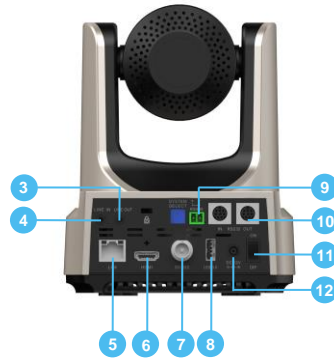


Ceiling Mount & Image Flip



170° High Pan Angles

## Front & Rear Panel



- 1) Standby indicator light
- 2) POWER
- 3) LINE OUT
- 4) LINE IN

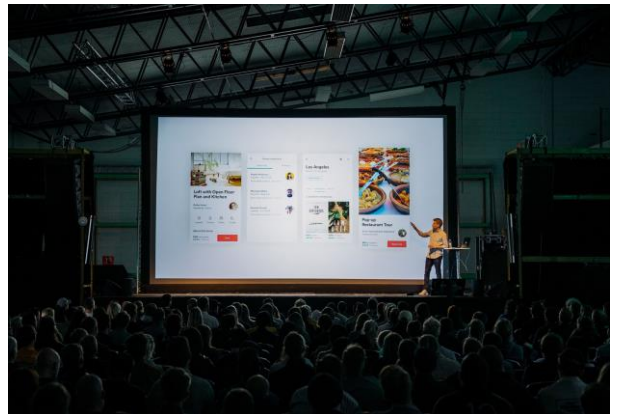
- 5) 1Gbps LAN
- 6) HDMI 1.3 OUT
- 7) 3G-SDI OUT
- 8) USB3.0 OUT

- 9) RS485
- 10) RS232 (OUT/IN)
- 11) Power Switch
- 12) DC 12V 2A Power

## Applications



Classrooms



Seminars



Conference Rooms



House of Worship



# Specifications

## Camera & Interfaces

Video System	1080p: 60/50/30/25 1080i: 60/50 720p: 60 /50
Image Sensor	1/2.8" CMOS; 207K effective pixels
Optical Zoom	20x, f4.42mm~88.5mm, F1.8~F2.8
Digital Zoom	16x
Min. Illumination	0.5Lux@(F1.8, AGC ON)
Shutter	1/30s~1/10000s
White Balance	Auto, indoor, outdoor, one-push, manual, specified color temperature
Backlight	YES
Digital Noise Reduction	2D&3D
Video S/N	≥55dB
Horizontal Angle	60.7°~3.36°
Vertical Angle	34.1° ~1.89°
Horizontal Rotation	±170°
Range	
Vertical Rotation Range	-30°~+90°
Pan Speed Range	1.7°~100°/s
Tilt Speed Range	1.7°~69.9°/s
H&V Flip	YES
Image Freeze	YES
Preset Points	255
Preset Accuracy	0.1°

## IPC Feature

Video Compression	H.264/H.265
Video Stream	2
Main Stream	1920x1080/1280x720/1024x5
Resolution	76/960x540/640x480/640x360
Sub Stream	1280x720/1024x576/720x480/
Resolution	720x408/640x360/320x240/ 320x180
Video Bit Rate	32Kbps~102400Kbps
Bit Rate Type	Variable/Fixed
Frame Rate	1fps~60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support Protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.

## Input/Output Interface

USB Interface	USB 3.0 x 1 (Type-A)
HD output	HDMI1.3 x 1/3G-SDI x 1
Network Interface	RJ45 x 10M/100M/1000M Ethernet, POE supported
Audio Interface	Line In (3.5mm) x 1/ Line Out (3.5mm) x 1
Control Interface	RS-232 x 2/RS-485 x 1

## USB Feature

Operate System	Windows 7/8/10, Mac OS X,
Color System	Linux (UVC required)
Video Format	YUY2/H.264/MJPEG YUY2: Max 1080P@60fps
Audio on USB	YES
Video Communication Protocol	UVC 1.1, UVC1.5
UVC PTZ control	YES

## Physical Property

Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Dimensions	169 x 141.5 x 176 mm
Net Weight	1.5KG
Input Voltage	DC 12V / PoE (802.3af)
Input Current	1.0A
Power Consumption	15W (max.)