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.

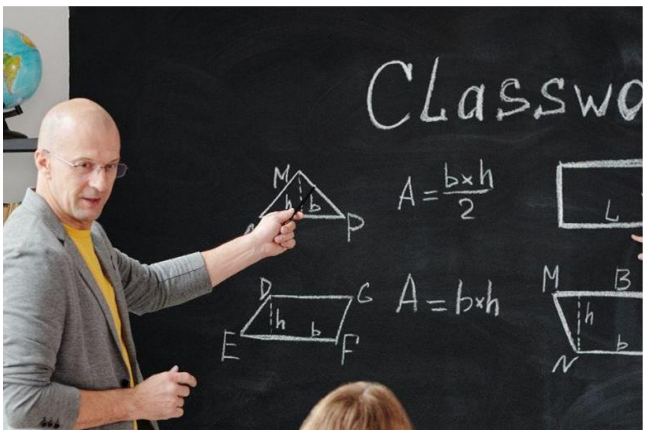
Forget the Camera, Just be Yourself!



"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



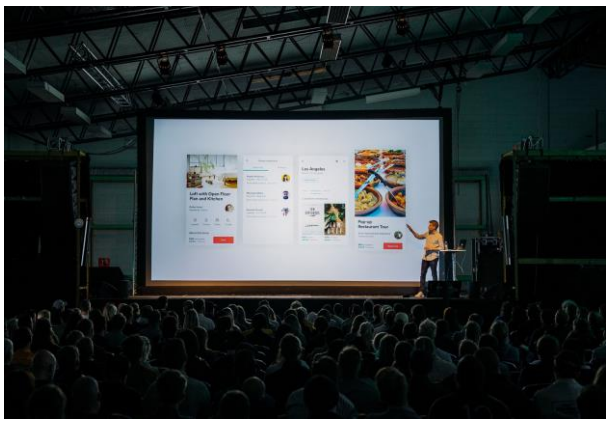


1) Standby indicator light
2) POWER
3) LINE OUT
4) LINE IN
5) 1Gbps LAN
6) HDMI 1.3 OUT
7) 3G-SDI OUT
8) USB3.0 OUT
9) RS485
10) RS232 (OUT/IN)
11) Power Switch
12) DC 12V 2A Power

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 Range	±170°
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 Resolution	1920x1080/1280x720/1024x576/960x540/640x480/640x360
Sub Stream Resolution	1280x720/1024x576/720x480/720x408/640x360/320x240/320x180
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.)

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