IQVideo

Lecture Capture System

LCS710 Pro

————Datasheet————

Video Station

Features

- Multifunctional and highly integrated design, using high-performance and low-power embedded processor, integrating POE one-line communication, audio and video collection, touch screen display, recording and broadcasting, live broadcast, remote interaction and other functions in one device.

- Display touch function; built-in 13.3-inch high-definition LCD touch screen with tempered anti-scratch glass material.

- The device has a built-in audio processing module, no need separated audio system, and the device can realize functions such as automatic sound mixing, noise suppression, and echo cancellation.

- The POE network interface conforms to the 802.3af/at specification. Only one network cable is needed to realize POE power supply, control and video transmission, no extra cables for convenient device installation.

- The device has Virtual Local Area Network technology capable to isolate peripheral devices such as cameras from the external network to release more network resources and reduce the spread of virus through network.

- The device has powerful codec capability, supporting 4K input, 4K output, and 4K recording.

- Support access to EPTZ camera, which can realize panoramic and close-up dual-screen shooting.

- The device supports centralized control and management. All operations including device status check can be achieved through the unified managment and control on the web-based platform to reduce the staff's workload.
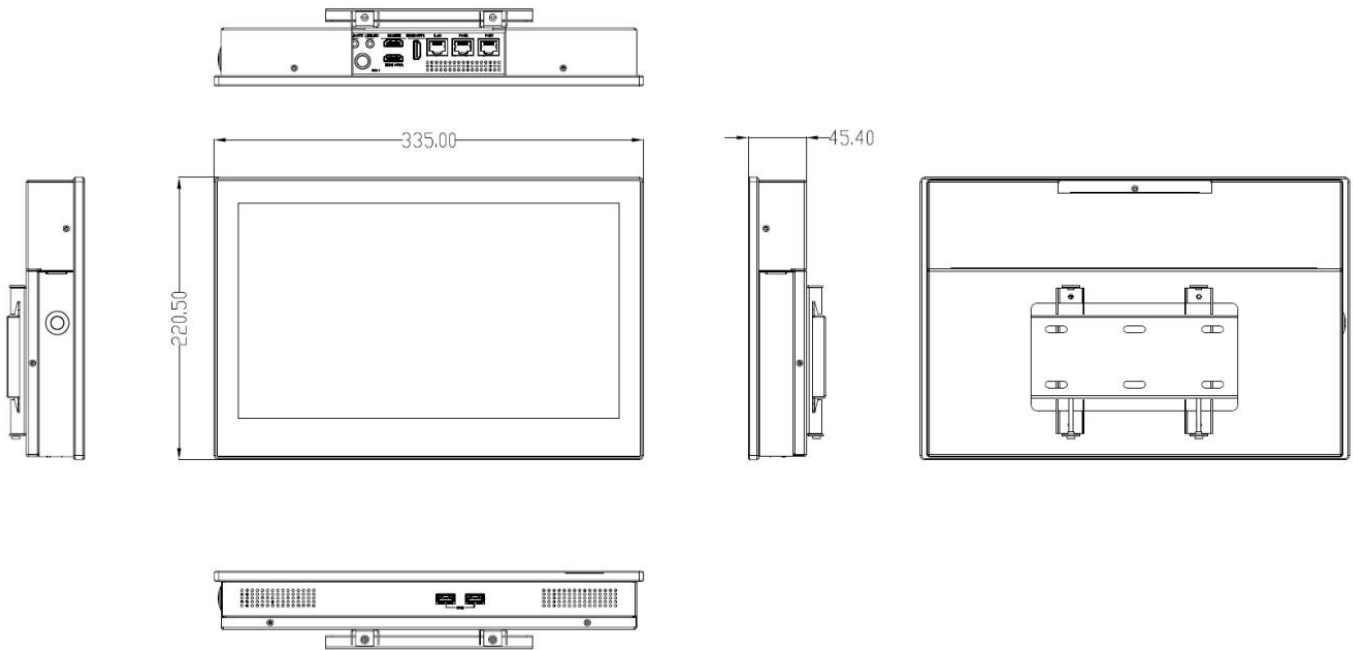
Video Station

Specifications

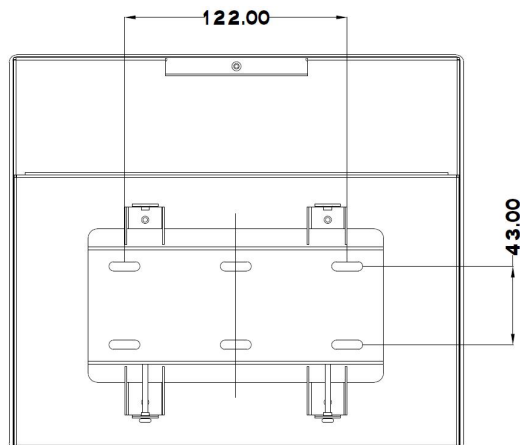|	
System structure	Embedded Linux system
Display screen	13.3 inches, 1920*1080 resolution, capacitive touch, tempered protective glass;
Video input	1 x HDMI, 5 x network video stream (optional 2 x SDI input interface)
Video output	2 x HDMI
Maximum input resolution	3840*2160
Audio input	1 x 3.5mm line-in interface, 1 x 3.5mm mic-in interface, 2 x MIC interface with 48V phantom power supply
Audio output	1 x 3.5mm line-out interface
Video encoding	H.264
Audio encoding	AAC
Video output format	MP4, TS
Video encoding frame rate	25～30fps
Video bit rate	256kbps~20480Kbps adjustable
Audio bit rate	32~192Kbps adjustable
Data storage	Built-in>=1T storage, support USB export, support FTP upload
Network	5 x RJ45 network ports, 3 of which support POE
Serial port	1 x RS232 serial port
USB interface	3 x USB ports, one of which is CONSOLE
Software upgrade	Support online upgrade and local upgrade
Power parameters	AC 220V

Video Station Dimension (unit: mm)

Video Station Dimension: 335mm*220.5mm*45.4mm

335.00

220.50

45.40

Mounting Hole Dimension: 122mm*43mm

122.00

43.00

4K PTZ Camera CV870 Pro

Features

- Dual-cam design, simultaneous 4K UHD outputs of tracking cam and full-view cam;

- Tracking cam: 12x optical zoom, max resolution 4KP60;

- Full-view cam: 4K lens, no distortion;

- Built-in advanced AI algorithm based on deep learning, to ensure stable tracking and precise posture recognition;

- Board writing recognition based on pose estimation, giving clear view of writing content;

- Rich tracking modes such as auto framing, zone tracking, lock-n-track, group tracking;

- Simultaneous outputs over HDMI, USB2.0, Ethernet, support POE;

- Built-in Web UI for easy setting and control.

4K PTZ Camera CV870 Pro

Specifications

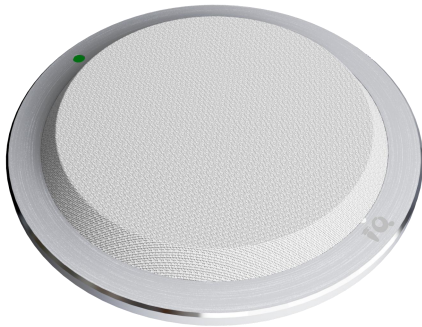| Model	CV870 Pro (Teacher)	CV870 Pro (Student)
Tracking Camera		
Image Sensor	1/2.8" 4K CMOS, 8.46MP	
Lens	12x optical zoom; 8X digital zoom; f=3.4mm~40.3mm; F1.8 (Wide)~3.6 (Tele)	
HFOV	81°~7.6°	
Image	Auto Focus/Auto Exposure/Auto White Balance	
AGC	Auto/Manual	
White Balance	Auto/Indoor/Outdoor/One Push/Manual/Static	
AE Control	Auto/Manual/Shutter Priority/Iris Priority/Brightness Priority	
Shutter Speed	1/50~1/10,000s	
SNR	≥50dB	
Full View Camera		
Image Sensor	1/2.8"4K CMOS, 8.46MP	
White Balance	Auto	
Exposure	Auto	
Lens	8mm	2.8mm
Field of View	Horizontal: 43°, Vertical: 28°	Horizontal: 94°, Vertical: 62°
PTZ		
Pan	-130°~+130°; 0.2° ~ 80°/s	
Tilt	-30°~+90°; 0.2° ~ 60°/s	
Preset Number	64	
Interface		
HDMI 2.0	4KP60/P50/P30/P25, 1080P60/P50/P30/P25, 720P60/P50	
Network	1 × RJ-45:10M/100M/1000M self-adaptation ethernet port, support POE; Video format: H.264/H.265 ; Close-up: 4KP30/P25, 1080P30/P25, 720P30/P25, 360P30/P25 , Single stream output 4KP60/P50/P30/P25 , 1080P60/P50/P30/P25 , 720P60/P50/P30/P25 Full view: 4KP30/P25, 1080P30/P25, 720P30/P25, 360P30/P25	
USB 2.0	UVC support UVC1.1 protocol UVC Video compression support H.264/MJPEG: 4KP30/P25, 1080P30/P25, 720P30/P25	

4K PTZ Camera CV870 Pro

3G-SDI (Optional)	1*3G-SDI；Video Resolution: 1080P60/P50/P30/P25，720P60/P50
HD-BaseT (Optional)	1*HD-BaseT；Video Resolution: 4KP60/P50/P30/P25，1080P60/P50/P30/P25，720P60/P50
Audio Interface	1 × LINE IN, 3.5mm
DIP Switch	Rotary DIP switch to define video format
Control Interface	1 ×RS232 IN, 1 ×RS232 OUT
General	
Power	DC12V; <18W
Control Protocol	VISCA
Operating Environment	Temperature: 0°C ~ +40°C; Relative Humidity: 10%RH ~ 90%RH
Storage Environment	Temperature: -20°C ~ +60°C; Relative Humidity: 10%RH ~ 95%RH
Dimensions (L×W×H)	245mm×145mm×165mm
Weight	1.8kg

Ceiling Microphone

Features

- **Superb Quality Sound:** The built-in 8 element microphone array detects audio from up to 8 meters away, ensuring every one involved to be heard loud and clearly.

- **Enhanced Voice Coverage:** Up to 4-unit cascading offers wider sound pick-up range up to 300m². It allows teachers or meeting participants to be heard clearly in different room sizes.

- **Plug and Play Connectivity:** Easy and flexible USB-C connectivity, simply connecting it to your laptop or desktop computer using one USB-C cable.

- **Smart Audio Processing:** Support intelligent noise reduction, echo cancellation, reverberation suppression and full-duplex communication, clearly remove reverberation in various environments.

- **Easy Deployment:** Simple connection to POE switch (Power-over-Ethernet) for power supply and data transmission, enabling you easy deployment with one cable without complex operations.

- **Elegant Design with Durability:** Stylish and durable aluminum-alloy design,making it readily adaptive to all surroundings with maximized durability.
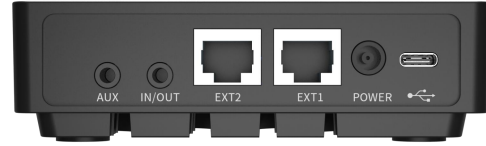
Ceiling Microphone

Specifications

Model	S610
Voice Technical Parameters	Automatic echo cancellation(AEC)
	Automatic gain control technology(AGC)
	Automatic Noise Suppression (ANC)
Microphone Array	Built-in 8 omnidirectional microphones
Cascade Connection	Up to 4 unit cascading
Pickup Range	8 meters
Sensitivity	-26 dBFS
Signal Noise Ratio	>95 dB(A)
Frequency Response	20Hz - 16kHz
Sampling Rate	32KHz, high resolution broadband audio
USB Protocol	Support UAC
Interface(s)	1x 12V DC , 2 x RJ45 Port, 1 x 3.5mm , 1x USB-C
Power Supply	Adapter DC12V1A, or POE
Humidity	20%-85%
Size (length*width*height)	156mmx 156mmx 35.6mm
Power Supply	Adapter DC12V1A, or POE
Humidity	20%-85%
Size (length*width*height)	156mmx 156mmx 35.6mm

*Specifications are subject to change without notice. *All dimensions±1cm.

Sound Mixer

Specifications

Model	S610M
Acoustic Echo Cancellation (AEC)	65dB or higher
Echo Cancellation Duration	≥500ms
Bidirectional Noise Compression (NC)	Noise compression reaches 18dB
Smart Microphone Auto-Directional Technology	EMI
Automatic Gain Control Technology	AGC
Reverberation Time	< 0.5 s
Noise Level	< -48 dBA
Power Supply	AC100~240V，50-60Hz，12W
Operating Temperature	0°C-50°C (Operating Status)
Humidity	20%-85%
3.5mm Audio Interface	2
USB Interface	1
Network Interface	2
Power Interface	1

Sound Mixer

Cascade Mode	POE Power Supply
Power Supply Method	Adapter DC12V/2A