IQVideo

Lecture Capture System

LCS810

----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 15.6-inch high-definition G+ G Structure PCAP Capacitivetouch 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 realizefunctions 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.

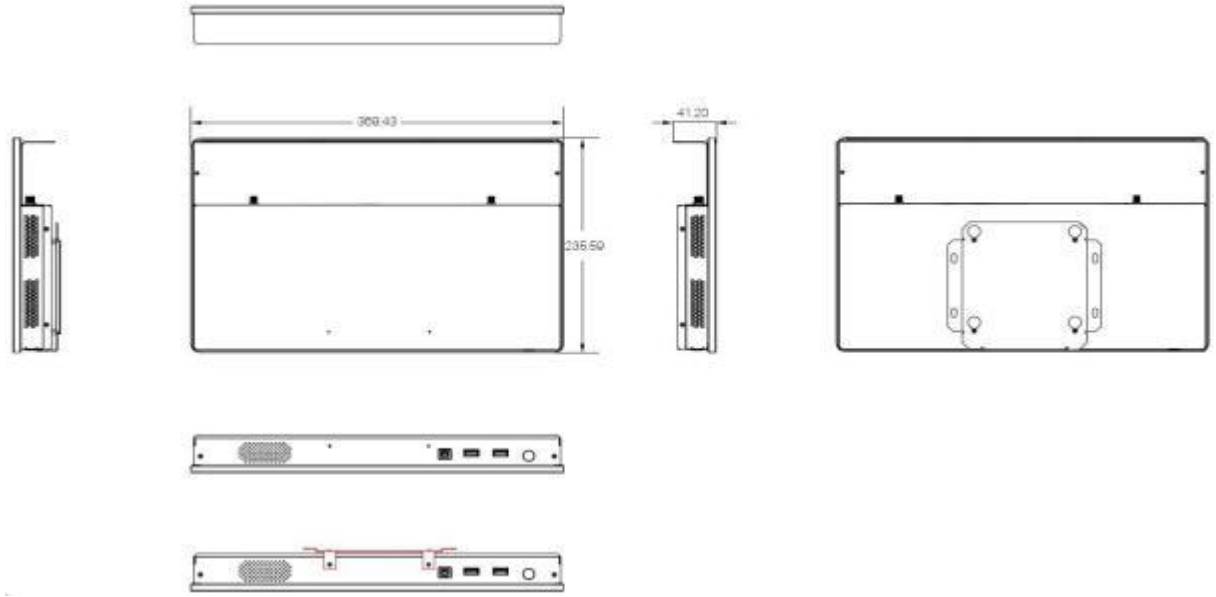
Video Station

Specifications

Model	LCS810
System structure	Embedded Linux system
Display screen	15.6-inches, 1920*1080 resolution, G+G Structure PCAP capacitive touch,anti-glare,anti-fingerprint,anti-scratch
Video input	3 x HDMI
Video output	3 x HDMI OUT
Maximum input resolution	3840*2160
Audio input	1 x 3.5mm jack LINE IN, 1 x Phoenix terminalLINE IN, 2 x Phoenix terminal 48V MIC, 2 x HDMI IN
Audio output	2 x 3.5mm jack LINE OUT, 2 x HDMI OUT
Video encoding	H.264,H.265
Audio encoding	AAC
Video output format	MP4, TS
Video encoding frame rate	25 ~ 60fps
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	1 x USB-B 2.0, 1 x USB-A 3.0, 2 x USB-A 2.0
Software upgrade	Support online upgrade and local upgrade
Power parameters	AC 220V

Video Station Dimension (unit: mm)

Video Station Dimension: 369.43mm*235.5mm*41.2mm



4K PTZ Camera CV870 Pro

Features

- Dual-cam design,simultaneous 4K UHD output soft racking cam and full-view cam.
- Tracking cam:12x optical zoom,max resolution 4KP60.
- Full-view cam:4Klens,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,supportPOE.
- Built-in Web UI for easy setting and control.

4K PTZ Camera CV870 Pro

Specifications

Model	CV870	CV870
Version	Pro(Teacher)	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	
Minimal lllumination	0.5Lux	
Video Bit Rate	16Mbps	
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	

4K PTZ Camera CV870 Pro

USB 2.0	UVC support UVC1.1 protocol UCV Video compression suppoot H.264/MJPEG: 4KP/P25,1080P30/P25,720P30/P25
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

4K ePTZ Camera CV210

Features

The camera adopts an industrial-grade ARM processor with high-performance and low-power feature. It is designed and developed based on a stable embedded Linux operating system. The hardware structure is made of aluminum alloy material, supporting secured wall-mount or ceiling mount installation. The camera has an inbuilt high-sensitivity omnidirectional microphone, which is small in size and can be easily installed and deployed. It incorporates UHD (Ultra High Definition) image collection and analysis, audio collection, audio and video low-latency encoding and transmission.

1. 4K UHD (Ultra High Definition)
- 840M image sensor with 4K UHD camera lens
- Dual stream output by default: resolution 1080p; frame rate 30fps

2. Smart Teaching Tracking
- Built-in image recognition and tracking algorithm enables smooth tracking
- Support teacher tracking mode and student tracking mode

3. UHD lens
- Undistorted lens
- Industrial grade lens with horizontal field of view of 40。/120。

4. EPTZ
- Support EPTZ (Electronic pan, tilt and zoom)

5. Support PoE
- Ethernet cable connection, PoE-based power supply, control, video transmission using single Ethernet cable

6. Integrated built-in high-performance omnidirectional microphone pickup

4K ePTZ Camera CV210

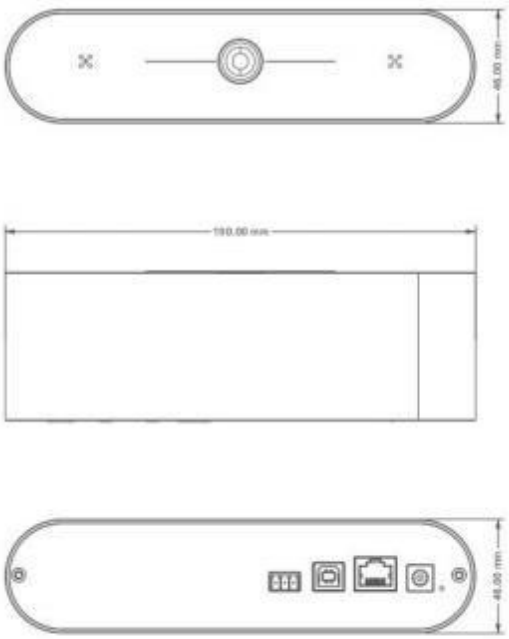
Specifications

Model	CV210
Camera	
Sensor	1/2.8'', Effective Pixel: 8.4MP
Scanning Mode	Progressive
Teacher's View	Focal length: f=8mm, H FOV 40。
Students' View	Focal length: f=2.2mm, H FOV 120。
Depth of Field	1-10 meters (for students); 5-12 meters (for teacher)
Shutter	1/25s ~ 1/10000s
White Balance	Auto
Digital Noise Reduction	3D Digital Noise Reduction
Backlight Compensation	Support
EPTZ	Support
Digital Zoom	4x
PoE Power Supply	Support
Auto-Tracking	Teacher Mode/ Student Mode
Audio	Built-in microphone with 6m voice pickup range
Network Features	
Video Compression	H.264
Video Stream	Main stream, sub stream
Panorama Stream Resolution	1920x1080p@25; 1280 x720p@25
Close-up Stream Resolution	1920x1080p@25; 1280 x720p@25

4K ePTZ Camera CV210

Video Bit Rate	512Kbps ~ 10000Kbps
Bit Rate Control	Fixed Bit Rate
Frame Rate	1 ~ 25fps
Support protocols	HTTP、UDP、TCP、RTSP、WEBSOCKET
Input/Output Interface	
Network Interface	1xRJ45: 10M/100M Ethernet Interface, Support PoE power supply
USB Interface	TYPE-B ; USB2.0
Audio Interface	Phoenix contact (differential analog signal)
General Specifications	
Input Voltage	DC 12V
Operating Temperature	0。C ~ 50。C
Storage Temperature	-10。C ~ +50。C
Power Consumption	<3.5W
Size	190.00mm(W) x 60.00mm(L) x46.00mm(H)

UHD Tracking Camera Dimension (unit: mm)



Ceiling Microphone S610

Features

- **Superb Quality Audio Capture:** The built-in 8 microphone array detects audio from up to 8 meters away, ensuring every one involved to be captured with clear audio in the final recording.

- **Enhanced Voice Coverage:** Up to 4-unit cascading offers wider sound pick-up range up to 300㎡, suitable for lecture capture 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.

Note:

This ceiling microphone is not suitable for local speech reinforcement. For project requirements regarding speech reinforcement, please consult our technical team for further advice.

Ceiling Microphone S610

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.

Ceiling Microphone S210

Specifications

Model	S210
Type	Condenser mic
Directivity	Cardioid polar
Sensitivity	-34dB±3dB(0dB=1V/Pa at 1KHz)
Frequency response	30Hz~18KHz
Output impedance	250Ω balanced output
Power supply	48V phantom power supply
Bracket	Aluminum alloy extendable rod bracket

Returnstar Interactive Technology Group CO., LTD.
6th Bldg. High-Tech Base. Fuzhou Fujian Prov. China
0086-591-38202660
0086-591-38203003
www.IQBoard.net
IQBoard@IQBoard.net

锐达科技

STOCK CODE 836453