VA210 - Video Conferencing System Kit

VA210 is a perfect conference solution that combines audio and video. It applies advanced ISP processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic color rendition. The audio adopts the international advanced new-generation high-definition voice processing technology with clear and smooth sound quality and strong environmental adaptability. It can provide participants with smooth and natural audiovisual effects whenever and wherever, and provide a comfortable and immersive experience for teleconferencing and other applications.

Key Features

- 1/2.9 inch high quality CMOS sensor. Resolution is up to 1920x1080.
- Multi-lens: 3x zoom lens and 10x zoom lens are available.
- Leading auto focus algorithm makes lens a fast, accurate and stable auto-focusing.
- Low Noise CMOS effectively ensure high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness.
- Adopting high accuracy step motor and motor driving controller to make extremely quiet and smooth rotation .
- Support MJPG/H.264/H.265 video compression.
- Support AEC(Acoustic Echo Cancellation, AGC(Automatic Gain Control),NC(Bidirectional noise compression), Automatic Direction finding Technology of Intelligent microphone(EMI), Zero damage compression in vocal full frequency domain.
- Built-in 4 single-point microphones, composed of 360-degree omni-directional audio-pickup, 6m sound-pickup diameter, external microphone is available, up to 10m sound-pickup diameter .

- USB plug-and-play, supports various online conference software platforms such as WeChat, Skype for Business, Zoom,Vidyo, etc.
- Support Windows, Andriod, IOS and Linux system.
- Support Bluetooth connection and hands-free conference calls on mobile phones.
- Speaker volume reaches 95dB, digital adjustment for 16 levels speaker volume.
- VA210-V/VA210-A is built-in infrared receivers and is available for every corner of the conferencing site.
- VA210-A is built-in Up/Down, Left/Right, Answer, Hang up, Bluetooth, Presets, and other keys
- Centralized connecting with the centralized controller VA210-H, the wiring is simpler and nicer.
- Easy to use, install and maintain.

Technical Specifications

Spec/Model NO.	VA210-V
Product Picture	
Sensor	1/2.9 inch high quality HD CMOS sensor
Effective Pixels	2.07M, 16：9
Video Format	1920×1080P@30 fps/25fps; 1280×720P@30fps/25fps; 1024×576P@30fps/25fps; 960×540P@30fps/25fps; 800×448P@30fps/25fps; 640×360P@30fps/25fps; 320×176P@30fps/25fps
Optical zoom lens	3X Optical zoom, f＝3.35～10.05mm / 10X Optical Zoom f＝4.34~41.66mm
View angle	30°（tele） 85°（wide） / 8.8°（Tele）68.8°（Wide）
Aperture value	F1.7 – F3.0 / F1.85 – F2.43
Digital Zoom	10X
Minimum Illumination	0.5Lux(F1.8, AGC ON)
DNR	2D & 3D DNR
White Balance	Auto / Manual/ One Push/ 3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K
Focus	Auto/Manual/One Push
Aperture/Electronic Shutter	Auto/Manual
BLC	ON/OFF
WDR	OFF/ Dynamic level adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	>55dB
Rotation angle	Pan: -170°～+170°, Tilt:-30°～+90°

Control speed	Pan: 0.1 ～60°/sec, Tilt:0.1～30°/sec
Preset speed	Pan: 60°/sec, Tilt: 30°/sec
Dimensions	156.8mm×112.6mm×139.1mm (L×W×H)

Spec/Model NO.	VA210-A
Product Picture	
Voice technical parameters	Acoustic Echo cancellation（AEC）：>65dB Echo length cancellation：≥400ms Bidirectional noise compression（NC）：<25dB Automatic Direction finding Technology of Intelligent microphone（EMI） Automatic gain control（AGC）
Audio Parameters	Microphone frequency response：100Hz-22KHz Speaker frequency response：100Hz-22KHz Speaker volume: 95dB at the most Microphone sound-pickup diameter: 6 meters, 360 degrees full range
Bluetooth	Bluetooth devices available
IR Reception	Angle: 360° Distance: 10m IR Transparent transmission available
Dimensions	200mm×200mm×55.9mm(L×W×H)
Spec/Model NO.	VA210-H
Product Picture	
Interface	Mini DIN6 ×2 Power interface×1 Power switch×1 Mini USB interface×1
Power supply	EC3800 plug(DC12V) Adapter input AC110V-AC220V,output DC12V/1.5A
Data line	Mini DIN6 data line ×2 Length: 5m（10m/15m for options）
USB cable	USB2.0 cable (3m)

Compatibility	Support Windows, Andriod, iOS and Linux Drive-free automatic recognition of cameras, microphones and speakers Compatible with Zoom, Lynch, Vidyo, etc.
Dimensions	120mm×74mm×34.5mm(L×W×H)
Accessories	Power adapter, USB2.0 cable, remote controller, two connection cables, user manual