

# SOUNDVISION™

## VC SERIES

VIDEO CONFERENCE CAMERA

### SOUND VISION CO., LTD.

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SUPPORT OS :



## VC-One

### 1080P Wide Field USB Camera



- 1080P full HD, wide angle, no distortion  
Support 1080P high definition, maximum can provide 1080@30fps/25fps image encoding output, and backward compatible with 720p and other resolutions. Wide field of view, the maximum horizontal field of view can reach 90°. Two lenses are available, 90°/90° (with AF).

- Electronic PTZ  
There is no need for mechanical rotating devices to achieve a more accurate rotation, no noise, more reliable and durable pan-tilt function, while supporting 4X digital zoom function.

- Audio  
The built-in microphone array can pick up omnidirectionally, and the pickup distance is up to 6 meters. The unique noise suppression and AGC algorithm make your voice perfect.

- USB 2.0  
Full-featured USB 2.0 interface, power supply, video and audio in one.

- Built-in physical privacy shield  
Equipped with an integrated sliding privacy cover to ensure privacy.
- Dual stream (optional)  
Simultaneously support two streams of output (YUY2, MJPEG, H.264, any two) to reduce the pressure of host encoding and decoding. (The second channel only supports H.264)
- Low illumination  
The new CMOS image sensor with starlight level **ultra-high performance-to-noise ratio can effectively** reduce image noise under low illumination conditions, while applying 2D and 3D noise reduction algorithms to greatly reduce image noise, even under ultra-low illumination conditions, still maintaining the picture. It is clean and clear, and the image signal-to-noise ratio is up to 55dB or more.
- Easy to install  
Standard configuration with damped rotating shaft bracket, adapt to almost 100% of the displays on the market, easy to install, stable and reliable.

Camera	
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=2.8mm, HFOV: 90°
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Manual, VAR
Camera bracket	bracket with damper
Privacy masking	Support
Digital Noise Reduction	2D&3D digital noise reduction
Backlight Compensation	Support
Digital zoom	4X



USB Feature	
Operate System	Windows® 7 (1080p and under only), Windows 8.1, Windows 10 or higher; macOS™ 10.10 or higher; Google™ Chromebook™ Version 29.0.1547.70 or higher; Linux
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB RAM or more USB 2.0 port
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	1080p@30fps/25fps, 720p@30fps/25fps, 960x540p@30fps/25fps, 640x360p@30fps/25fps
USB Video Communication	UVC 1.1
UAC	Support
UVC ePTZ	Support (ePTZ)

Input/Output Interface	
USB Interface	1xUSB 2.0: Type A

Generic Specification	
Input Voltage	5V (USB power supply)
Current Input	200mA
Operating Temperature	-10°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	1W
Size	103mm*27mm*30mm
Net Weight	153g
MTBF	30000h



## VC-4K mini

4K Ultra HD USB Auto Framing,  
Auto Tracking, ePTZ digital zoom.



- Ultra-high definition and ultra-large field of view**  
 Equipped with a new generation of UHD CMOS image sensor, it has more accurate native resolution, richer color information, four times the effect of HD image, and shoots 4K video with full details. With a 110-degree ultra-large Angle and low distortion 4K lens, the panoramic view is unobtrusive
- USB 3.0**  
 Full-function USB 3.0 interface, power supply, video, audio in one, can also support 2 USB video signal source (optional)+1 channel audio source at the same time.
- The wave speed forms a microphone array**  
 Built-in beamforming microphone array, unique noise suppression algorithm and automatic gain algorithm, pick up distance up to 6 meters, make your speech perfect presentation.
- Ai ability**  
 Multi-Layer convolutional neural network design, cutting-edge deep learning algorithms, enabling intelligent features of the camera, high quality analysis data can be accessed through open APIs
- Auto Framing**  
 The advanced deep learning algorithm is adopted to automatically adjust the size of the picture Angle according to the people in the detection field of vision, eliminating the need for manual adjustment of camera operation, bringing you a new intelligent experience
- Ai humanoid tracking**  
 Embedded NNE hardware unit, using deep learning technology, through the extraction of target features, no matter where the face is facing, can achieve smooth humanoid tracking, suitable for automatic speaker tracking and other application scenarios.
- Convenient operation**  
 With exquisite infrared remote control and exclusive software, automatic box selection and humanoid tracking can be started with one button, and preset position, EPTZ, image parameters can be set at the same time.

	Camera
Sensor	1/2.7", CMOS, Effective Pixel: 8.29M
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=2.2mm, FOV: 110°
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Camera bracket	bracket with damper
Privacy masking	Support
Digital Noise Reduction	2D&3D digital noise reduction
Backlight Compensation	Support
Digital zoom	4X

	USB Feature
Operate System	Windows® 7 (1080p and under only), Windows 8.1, Windows 10 or higher; macOS™ 10.10 or higher; Google™ Chromebook™ Version 29.0.1547.70 or higher; Linux (support UVC)
Hardware Requirements	2.4 GHz Intel® Core 2 Duo processor or higher 2 GB RAM or more USB 2.0 port (4K requires USB 3.0)
Color System / Compression	H.264 / MJPEG /YUY2 /NV12
Video Format	4k@30fps/25fps, 1080p@30fps/25fps, 720p@30fps/25fps, 960x540p@30fps/25fps, 640x360p@30fps/25fps etc
USB Video Communication	UVC 1.1
UAC	Support
UVC ePTZ	Support (ePTZ )



	Input/Output Interface
USB Interface	1xUSB 3.0: Type C
IR remote	Support

	Generic Specification
Input Voltage	5V (USB power supply)
Current Input	600mA(MAX)
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3.0W(MAX)
Size	118mm*37.2mm * 30.8mm
Net Weight	93g
MTBF	30000h



## VC-4K Pro (84°)

4K Ultra HD Auto Focus Lens, Auto Framing, Auto Tracking, ePTZ digital zoom.



- **Ultra 4K HD**  
Support 4K Ultra HD with super resolution up to 4K@30fps/25fps encoding output, and down compatible with 1080p,720p, supporting 8X digital zoom function

- **USB 3.0**  
Full functional USB, 3.0 connection, power supply, video and audio all in one and support 2 streaming USB video signal and one audio source.

- **Light Illumination**  
Star-level ultra-high noise ratio of the new CMOS image sensor can effectively reduce the low noise in the case of image noise, while the application of 2D and 3D noise reduction algorithm, significantly reducing the image noise, even under low light conditions, still keep the picture Clean and clear, the image signal to noise ratio up to 55dB or more.

- **Ai Feature**  
Auto framing, Auto tracking, Auto focus.

- **Wide View Angle Lens**  
Auto focus non-distortion lens, wide view angle 84° supporting EPTZ.

- **WDR**  
Support WDR, can handle different lighting environment.

- **Built in Microphone**  
Built in microphone array, omnidirectional pickup, pickup distance up to 12 meters, noise suppressing algorithm with excellent sound.

- **Easy Installation**  
Equipped with damping rotary shaft bracket, to meet the market almost 100% of the display, easy to install, stable and reliable.

Camera	
Sensor	1/2.5", CMOS, Effective Pixel: 8.51M
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=3.5mm, FOV: 84°
Autofocus	Support (84°)
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Camera bracket	Bracket with damper
Digital Noise Reduction	2D,3D digital noise reduction
Backlight Compensation	Support



General specification	
Input Voltage	5V (USB power supply)
Current Consumption	600mA
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3W
Size	194mm x 34mm x 42mm
Net Weight	0.5kg



USB Feature	
Operate System	Windows® 7 (1080P and under only), Windows 8.1, Windows 10 or higher macOS™ 10.10 or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux
Hardware Requirement	2.4 GHz Intel® Core 2 Duo processor or higher; 2 GB RAM or higher USB 2.0 interface
Color space/ compression	H.265 / H.264 / MJPEG
Video resolution	4k@30fps/25fps, 1080p@60fps/50fps/30fps/25fps, 720p@60fps/50fps/30fps/25fps, 960x540p@40fps/50fps/30fps/25fps, 640x360p@60fps/50fps/30fps/25fps
USB Video Communication Protocol	UVC 1.0 ~ UVC 1.5
UVC PTZ	Support(EPTZ)



Input/Output Interface	
USB Interface	1xUSB 3.0: Type B, female

## VC-4K Pro (120°)

4K Ultra HD

Ai Smart Auto Framing ePTZ digital zoom.



- **Ultra 4K HD**  
Support 4K Ultra HD with super resolution up to 4K@30fps/25fps encoding output, and down compatible with 1080p,720p, supporting 8X digital zoom function

- **USB 3.0**  
Full functional USB, 3.0 connection, power supply, video and audio all in one and support 2 streaming USB video signal and one audio source.

- **Light Illumination**  
Star-level ultra-high noise ratio of the new CMOS image sensor can effectively reduce the low noise in the case of image noise, while the application of 2D and 3D noise reduction algorithm, significantly reducing the image noise, even under low light conditions, still keep the picture clean and clear, the image signal to noise ratio up to 55dB or more.

- **Ai Feature**  
Ai Smart Auto Framing

- **Ultra Wide Angle Lens**  
Non-distortion lens, Ultra wide view angle up to 120°, small lens with big view, supporting EPTZ.

- **WDR**  
Support WDR, can handle different lighting environment.

- **Built-in Microphone**  
Built-in microphone array, omnidirectional pickup, pickup distance up to 12 meters, noise suppressing algorithm with excellent sound.

- **Easy Installation**  
Equipped with damping rotary shaft bracket, to meet the market almost 100% of the display, easy to install, stable and reliable.

Camera	
Sensor	1/2.5", CMOS, Effective Pixel: 8.51M
Scanning Mode	Progressive
Lens Mount	M12
Lens	Focus: f=2.8mm, FOV: 120°
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Camera bracket	Bracket with damper
Digital Noise Reduction	2D, 3D digital noise reduction
Backlight Compensation	Support



General specification	
Input Voltage	5V (USB power supply)
Current Consumption	600mA
Operating Temperature	-10°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	3W
Size	194mm x 34mm x 42mm
Net Weight	0.5kg



USB Feature	
Operate System	Windows® 7 (1080P and under only), Windows 8.1, Windows 10 or higher macOS™ 10.10 or higher Google™ Chromebook™ Version 29.0.1547.70 or higher Linux
Hardware Requirement	2.4 GHz Intel® Core 2 Duo processor or higher; 2 GB RAM or higher USB 2.0 interface
Color space/ compression	H.265 / H.264 / MJPEG
Video resolution	4k@30fps/25fps, 1080p@60fps/50fps/30fps/25fps, 720p@60fps/50fps/30fps/25fps, 960x540p@40fps/50fps/30fps/25fps, 640x360p@60fps/50fps/30fps/25fps
USB Video Communication Protocol	UVC 1.0 ~ UVC 1.5
UVC PTZ	Support(EPTZ)



Input/Output Interface	
USB Interface	1xUSB 3.0: Type B, female



## VC-100HU

HD Video Conference PTZ Camera

Optical Zoom 10X / Digital Zoom 16X



- **1080P Full HD**  
High quality HD CMOS sensor with 2.07 million effective pixels can achieve high quality image with maximum 1920x1080 resolution.
- **Full-Function USB interface**  
USB2.0 interface, support coding output.
- **Low-light**  
High SNR of CMOS sensor combined with 2D and 3D noise reduction algorithm, effectively reduce the noise, even under low illumination conditions, picture can still keep clean and clear.

- **H.264 Slice**  
The output h.264 bit stream supports Slice and SVC encoding mode and is suitable for high-end USB conference video applications.
- **Remote Control**  
Using RS232/485 interface, all the parameters of the camera can be remote controlled by the high-speed communications.
- **Double stream**  
Support two streams output at the same time (YUY2, MJPEG, H.264), to reduce the host codec pressure.

### Camera

Video System	1080P, 720P, 540P, 480P, 360P, 240P etc. according to different resolution for different color space/compression modes.
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	10x, f4.7mm ~ 46.3mm, F1.8 ~ F2.8
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K -1, 6500K -2, 6500K -3, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥ 55dB
Horizontal Angle of View	58.5° ~ 6.5°
Vertical Angle of View	35.1° ~ 3.6°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	2.7° ~ 47°/s
Tilt Speed Range	3.4° ~ 30°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°

### USB Featured

Operate System	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / MJPEG / H.264
Video Format	H.264 AVC: max to 1080P@30fps MJPEG: max to 1080P@30fps
USB Video Communication Protocol	UVC 1.1
UVC PTZ	Support

### Input/Output Interface

USB Interface	1xUSB2.0: Type B female jack
Communication Interface	1xRS232 In : 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V)/USB B type (DC IN 5V)

### Generic Specification

Input Voltage	DC 12V
Current Consumption	0.5A ( Max)
Operating Temperature	-10 ~ 40°C
Storage Temperature	-40 ~ 60°C
Power Consumption	6W ( Max)
MTBF	>30000h
Size	141.3mm x153mm x 163.6mm
Net Weight	1.153Kg

