

# VC SERIES

VIDEO CONFERENCE CAMERA

# SOUND VISION CO., LTD.

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# VC-One

### 1080P Wide Field USB Camera



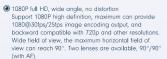












#### Electronic PTZ

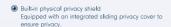
There is no need for mechanical rotating devices to achieve a more accurate rotation, no noise, more reliable and durable pan-tilt function, while supporting 4X digital zoom function.

#### 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



#### 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

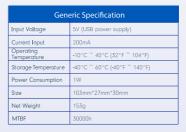
Standard configuration with damped rotating shaft bracket, adapt to almost 100% of the displays on the market, easy to install, stable and reliable,

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	1080 p@80fps/25fps , 720p@80fps/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







## VC-4K mini

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





USB 3.0

same time.

presentation.







Ultra-high definition and ultra-large field of view Equipped with a new generation of UHD CMOS

richer color information, four times the effect of

HD image, and shoots 4K video with full details.

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

(a) 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

With a 110-degree ultra-large Angle and low distortion 4K lens, the panoramic view is unobtrusive

image sensor, it has more accurate native resolution,











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 Anale 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

e Pixel: 8.29M	
: 110°	
ON)	
One Push, Manual	
eduction	



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

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



1xUSB 3.0: Type C

USB Interface

IR remote





# **VC-4K Pro (84°)**

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





























Full functional USB, 3.0 connection, power supply, video and audio all in one and support 2 streaming USB video signal and one auido 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 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 excelent sound.
- Easy Installation Equiped 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 IIIumination	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

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 IIIumination	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



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@dfps/50fps/30fps/ 25fps, 960x540p@dfps/50fps/30fps/25fps, 640x360p@60fps/50fps/30fps/25fps

USB Video

UVC PTZ

Communication Protoco

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





Input/Output Interface	
USB Interface	1xUSB 3.0: Type B, famale
HDMI Interface	1xHDMI: Version 1.4
Audio Interface	1x 3.5mm Audio Jack: Line In



# **VC-4K Pro (120°)**

4K Ultra HD

Ai Smart Auto Framing ePTZ digital zoom.



















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

Full functional USB, 3.0 connection, power supply, video and audio all in one and support 2 streaming USB video signal and one auido 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

environmemt.

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

Equiped 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 IIIumination	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

	Camera
ensor	1/2.5", CMOS, Effective Pixel: 8.51M
canning Mode	Progressive
ens Mount	M12
ens	Focus: f=2.8mm, FOV: 120°
finimal IIIumination	0.05 Lux @ (F1.8, AGC ON)
hutter	1/30s ~ 1/10000s
Vhite Balance	Auto, Indoor, Outdoor, One Push ,Manual
amera bracket	Bracket with damper
igital Noise eduction	2D,3D digital noise reduction
acklight Compensation	Support



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@60fps/50fps/30fps/25fps, 640x360p@60fps/50fps/30fps/25fps
USB Video Communication Protocol	UVC 1.0 ~ UVC 1.5
UVC PTZ	Support(EPTZ)

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	





Input/Output Interface		
JSB Interface	1xUSB 3.0: Type B, famale	
HDMI Interface	1xHDMI: Version 1.4	
Audio Interface	1x 3.5mm Audio Jack: Line In	



# **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.



(3)	H.26	4 Slice	•				
	The	output	h.264	bit	stream	support	s Slice

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°

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

	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)

