VC-20RU

PTZ Camera with AI Technology





Description

With the built-in advanced AI capability and algorithm, the camera can support a precise body tracking, with the built-in dual Mics or the extension Mic, provide a budget-friendly solution for live streaming, conferencing andeducation.

Features

- **1080P:** Use a high -quality 1/2.8 inches FHD CMOS sensor with 2.07 million pixels. Support max 1080P60fps image output and multiple lower resolutionslike 720p.
- **Optical Zoom + Wide -angle Lens:** 1080P optical lens, support max 20× optical zoom and 60.7° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.
- **New Generation of ISP Image Processing Algorithm:** The new generation of ISP image processing algorithm provides more complete white balance and automatic exposure functions, It is which significantly improves the image output performance of the camera, and the imaging effect is also better. Widely used in education recording and broadcasting, distance education, video conferencing, live broadcasting, broadcasting and other industries.
- **Leading Auto Focus Technology:** Using advanced focusing algorithm, the lens can focus quickly, accurately and stably.
- **Full Interface Low Delay Technology:** All video output interfaces reach low latency indicators, and at the same time support 4 ports and 1080p60.
- **Upgraded AI Technology:** Adopting upgraded version of AI technology, pedestrian re -recognition technology, can accurately determine the location of each person based on information such as pedestrian wearing, body shape, hairstyle, and face recognition, realize automatic identification of target human form and tracking, and automatic frame selection.
- **Support FULL NDI²:** It supports Full NDI protocol, can output nearly lossless NDI encoded video through the network, and is Backward compatibility with NDI ®| The HX2 protocol requires lower network bandwidth and can transmit H.265/H.264 encoded videos with high image quality with low latency.

Specifications

Lens Spec	
Lens	20x, f4.42mm – 88.5mm, F1.8 – F2.8
Horizontal FOV	60.7° – 3.36°
Vertical FOV	34.1° – 1.89°
HD Output	1 x HDMI: Version 1.3; 1 x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M standard
Protocols	FULL NDI, NDI|HX2, TCP/IP, HTTP, RTSP, RTMP, RTMPS, Onvif, DHCP, Multicast, SRT, GB/T 28281 etc.

Specifications

Camera Spec	
Signal System	HDMI, 3G-SDI: 1080P60, 1080P59.94, 1080P50, 1080I60, 1080I59.94, 1080I50, 1080P30, 1080P29.97, 1080P25, 720P60, 720P59.94, 720P50
Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels
Scanning Mode	Progressive
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s – 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
SNR	≥ 55dB
Pan Angle	±170°
Tilt Angle	-30° ~ +90°
Pan Speed	1.7° – 100°/s
Tilt Speed	1.7° – 69.9°/s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

Specifications

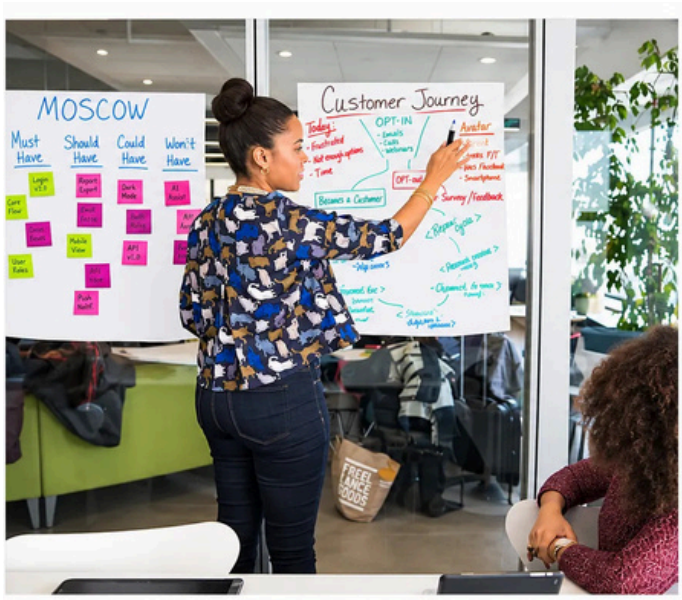
Network Spec	
Video Compression	H.264
Video Stream	First Stream, Second Stream
First Stream Resolution	1920×1080, 1280×720, 1024×576 etc.
Second Stream Resolution	1280×720, 1024×576, 720×576 etc.
Video Bit Rate	32kbps~20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
USB Spec	
Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG
Video Format	Support a variety of different frame rates and resolution video formats, up to 1080p60 YUY2 output
USB Audio	32K Sampling Rate, Support UAC2.0
USB Video Communication Protocol	UVC 1.1–1.5
UVC PTZ Control	Support

Specifications

Audio	
Microphone Array	Built-in dual microphones, 100Hz to 16KHz frequency response.
Analog Audio Input/Output	Support 3.5mm Line-In; Support 3.5mm Line-Out
Digital Audio Output	Support HDMI, USB, LAN, 3G-SDI etc
I/O	
Audio Interface	1 x Line In, 3.5mm Jack 1 x Line Out, 3.5mm Jack
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P; 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	JEITA type (DC IN 12V)

Specifications

Generic Spec	
Input Voltage	DC 12V / PoE+ (802.3at)
Input Current	1.5 A (Max.)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Consumption	15W (Max.)
Dimension	169mm x 142mm x 175mm
Net Weight	1.5kg





60.7° Wide-angle Lens + 20× Optical Zoom

1080P optical lens, support max 20× optical zoom and 60.7 ° horizontal field of view, cover the demand of extra-large conferencing room.



High-quality 1080P Image

1080P optical lens, support max 20× optical zoom and 60.7 ° horizontal field of view, cover the demand of extra-large conferencing room.



Image Processing Algorithm

Provides more complete white balance and automatic exposure functions, switch significantly improves the image output performance of the camera.



Full Interface Low Delay Technology

All video output interfaces reach low latency indicators, and at the same time support 4 ports and 1080p60.



Leading Auto Focus Technology

Using advanced focusing algorithm, the lens can focus quickly, accurately and stably.

Ports & Components

