



4K Professional PTZ Camera

VG701

- 4KUHD
- 12x Optical Zoom
- DLED Display
- Remote Control
- Multiple Interface

Equipped with high quality 4K CMOS sensor and -12X, 71 ° HFoV lens, multiple interfaces and OLED display window. Best choice for live streaming, live teaching/learning, temple and mini Auditorium.



(Features)

4K UHD
Use a high-quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels.

Low Illumination
The new generation high performance CMOS image sensor can

significantly reduce the image noise in low illumination. With the 3D noise reduction algorithms, even in an ultra-low illumination environment, camera can still deliver a sharp and clean image with more than 55dB S/N ratio.

Support max 4K30fps image output and multiple lower resolutions like 1080p/720p.

(Product Specification)

Signal System	3G-SDI: 1080P60, 7080P50, 1080160, 1080P59.94 1080159.94, 1080150, 1080P30, 1080P29.97 etc.
HD Output	1 x HDMI: Version 1.4b; 1 x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M standard
Multi-functional Interface	
USB interface	1 x USB2.0: Type-B (Optional upgrade to USB3.0)

Camera Spec

Signal System	HDMI: 4KP30, 4KP29.97, 4KP25, 1080P60, 1080P50, 1080160, 1080150, 1080P30, 7080P25, 7080P29.97 etc
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51Megapixels
Scanning Mode	Progressive
Lens	12x, f=4.4mm-52.8mm, F1.8-F2.6
Digital Zoom	16x
Minimum Illumination	0.5Lux@ (F1.8, AGC DN)
Shutter	1/30s - 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	30 Digital Noise Reduction
SNR	> 55dB
Horizontal FOV	71° - 8.2°
Vertical FOV	42.7° - 4.5°
Pan Angle	±170°
Tilt Angle	-30° - +30°
Pan Speed	1.7°-76°/s
Tilt Speed	0.5° -15°/s
Image Flip	Support
Image Freeze	Support
PoE	Support
Preset Position	255
Preset Accuracy	0.1°

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Network Interface	1 x RJ45: 10M/100M/1000M adaptive Ethernet. Support PoE
Audio Interface	1 x Line In/Mic In, 3.5mm Jack
Control Interface	1 x RS485: 2pin phoenix port. Max Distance-1200m, Protocol: VISCA / Pelco-0 / Pelco-P; 1 x RS232 IN: Spin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-0 / Pelco-P; 1 x RS232 OUT: Spin Mini DIN, Max Distance-30m, Protocol: VISCA only
RESTORE Button	Support
Power Interface	JEITA type (DC IN 12V)

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	YUY2: Max.1080P30 (USB3.0) YUY2: Max.1080P5 (USB2.0) H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max.2160P30
USB Audio	Support
UVC PTZ Control	Support

Network Spec

Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 7920x1080, 7280x720 etc.
Second Stream Resolution	720x480, 320x240 etc.
Video Bit Rate	First Stream: 32kbps-51200kbps Second Stream: 32kbps-20480kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps-50fps, 60Hz: 1fps-60fps
Audio Compression	AAC, G711A
Audio Bit Rate	96Kbps, 128Kbps
Protocols	NDI@HX2, SRT, TCP/IP, HTTP, RTSP, RTMP (sl, Onvif, DHCP, GB/T 28181, Multicast, etc.



12xOptical Zoom + 71° Wide -angle Lens

4K optical lens, support max 12x optical zoom(24x lossless in 1080P) and 71° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

OLEO Display

HDMI and SDI (SDI cannot display 4K) output resolution, IP address and other information

Multiple Interfaces

HDMI, 4b, 3G-SDI(Up to 150meters transmission with 1080P30), LAN. Support HDMI/3G-SDI. LAN streaming simultaneously.

Remote Control

Support multiple ways of control, like RS232, RS485, Network and USB.

(Interface diagram)

Generic Spec

Input Voltage	DC 12V / PoE(802.3 afi)
Input Current	1.0A (Max.)
Operating Temperature	-0° C - 40° C
Storage Temperature	-40° C - 60° C
Power Consumption	12W (Max.)
Dimension	238mm x 166.35mm x 131.8mm
Net Weight	1.35kg

