4K Ultra HD Series   (4K@30fps)

Q-BRITE   **imaginArt**

| 4K UHD | NDI Support | Low Power Consumption Sleep Mode | Remote Control | Multiple Interfaces |

4K Professional NDI PTZ Camera
ALVX61

Designed for medium to large meeting rooms, these cameras feature a larger UHD CMOS sensor, delivering 4K (3840×2160) images. Equipped with 12-20X optical zoom and intelligent exposure technology, they achieve precise recognition and tracking shots of targets from any position in the venue.

Features

▼ 4K UHD
Utilizes a UHD CMOS sensor with a size of 1/2.5 inches and 8.51 million pixels. ALVX61 deliver 4K (3840×2160) images and are backward compatible with various resolutions, including 1080P and 720P.

▼ Long Optical Zoom + UHD Wide-Angle Lens
Utilizes a high-quality ultra-high-resolution 4K ultra HD telephoto lens, supporting a maximum 12X optical zoom, and a 71° horizontal FoV.

▼ Low Power Consumption Sleep Mode
The camera automatically enters sleep mode when power consumption is below 400mW, ensuring device safety and allowing for easy wake-up when needed.

▼ Remote Control
Multiple control options, including RS232, RS485, network, and USB, for controlling the camera.

▼ HDMI 1.4b
Supports HDMI 1.4b interfaces, allowing direct output of uncompressed digital video.

▼ Low-Light Enhancement
A brand-new CMOS image sensor with SNR up to 55dB effectively reduces image noise in low-light conditions. The 3D noise reduction significantly lowers image noise, ensuring clean images in low-light situations.

▼ Intelligent Exposure
Incorporates smart exposure image processing technology to effectively address the impact of light from devices such as projectors and TVs on the picture.

▼ Supports NDI®|HX2 [1]
Enables low-latency, high-quality, precise frame audio and video transmission, real-time discovery, interactive control, flexible IP broadcasting modes, and outstanding response to network video production needs.

▼ Multiple Interfaces
Supports HDMI 1.4b HD output, is equipped with a 3G-SDI interface, and has an effective transmission distance of up to 150 meters (1080P30). HDMI, LAN, or 3G-SDI, LAN can simultaneously output two HD digital signals.

Note:
1. This feature is optional.

Product Specification

▼ Camera Spec

Signal System	HDMI：4KP30, 4KP29.97, 4KP25, 1080P60, 1080P59.94, 1080P50, 1080P30, 1080P29.97,1080P25, 1080I60, 1080I59.94, 1080I50,720P60, 720P59.94, 720P50；3G-SDI：1080P/60, 1080P/50, 1080P/30, 1080P/29.97, 1080P/59.94, 1080P/25; 1080I/60, 1080I/50, 1080I/59.94; 720P50, 720P/60, 720P/59.94;
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels
Lens	12X, f=4.4mm~52.8mm, F1.8~F2.6
Scanning Mode	Progressive
Digital Zoom	16X
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	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
Horizontal FOV	71° ~ 8.2°
Vertical FOV	42.7° ~ 4.5
Image Flip	Support
Image Freeze	Support
PoE	Support
Preset Position	255
Preset Accuracy	0.1°

▼ Generic Spec

Input Voltage	DC 12V /PoE （802.3af）
Input Current	1.5A （Max.）
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Consumption	13W （Max.）
Dimension	142mm (W) x 169mm (D) x 164mm (H)
Net Weight	1.6kg

▼ Network Spec

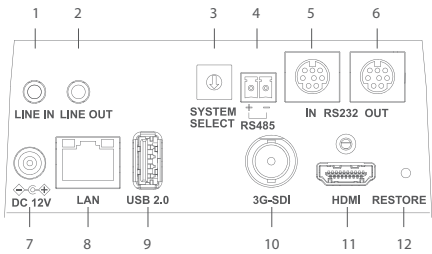|	
Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	720x480, 320x240 etc.
Video Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
Bit Rate Control	VBR, CBR
Frame 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/RTMP(s), Onvif, DHCP,GB/T 28181, Multicast, etc.

▼ I/O

HD Output	1 x HDMI: Version 1.4b; 1 x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard
Network Interface	1 x RJ45: 10M/100M/1000M adaptive Ethernet
Audio Interface	1 x LINE IN: 3.5mm Jack 1 x LINE OUT: 3.5mm Jack
USB Interface	1 x USB2.0, Type-A (Support Host or Device mode)
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
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	H.264 / MJPEG
Video Format	H.264 AVC: Max.2160P30；MJPEG: Max. 2160P30
USB Audio	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

Interface Diagram

1	LINE IN	7	DC 12V
2	LINE OUT	8	LAN
3	SYSTEM SELECT	9	USB2.0
4	RS485	10	3G-SDI
5	RS232 IN	11	HDMI
6	RS232 OUT	12	RESTORE