4K Intelligent Professional NDI Camera

UAI4VX60ASL / UAI4VX61ASL /UAI4VX61BASL

4K 60FPS | AI Smart Tracking | Optical Zoom | Remote Control | Multiple Interface

Designed for ProAV market, equipped with high quality 4K CMOS sensor ,built-in smart tracking capability, coupled with robust and reliable Pan/Tilt mechanical, achieve a smooth and precise tracking ,provide high quality A/V experiences and seamless communication for end users.

Dark gray

White

VX60ASl VX61ASL VX61BASL

Features

4K60FPS

VX60ASL：
Use a high -quality 1/1.8 inches UHD CMOS sensor with 8.42 million pixels.
VX61ASL / VX61BASL：
Use a high -quality 1/2.5 inches UHD CMOS sensor with 8.51 million pixels.
Support max 4K60fps image output and multiple lower resolutions like 1080p/720p.

Optical Zoom + 4K Wide -angle Lens

VX60ASL：
4K optical lens, support max 20× optical zoom(40× lossless in 1080P) and 60° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.
VX61ASL：
4K optical lens, support max 12× optical zoom(24× 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.
VX61BASL：
4K optical lens, support max 12× optical zoom(24× lossless in 1080P) and 80.8° horizontal field of view, can cover the demand of Extra-large conferencing room and other scenarios need larger optical zoom.

AI Smart Tracking

With the built-in AI capability and algorithms, camera can support multiple tracking modes,including body tracking, hybrid tracking and etc.

Remote Control

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

Non-compressed video stream

HDMI2.0 and 3G-SDI I/O, can output non-compressed video stream.

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.

Gravity Sensor1

Support image flipping, apply to head-up/head-down installation.

NDI®|HX21

Support low-latency NDI®|HX2 protocol, plug to play, minimal configuration and easy for deployment.

Multiple Interfaces

HDMI2.0, USB2.0, 3G-SDI(Up to 150meters transmission with 1080P30), LAN. Support HDMI/3G-SDI, USB, LAN streaming simultaneously².

Remark:
1.This function is optional.
2.For simultaneous output of 4 HD digital signals, please contact the manufacturer for specific version support.

Product Specification

Difference

	VX60ASL	VX61ASL	VX61BASL
Sensor	1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixels	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels	
Lens	20x, f=6.25mm~125mm, F1.58~F3.95	12x, f=4.4mm~52.8mm, F1.8~F2.612x, f=3.47mm~41.65mm, F1.84~F3.72	
Horizontal FOV	60°~ 3.5°	71° ~ 8.2°	80.8° ~ 7.5°
Vertical FOV	35.7° ~ 2.0°	42.7° ~ 4.5	49.9° ~ 4.3°

Camera Spec

Signal System	HDMI：4KP60, 4KP59.94, 4KP50, 4KP30, 4KP25, 4KP29.97, 1080P60, 1080P50, 1080I60, 1080I50, 1080P30, 1080P59.94, 1080I59.94, 1080P29.97, 720P60, 720P59.94; 3G-SDI：1080P/60, 1080P/50, 1080P/30, 1080P/29.97, 1080P/59.94, 1080P/25; 1080I/60, 1080I/50, 1080I/59.94; 720P/60, 720P/59.94;
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 SNR	3D Digital Noise Reduction ≥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
PoE+	Support
Preset Position	255
Preset Accuracy	0.1°

I/O

HD Output	1 x HDMI: Version 2.0; 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)

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(s), Onvif,DHCP,GB/T 28181, Multicast, etc.

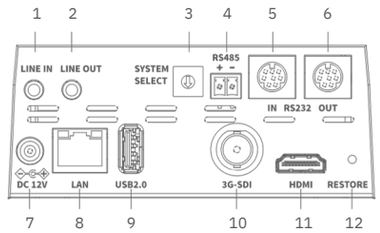
USB Spec

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 /H.265
Video Format	YUY2: Max.1080P5; H.264 AVC: Max.2160P30; H.265 HEVC: Max.2160P30; MJPEG: Max. 2160P30
USB Audio	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

Generic Spec

Input Voltage	DC 12V /PoE+（802.3at）
Input Current	2A（Max.）
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 60°C
Power Consumption	18W（Max.）
Dimension	142mm (W) x 169mm (D) x 175mm (H)
Net Weight	1.5kg

Interface Diagram



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