

BLANC

Quality Needs No Name

PTZ-4K-7000

25X 1/1.8-inch Broadcast Level PTZ Camera

4K 60FPS

25X OPTICAL ZOOM

USB3.0/HDMI/LAN/12G-SDI

FREE-D

NDI®|HX3

TimeCode

AI TRACKING

GESTURE RECOGNITION



FEATURES

4K 60fps Video:

Features a 1/1.8-inch Sony CMOS sensor for superior performance in various lighting conditions. Delivers up to 4K60 video output for exceptionally vivid and dynamic detail

25x Optical, 16x Digital Zoom:

25x optical zoom and 16x digital zoom with a 59.2° horizontal view, ideal for capturing fine details in large venues and classrooms.

Supports Multiple Output Interfaces:

HDMI, 12G-SDI, LAN, and USB 3.0 support up to 4K60 resolution. All interfaces can output simultaneously, offering a versatile and robust video output matrix for diverse production environments.

Free-D:

Built-in Free-D protocol outputs real-time spatial data, enabling dynamic camera angle control for virtual production and AR applications.

NDI®|HX3 Protocol:

Supports NDI®|HX3 for transmitting HD video, audio, and control signals over a single network cable with low latency.

AI Tracking:

Multi-mode AI algorithm tracks people and gestures for automatic framing, reducing manual operation in lectures, meetings, and classrooms.

Gesture Recognition

Supports three gesture controls for turning AI features on/off and switching tracking targets. Convenient and intuitive, enhancing the ease of use for any live event or recording session.

Smart Face Privacy Protection

It supports real-time detection of multiple faces in the picture. Once the face target is recognized, the system will automatically mosaic (pixelate) the head or body area without manual intervention. This function is suitable for application scenarios that have strict requirements for privacy protection, such as public security, medical image collection, interview shooting and special production environments.

SPECIFICATIONS

CAMERA PARAMETERS

Sensor	1/1.8-inch SONY CMOS sensor, approximately 8.29 million effective pixels
Zoom	Optical 25X / Digital 16X
Lens	f=7.1(wide-angle)~171.95mm(telephoto), F1.61~F5.19
Horizontal View Angle	59.2°(W)~2.5°(T)
Vertical View Angle	34.6°(W)~1.4°(T)
HDMI Output Format	3840*2160 p60/59.94/50/30/29.97/25; 1920*1080 p60/59.94/50/30/29.97/25; 1280*720 p60/59.94/50; 1920*1080 i60/59.94/50
12G-SDI Output Format	3840*2160 p60/59.94/50/30/29.97/25; 1920*1080 p60/59.94/50/30/29.97/25; 1280*720 p60/59.94/50; 1920*1080 i60/59.94/50
USB Output Format	MJPEG: 3840*2160, 2560*1440, 1920*1080, 1280*720, 960*540, 480*270, 384*216, 320*180, 256*144; YUY2: 1920*1080, 1280*720, 960*540, 640*360, 480*270, 384*216, 320*180, 256*144; NV12: 1920*1080, 1280*720, 960*540, 640*360, 480*270, 384*216, 320*180, 256*144

GIMBAL

Preset	Remote controls: 10, Keyboards: 255, Accuracy: 0.1° ±10%
Gimbal Acceleration Curve	Gentle, Standard, Swift
Horizontal Rotation Angle	-174°~ +174°
Vertical Rotation Angle	-30°~ +90°
Horizontal Rotation Speed	0.01°~ 180°/S
Vertical Rotation Speed	0.01°~ 180°/S

IMAGE PARAMETERS

Noise Reduction	2D & 3D
Exposure	Automatic, Manual, Aperture Priority, Shutter Priority
White Balance	Auto, Indoor, Outdoor, One-touch White Balance, Auto Tracking, Manual, Color Temperature
Low Light	0.1Lux
Anti-flicker	Off, 50Hz, 60Hz
Focusing Method	Automatic, Manual
Gamma	Standard, Linear, Pattern, Custom
Inversion/ Image Freeze	Support
Backlight Compensation	Support
Flip/Mirror	Support
Defog	Support
Shutter	1/50S ~ 1/10000S

ONLINE STREAMING

Video Encoding Format	H.264, H.265, MJPEG
Rate Control	Variable bit rate, constant bit rate
Bitrate	Stream 0 3840*2160, 1920*1080, 1280*720 Stream 1 640*360 Stream 2 1920*1080, 1280*720
Supported Protocol	TCP/IP, HTTP, RTSP, RTMP(S), SRT, ONVIF, DHCP, VISCA Over IP, Free D, NDI® HX3 (Optional)

AUDIO INFORMATION

Audio Compression	AAC
Audio Bitrate	128kbps

AI COMPOSITION

Smart Tracking	Single-person tracking, multi-person tracking, Zone tracking, hybrid tracking, gesture recognition
Gesture Recognition	Turn on/off, switch target
Composition Size	Half body / Full body
Composition Mode	Custom, Center, Left, Right
Composition Position	Current position, preset position, initial position
Pan Lock	Support(Only Single-person tracking)
Tilt Lock	Support(Only Single-person tracking)
Zoom Lock	Support(Only Single-person tracking)

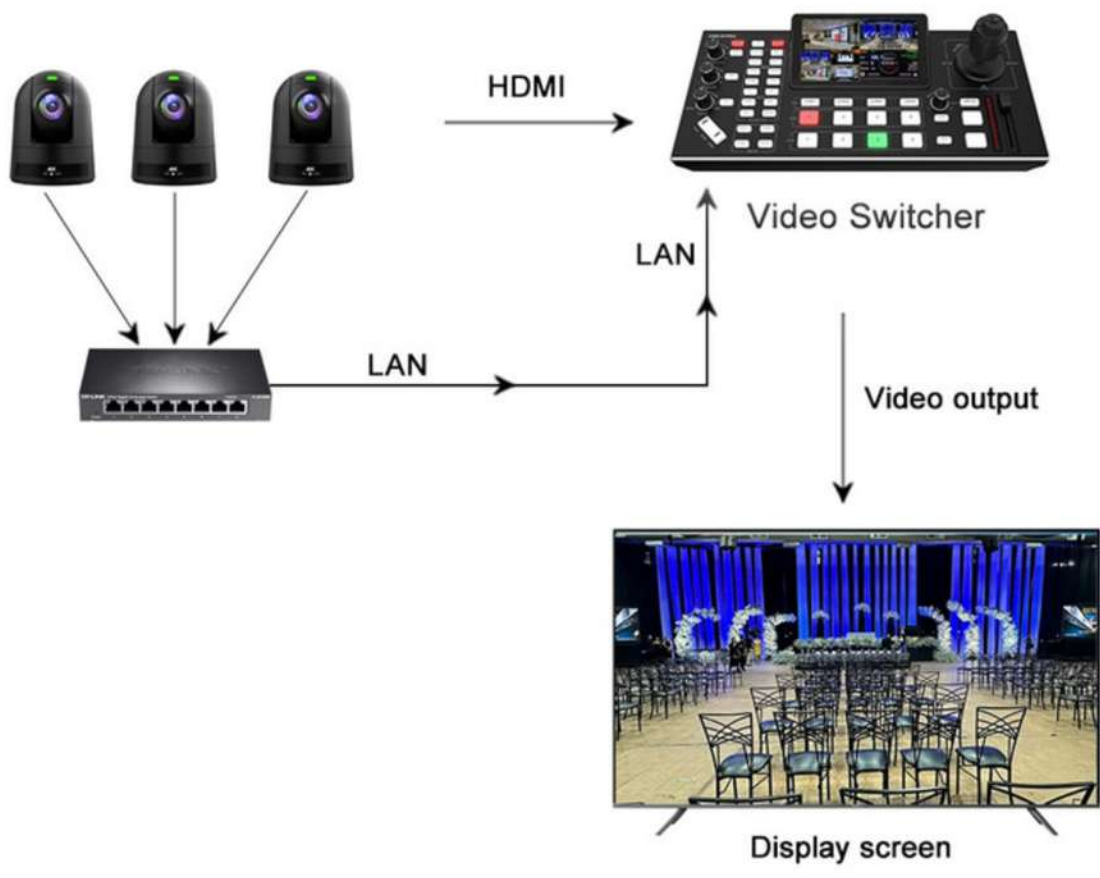
INPUT/OUTPUT

HDMI Port	HDMI: Version 2.0 *1 channel
USB Port	USB 3.0, Type-B port *1 channel
SDI Port	12G-SDI*1 channel, SYNC(TimeCode)*1 channel
Communication Interface	RS422/485 IN/OUT:9 Phoenix connector,maximum distance 1200 meters, VISCA/Pelco-D/P protocol *1 channel; RS232 IN/OUT: 8-pinmini DIN, maximum distance 30 meters, VISCA/Pelco-D/P protocol *1 channel
Network Interface	RJ45: 1000M adaptive Ethernet port ×1 channel
Audio Interface	3.5mm Line In audio port ×1 channel
Power Connector	IEC 60130-10 Type A

GENERAL PARAMETERS

Input Voltage	DC 12V
Input Current	Up to 1.5A
Operating Temperature	0~40°C
Power Consumption	Up to 18W
Color	Black
Specifications	156*188*195mm
Dimensions	1.31KG
Accessory List	DC12V power adapter, IR remote control, user manual, RS-232 serial cable (optional), HDMI cable (optional), HDMI bracket, USB3.0 video cable, wall mount/ceiling mount bracket (choose one of the two)

CONNECTION



APPLICATION SCENARIOS

Application Scenarios



Video conference



Telemedicine



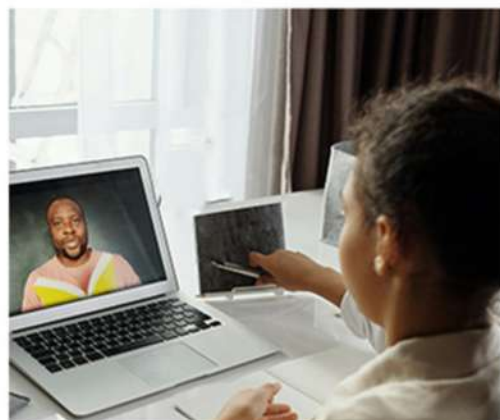
Lecture hall



Live broadcast



Church



Online Education