PeopleLink Elite FHD Pro Series 12X Gen2.1

PeopleLink Elite FHD Pro 12X camera designed for remote video conferences, executive meetings, remote education, and training scenarios, the cameras are equipped with HD CMOS image sensors, offering a video resolution of 1080P60fps. With a wide FoV long zoom lens paired with a PTZ, these cameras can cover the entire meeting scene.

Key Features

1080P Full HD
Utilizing a 1/2.8-inch, 2.07 million pixels HD CMOS sensor, delivering superior image quality with a maximum resolution of 1920x1080.

Wide-angle + Long Zoom
Features a 72.5° wide-angle lens, supporting 12x optical zoom and 16x digital zoom.

Multiple Control Options
Supports control through RS232 (optional RS485) serial ports, network, and USB interfaces, meeting various application needs.

Multiple Power Supply Options
Supports USB 5V power, 12V power adapter, and PoE.

H.264 Encoding Support
Outputting H.264 streams supports Slice and SVC encoding modes, suitable for high-end USB conference video applications.

Key Features

Dual-streaming

Simultaneously supports two streams output (YUY2, MJPEG, H.264 in any two modes), reducing the decoding pressure on the host.

AI Presenter Tracking

Equipped with in-house-developed ReID technology, the device identifies the speaker's figure, appearance, and outfit. As the speaker moves within the room, the camera automatically tracks them, ensuring the target remains centered. Even if there are interferences or the speaker exits the frame, the camera swiftly recaptures and tracks them upon reentry.
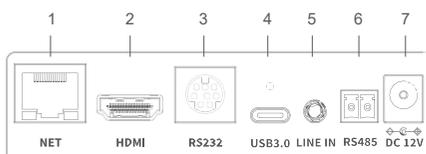
Multiple Interfaces

Supports simultaneous output of three 1080P video streams through HDMI[1], USB3.0, and network interfaces.

Supports NDI®|HX2[1]

This camera supports the next-generation network video transmission technology NDI®|HX2, featuring plug-and-play, low latency, and easy deployment. It supports simultaneous transmission of audio, video, and control signals.

Interface Diagram

1	2	3	4	5	6	7
NET	HDMI	RS232	USB3.0	LINE IN	RS485	DC 12V

1 —— NET
2 —— HDMI[1]
3 —— RS232
4 —— USB3.0
5 —— LINE IN
6 —— RS485
7 —— DC 12V

General Specifications

▼ Camera Spec

Sensor	1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels
Signal System	1080P 60，1080 P 50，1080 P 30，1080 P25，720P60，720P50
Lens	12X Optical Zoom
Focal Length	f3.5mm~42.3mm, F1.8~F2.8
Scanning Mode	Progressive
Digital Zoom	16×
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	2.7° ~ 35.7° /s
Tilt Speed	2.7° ~ 31.5° /s
Horizontal FOV	72.5° ~ 6.9°
Vertical FOV	44.8° ~ 3.9°
Video Format	**YUY2:** Max. 1080P60； **H.264 AVC:** Max. 1080P60； **MJPEG:** Max. 1080P60； **H.264 SVC（Optional）:** Max. 1080P60
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

General Specifications

▼ I/O

USB Interface	1 x USB 3.0, Type-C
HD Output	1 x HDMI1.4b[1]
Network Interface	1 x RJ45: 10M / 100M adaptive Ethernet
Audio Interface	1 x Line In, 3.5mm Jack
Power Interface	JEITA（DC IN 12V）/USB Type-C（DC IN 5V）/ PoE
Control Interface	**1 x RS232 In:** 8pin Min DIN, Max. Distance: 30m, **Protocol:** VISCA / Pelco-D / Pelco-P **1 x RS485 In(Optional):** 2pin phoenix port, Max. Distance: 1200m, Protocol: VISCA /Pelco-D / Pelco-P

▼ USB Spec

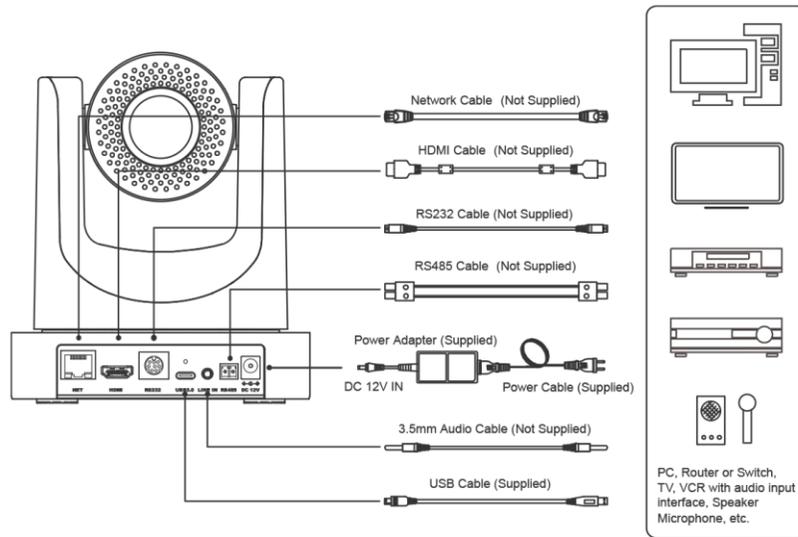|	
Operating System Supported	Windows 7（only supports UVC1.1 features）, Windows 8 and above version, MacOS 10.5 and above version, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	YUY2 / H.264 / MJPEG
UVC Audio	Support
USB Video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	Support

▼ Network Spec

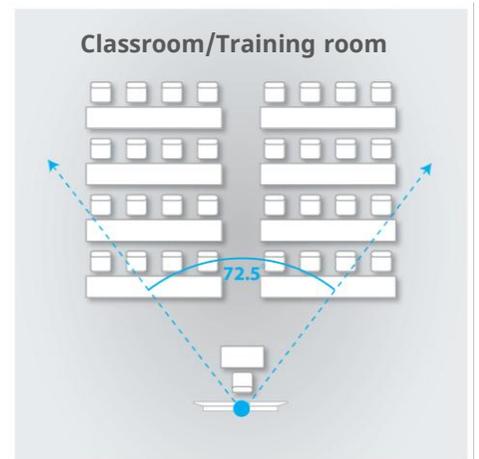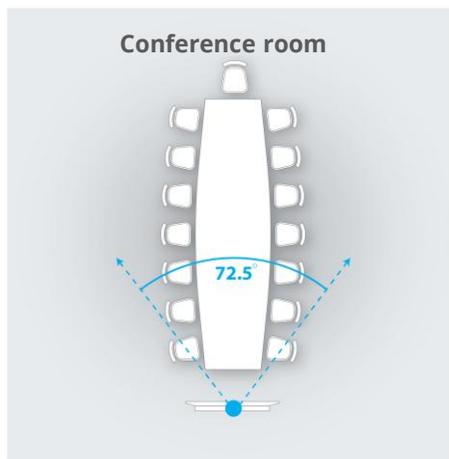|	
Video Compression	H.264 / MJEPG
Video Stream	First Stream, Second Stream
First Stream Resolution	1920x1080,1280x720,1024x576 etc.
Second Stream Resolution	1280x720,1024x576,720x480 etc.
Video Bit Rate for First Stream	32Kbps ~ 10240Kbps
Bit Rate Control	VBR, CBR
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Protocols	NDI®|HX2,TCP/IP,HTTP,RTSP,RTMP(s),Onvif,DHCP, SRT,GB/T 28181,Multicast,etc.

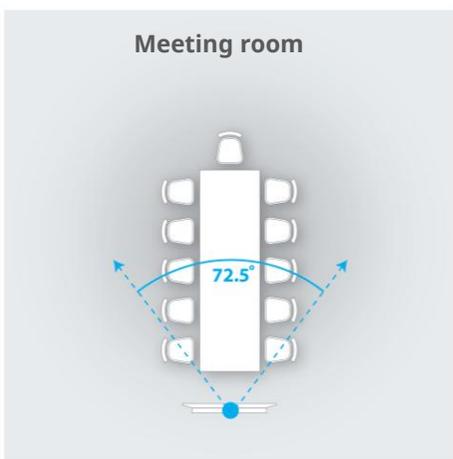## ▼ Generic Spec

Input Voltage	DC 12V/DC 5V/PoE(802.3af)
Input Current	12V 1.0A(Max.)/5V 1.5A
Operating Temperature	-10° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Dimension	144mm (W) × 144mm (D) × 166.89mm (H)
Net Weight	1.41kg
Power Consumption	12W

Connectivity

Network Cable (Not Supplied)
HDMI Cable (Not Supplied)
RS232 Cable (Not Supplied)
RS485 Cable (Not Supplied)
Power Adapter (Supplied)
DC 12V IN   Power Cable (Supplied)
3.5mm Audio Cable (Not Supplied)
USB Cable (Supplied)

PC, Router or Switch, TV, VCR with audio input interface, Speaker Microphone, etc.

Application Scenarios

Meeting room	Conference room	Classroom/Training room
72.5°	72.5°	72.5°

Disclaimer:- Room setup diagrams are provided for reference only. Actual room setup and size may vary as per requirements.

Ordering Information

Part code   :   PPU-PVC-EPS-12X-16DX-G2.1

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