# PeopleLink Elite XL Series 20x Camera



PeopleLink Elite XL 20X is a PTZ video camera with image resolution up to 1080p@60fps, 20x optical, horizontal field of view 60.7°, horizontal and vertical pan speed 100°/s. Camera rotation angles are ±170° horizontally, from -30° (down) to +90° (up) vertically, and there is a customizable white balance. The camera can be used upside down thanks to the image flip function. The device memorizes 255 presets—output Image Interfaces: IP, HDMI, 3G SDI, USB 3.0 type A. The camera is controlled via IR and interfaces RS-232, RS-485, Ethernet.

## Key Features

- **1080P Full HD :** Equipped with 1/2.8", 2.07 million effective pixels high quality HD CMOS sensor, It can reach maximum 1920 x 1080 high resolution and achieve quality image.

- **60.7° Wide-Angle Lens + 20x Optical Zoom :** Adopts a high-quality ultra-high-resolution full HD telephoto lens, supports a maximum of 20x optical zoom, a 35mm equivalent focal length of up to about 670mm, and a horizontal field of view of 60.7°.

- **Electromechanical Head :** Built-in self-developed electromechanical head, the horizontal rotation range can reach ±170°, the rotation speed range is 1.7°~ 100°/s; the vertical rotation range can reach -30°~ 90°, and the rotation speed range is 1.7°~ 69.9° /s.

- **Multiple Interfaces, Low-Latency Output of all Interfaces :** It supports 3G-SDI, HDMI, USB and network audio and video to output 1080P60 at the same time, and all video output interfaces meet the low-latency index.

# Key Features

- **Uncompressed Professionally Video Output :** With HDMI 1.3 and 3G-SDl interface, it can directly output uncompressed digital video.

- **Low Illumination :** The application of 2D and 3D noise reduction algorithm greatly reduces image noise. Even under the condition of ultra-low illumination, it still keeps the picture clean and clear, and the SNR of image is as high as 55dB.

- **Remote Control :** Through the RS232 and RS485 serial ports and USB, the camera can be controlled remotely.

- **Leading Auto Focus Technology :** Using advanced focusing algorithm, the lens can focus quickly, accurately and stably.

- **New Generation of ISP Image Processing Algorithm :** The new generation of ISP image processing algorithm provides more complete white balance and automatic exposure functions, It is which significantly improves the image output performance of the camera, and the imaging effect is also better. Widely used in education recording and broadcasting, distance education, video conferencing, live broadcasting, broadcasting and other industries.

- **Upgraded Al Technology :** Using upgraded Al technology and pedestrian re- recognition technology, it can accurately determine the location of each person based on information such as pedestrian clothing, body shape, hairstyle, and face recognition, and realize automatic identification and tracking of target human figures, automatic frame selection, and intelligent privacy for meetings. Blur function2.

- **Exclusive Audio Processing Algorithm :** he exclusive audio processing algorithm can eliminate reverberation, effectively reduce environmental noise,and support EQ adjustment to optimize sound effects; the device supports dual mic pickup, and can also be connected to external microphones, wireless bees, etc., to meet the pickup needs of most scenarios.

- **1080P@60 Full NDI (Optional) :** It supports 1080P60 FULL NDI technology, which brings us ultra-low latency high-quality audio and video signal transmission, which can achieve unparalleled ultra-high- resolution image quality and lossless effects that are closer to vision.

# General Specifications

### Main Features

**Uncompressed Professional video output :**
1080P60, 1080P59.94, 1080P50, 1080160, 1080159.94, 1080150, 1080P30, 1080P29.97, 1080P25, 20P60, 720P59.94, 720P50

**Sensor :** 1/2.8'', CMOS, Effective Pixel: 2.07 Megapixels

**Scanning Mode :** Progressive

**Zoom :** 20x Optical Zoom

**Focul length ;** f4.42mm ~ 88.5mm, F1.8 ~ F2.8

**Digital Zoom :** 16X Digital Zoom

**Minimal Illumination :** 0.5 Lux @ (F1.8, AGC ON)

**Shutter :** 1/30s ~ 1/10000s

**White Balance:** Auto, Indoor, Outdoor, One Push, Manual

**Backlight Compensation :** Support

# General Specifications

## Main Features

**Digital Noise Reduction :** 2D & 3D Digital Noise Reduction

**SNR :** ≥55dB

**Horizontal FoV :** 60.7° ~ 2.28°

**Vertical FoV :** 34.1° ~ 1.28°

**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

**Preset Position :** 255

**Preset Accuracy :** 0.1°

## Audio

**Microphone Array :** Built-in dual microphones, 100Hz to16KHz frequency response.

**Analog Audio Input/Output :** Support 3.5mm Line-In, Support 3.5mm Line-Out

**Digital Audio Output :** Support HDMI, USB, LAN, 3G-SDI etc.

## Interface

**USB Interface :** 1x USB3.0, Type-A

**HD Output :** 1x HDMI: Version 1.3: 1x 3G-SDI: BNC, 800mVp-p, 75Ω,  as per SMPTE 424M standard

**Network Interface :** 1x RJ45: 10M/100M/1000M adaptive Ethernet, Support PoE

**Audio Interface :**  Built-in dual microphone,  1x Line In, 3.5mm Jack, 1x  Line Out, 3.5mm Jack

**Control Interface : 1x RS485:** 2pin phoenix port, **Max Distance**: 1200m, **Protocol:** VISCA / Pelco-D/ Pelco-P; **1xRS232 IN:** 8pin Mini DIN,  **Max Distance:** 30m, **Protocol:** VISCA / Pelco-D/ Pelco-P; **1xRS232 OUT:** 8pin Mini DIN, **Max Distance**: 30m,  **Protocol:** VISCA only

**Power Interface :** JEITA type (DC IN 12V)

## Network Features

**Video Compression :** H.265 / H.264

**Video Stream :** First Stream, Second Stream

**First Stream Resolution :** 1920x1080, 1280x720, 1024x576 etc.

**Second Stream Resolution :** 1280x720,  1024x576, 720x576 etc.

**Video Bit Rate :** 32Kbps ~ 102400Kbps

**Bit Rate Control :** VBR, CBR

**Frame Rate :** 1fps ~ 60fps

**Audio Compression :** AAC

**Audio Bit Rate :** 96Kbps, 128Kbps, 256Kbps

**Protcols :** FULL NDI (Optional), NDI®|HX2 (Optional), TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, SRT, GB/T 2818l etc.

## USB Features

**Operating System Supported :**  Windows 7 (only supports UVC.11 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 drives.

**Color System / Compression :** YUY2, H.264 / MJPEG

**Signal System :**  Support variety of video formats with different frame rates and resolutions, up to 1080p/60 YUY2 output

**USB Video Communication :**  UVC1.1 and UVC 1.5

**USB Audio :**  32K Sampling Rate, Support UAC 2.0

**UVC PTZ  Control :** Support

## General  Specifications

**Input Voltage :** DC 12C/PoE (802.3af)
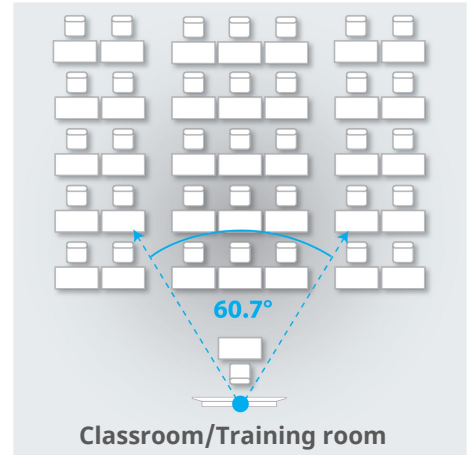
**Input Current :** 1.0A (Max)
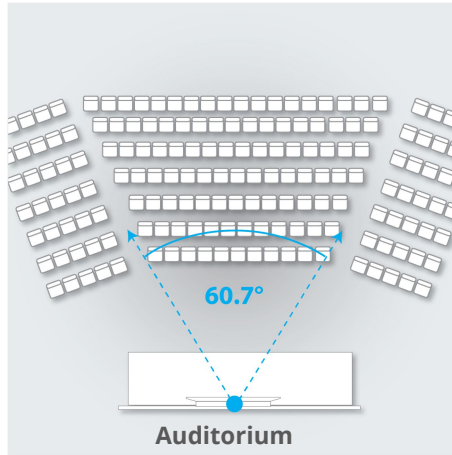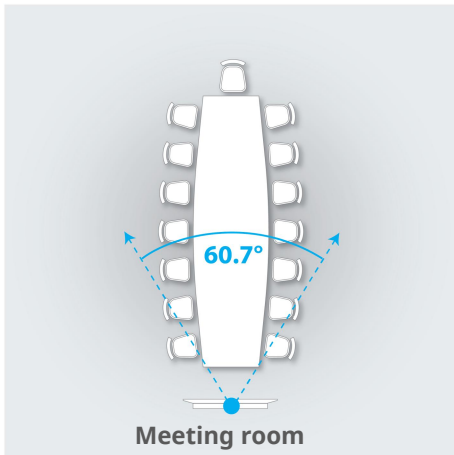
**Operating Temperature :** 0 ~ 40°C

**Storage Temperature :** -40 ~ 60°C

**Power Consumption :** 12W ( Max

**Dimension :** 169mm x 142mm x 164mm

**Net Weight :** 1.35Kg

## Application Scenarios



**60.7°**

**Meeting room**

**60.7°**

**Auditorium**

**60.7°**

**Classroom/Training room**

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

## Connectivity



3.5mm Audio Cable (Not Supplied)

3.5mm Audio Cable (Not Supplied)

RS485 Cable (Not Supplied)

RS232 Cable (Supplied)

RS232 Cable (Not Supplied)

AC Adapter (Supplied)

DC 12V IN 　　Power Cable (Supplied)

USB Cable (Optional)

3G-SDI Cable (Not Supplied)

HDMI Cable (Not Supplied)

Network Cable (Not Supplied)

Computer, TV, VCR with audio input jack, Routers or Switches, Speaker Microphone, etc.
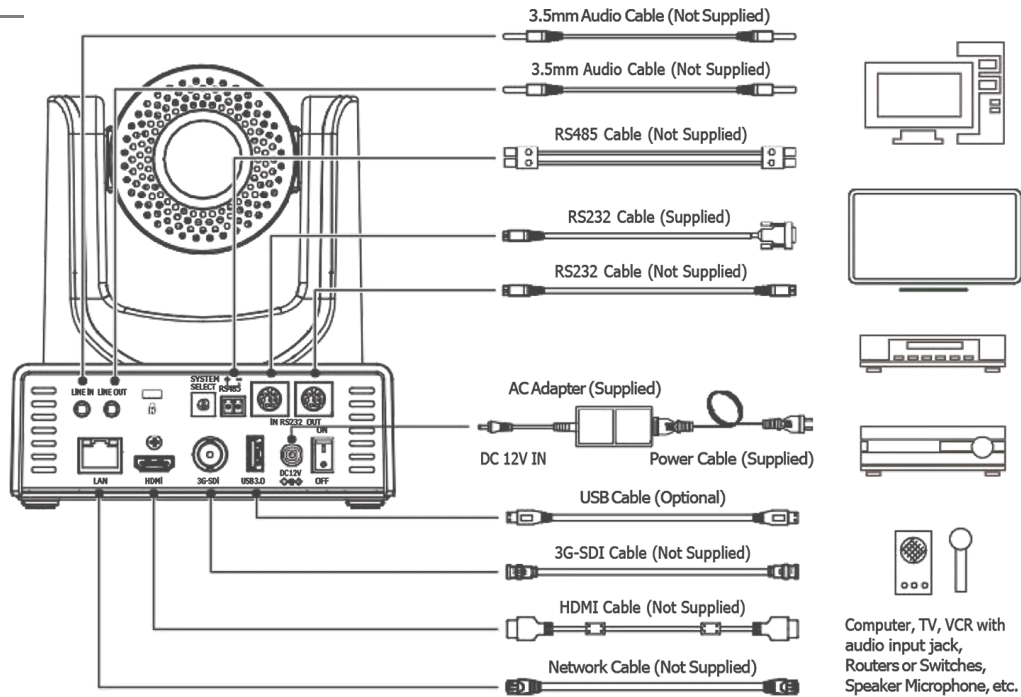
## Ordering Information

**Part code** 　　　　　　　　: 　　**PPU-PVC-EPS-20X-16DX**

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For more information on Elite XL 20x Camera  **Click Here**

## SALES AND INQUIRIES

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