



PeopleLink Elite 4K Professional 30x Camera

Key Features



50MP


1080P/
120FPS

30x Optical
Zoom


PDAF



HDR10

PeopleLink Elite 4K Professional Camera

Specifically designed for professional scenarios such as broadcast live streaming, sports events, educational broadcasts, commercial performances, and remote command, the Elite stands out with its 4K resolution, 50MP, 120fps high-speed frame rate, and PDAF (Phase Detection Autofocus). It enables users to effortlessly capture high-speed motion moments and accurately lock onto tracking targets in complex environments. With its broadcast-grade color performance and stable image stabilization, the Elite 4K delivers image quality that rivals broadcast-grade equipment

• 50MP Ultra-High-Resolution Sensor

Equipped with a 1/1.55-inch 50MP CMOS sensor for unmatched clarity and cinematic video output. Support various video output resolutions maximum 4K 60fps and lower resolution like 1080P, 720P and etc..

• 120fps High Frame Rate

Supports 1080P at 120fps for smooth, high-quality video capture, perfect for fast-moving scenes like live sports broadcasts, significantly enhances video fluidity and real-time performance.

• PDAF (Phase Detection Autofocus)

Built-in PDAF (Phase Detection Autofocus) technology, can accurately calculate the focus position using optical phase differences, enabling very fast and precise Auto focus.

• HDR10: A Comprehensive Revolution in Lighting and Color

Supporting the BT.2020 color standard, which doubles the color gamut range compared to BT.709, this technology offers a more realistic representation of light and dark contrasts. It can depict colors that are closer to human perception, with light and dark contrasts that more accurately reflect the real world, defining the colors of the future.

Key Features

- **EIS (Electronic image stabilization)**

Dynamically eliminates camera vibration through intelligent cropping and motion compensation, delivering broadcast-ready stable image in any scenarios.

- **30X Optical Zoom+ 59° HFoV Lens**

Featuring a premium ultra-high-resolution lens with 59° HFoV and up to 30x optical zoom, this system delivers crystal-clear imaging across all distances from intimate close-ups to expansive distant shots.

- **Multiple interfaces**

Support simultaneous streaming of high-definition digital signals via HDMI, 12G-SDI (Optional), 3G-SDI USB and LAN, Support multiple ways of control, RS422, RS485, IP and USB, widely used in various scenarios such as virtual studios, live streaming, broadcasting, virtual education and etc..

- **Tally light**

Equipped with 1 front and 1 rear Tally lights, enables operators to effortlessly access the camera's live status, with visual indicators helping users quickly grasp the camera's working status.

- **AI-Powered Presenter Tracking**

Featuring proprietary ReID and Face ID AI algorithms, the camera precisely identifies and focuses on subjects based on skeletal structure, body shape, posture, and clothing. Even in complex environments, it accurately tracks and captures moving targets, keeping them in clear focus and at the center of the frame.

- **Multi-protocols compatibility**

Support ND|HX2, Dante AV-H, SRT, TCP/IP, HTTP(S), RTSP, RTMP(S) and other protocols.

- **Built-in Filter Mount for One-Touch Switching**

The camera body features a pre-installed filter mount, compatible with Neutral Density (ND) and Circular Polarizing (CPL) filters for immediate use. With a single touch, effortlessly address issues like strong light overexposure and reflective interference, easily achieving dynamic light and shadow control along with color depth optimization. Even photography beginners can capture cinematic-quality footage.

General Specifications

Camera

Signal System:

• **HDMI/12G-SDI:** 4KP60, 4KP50, 4KP30, 4KP25, 4KP59.94, 4KP29.97, 1080P60, 1080P50, 1080P59.94, 1080P30, 1080P29.97, 1080I60, 1080I50, 1080I59.94, 720P60, 720P59.94

• **3G-SDI:** 1080P60, 1080P50, 1080P30, 1080P29.97, 1080P59.94, 1080P25, 1080I60, 1080I50, 1080I59.94, 720P60, 720P59.94

Sensor: 1/1.55" CMOS, Total pixel: 50MP

Scanning model: Progressive

Lens: 30X, f=7. 210mm, F1.61~5.19

Digital Zoom: 16X

Minimum Illumination: 0.5Lux (F1.8, AGC ON),

Shutter: 1/30s-1/10000s

White Balance: Automatic, indoor, outdoor, one-key operation, manual, specified color temperature

Backlight Compensation: Support

Digital Noise Reduction: 3D Digital Noise Reduction

General Specifications

SNR: ≥55dB

Horizontal FoV: 59.2°~2.5°

Vertical FoV: 34.6°~1.4°

Tilt Range: ±170 °

Pan Range: -30°~+90°

Pan Speed Range: 1.7°~100°/s

Tilt Speed Range: 1.7°-69.9°/s

Horizontal Flip & Vertical Flip: Support

Image Freeze: Support

PoE+: Support

Preset Positions Number: 255

Preset Position Accuracy: 0.1°

USB

Support Operating System: Windows 8, Windows 10, Windows 11, MacOSX, Linux 2.4.6 and later versions, Android versions that include UVC-related driver programs

Color Space/Compression: YUY2/H.264/MJPEG

Video Format:

• **YUY2:** Upto 1080P30

• **H.264:** Upto 4KP60

• **MJPEG:** Upto 4KP60

USB Audio: Support

USB Video Communication Protocol: UVC 1.1

UVC PTZ Control: Support

Network

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

Video Stream: First Stream, Second Stream

First Stream Resolution: 3840 x 2160, 1920 x 1080, 1280 x 720, 1024 x 576, 720 x 480, 720 x 408, 640 x 480, 640 x 360

Second Stream Resolution: 720 x 480, 720 x 408, 640 x 480, 640 x 360, 480 x 320, 320 x 240

Bit Rate:

• **First stream:** 32kbps~51200kbps;

• **Second stream:** 32kbps~20480kbps

Bit Rate Control: Variable Bit Rate, Fixed Bit Rate

Frequency: 50Hz: 1fps~50fps, 60Hz: 1fps-60fps

Audio Compression: AAC

Audio Bit Rate: 96Kbps, 128Kbps

Support Protocols: NDI6, HX3, TCP/IP, HTTP, RTSP, RTMP, ONVIF, DHCP, SRT, Multicast and etc.

I/O

HD Output:

• **1x HDMI :** 2.0

• **1x 3G-SDI :** BNC type, 800mVp-p, 75Ω, Comply with SMPTE 424M standard

• **1x 12G-SDI:** BNC type, 800mVp-p, 75Ω, Comply with ST2082 standard (Optional)

Network: 1 X LAN: 10M/100M/1000Mbps adaptive ethernet

USB: 1xUSB2.0 Type-A, Host Interface 1xUSB3.0 Type-C (for audio and video signal transmission)

Audio: 1xLine in 3.5mm Audio Interface
1xLine out 3.5mm Audio Interface

Communication interface:

1xRS422 IN/RS485: RJ45,

Max: 1200m, VISCA/Pelco-D/Pelco-P protocol

1xRS422 OUT: RJ45,

Max: 1200m, VISCA/Pelco-D/Pelco-P protocol

SD Card: 1 Micro SD

RESTORE button: Support

Power Interface: JEITA type (DC IN 12V)

Generic

Input Voltage: DC 12V/PoE+ (802.3at)

Input Current: 2A

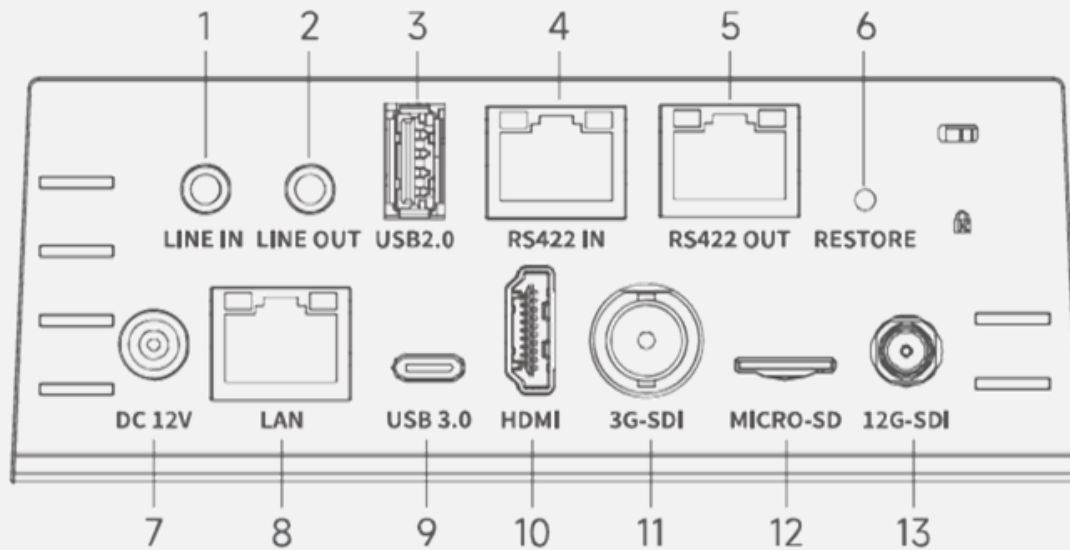
Working Temperature: 0°C~40°C

Storage Temperature: -40°C~60°C

Dimension: 170mm x 196mm x 228mm

Net weight: 2.3KG

Interface Diagram



- | | | |
|--------------|------------|------------------------|
| 1. LINE IN | 6. RESTORE | 11. 3G-SDI |
| 2. LINE OUT | 7. DC 12V | 12. MICRO SD |
| 3. USB 2.0 | 8. LAN | 13. 12G-SDI (Optional) |
| 4. RS422 IN | 9. USB 3.0 | |
| 5. RS422 OUT | 10. HDMI | |

Ordering Information

PeopleLink Elite 4K Professional 30x Camera : PPL-SAM-4K-30X

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