Elite 4K Premium Series 12X

This 12x Optical Zoom Camera, equipped with a1/2.5" CMOS sensor and 8.51 megapixels, delivers 4K UHD resolution at 2160P30 with a wide 78° diagonal field of view. It supports advanced features like digital noise reduction, image flip, and precise PTZ control with 255 preset positions. The camera's integration capabilities include H.264/MJPEG video compression, multiple streaming protocols, PoE, HDMI, and USB connectivity. Its versatile use case spans conference rooms, educational settings, and live streaming applications. With excellent low-light performance, scalable pricing, and flexible configuration options, it is a comprehensive solution for modern video needs.

Key Features

- **12x Optical Zoom with 16x Digital Zoom :** Captures detailed images even at long distances, ideal for large conference rooms or lecture halls.

- **4K UHD Video Output :** Supports up to 2160P30 resolution, delivering crisp and clear visuals aligned with the trend for high-definition presentations.

- **Wide 78° Field of View :** Ensures better room coverage, reducing the need for multiple cameras.

- **Advanced Video Compression :** Utilizes H.264 and MJPEG to ensure seamless streaming even with varying network conditions.

- **Multi-Protocol Support (NDI, RTSP, Onvif) :** Enables flexible integration into various video systems, addressing recent demands for compatibility and interoperability in professional setups.

General Specifications

Camera

Sensor : 1/2.5 inches, CMOS, Effective Pixels 8.51MP

Zoom: 12x Optical Zoom, 16x Digital Zoom

Lens : f4.4mm ~ 52.8mm, F1.8 ~ F2.6

Diagonal field of view : 78°

Video Format : YUY2 Max. 1080P30; MJPEG: Max. 2160P30; H.264 SVC/AVC: Max. 2160P30

Signal System : 4KP30, 4KP25, 1080P30, 1080P25

Scanning Mode : Progressive

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

Shutter : 1/30 ~ 1/10000s

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

Backlight Compensation : Support

DNS : 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

Image Flip : Support

Preset Position : 255

Preset Accuracy : 0.1°

Network

Video Compression : H.264/MJPEG

Video Stream : First Stream, Second Stream

First Stream Resolution : 3840x2160, 1920x1080, 1280x720

Second Stream Resolution: 1920x1080, 1280x720, 1024x576

Video Bit Rate : 32kbps ~ 20480kbps

Bit Rate Control : VBR, CBR

Frame Rate : 50Hz 1fps ~ 25fps, 60Hz: 1fps ~ 30fps

Audio Compression : AAC

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

Protocols : NDI®IHX2, TCP/IP, HTTP, RTSP, RTMP(s), Onvif, DHCP,SRT,GB/T 28181, Multicast.

USB

Operating System Supported : Windows 7 (only supports UVC1.1 features), Windows 8 and above versions, macOS 10.5 and above version, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers

USB Video : Support

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

USB Video Communication Protocol : UVC 1.1 ~ 1.5

UVC PTZ Control : Support

General

USB Interfaces : 1x USB 3.0 Type-C

HD Output : 1x HDMI 1.4b

Network Interface : 1x RJ45 10M/100M/1000M adaptive Ethernet

Audio Interface : 1x LINE IN 3.5mm Jack

Control Interface : 1 x RS485 IN(Optional): 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.

Power Interface : JEITA Type (DC IN 12V)

Input Voltage : DC 12V / PoE (802.3af)

Input Current : 12V 1.0A (Max)

Operating Temperature : -10° C ~ 40° C

Storage Temperature : -40° C ~ 60° C
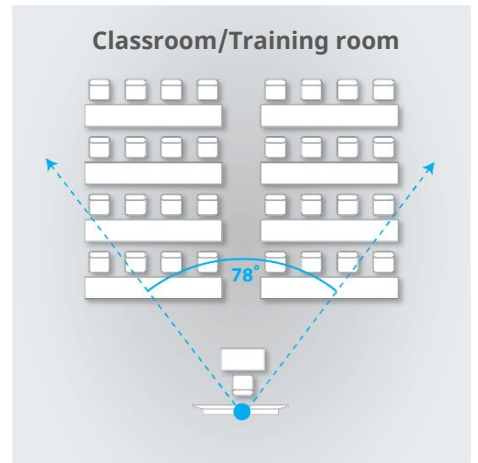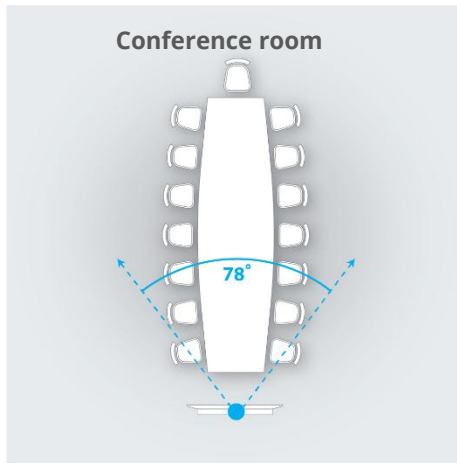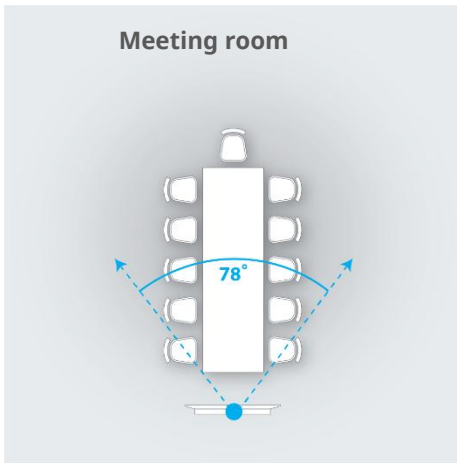
Power Consumption : 12W (Max)

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Dimensions

Length (L) : 144 mm

Height (H) : 173.4 mm

Depth (D) : 144 mm

Net Weight : 1.41kg

Application Scenarios

Meeting room

Conference room

Classroom/Training room

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

Ordering Information

Elite 4K Premium Series 12X   :