



V.1.1 - 082024

## Elite 4K Premium Series 20X



This advanced 20x optical zoom camera with 16x digital zoom delivers superior 4K UHD video performance, making it ideal for professional settings such as conference rooms, auditoriums, and live streaming events. Equipped with a CMOS sensor of 8.42 Megapixels, it ensures precise pan, tilt, and zoom control, covering a wide 66.6° diagonal field of view. Key benefits include noise reduction, backlight compensation, and support for multiple protocols like NDI, RTSP, and Onvif for seamless integration. Its compact design, low power consumption, and 255 preset positions make it a scalable solution for both small and large setups, with flexible pricing based on requirements.

## Key Features

- 4K Ultra HD** : With advanced 20x optical zoom ensures superior image clarity, making it ideal for large conference rooms and auditoriums.
- Low Light Performance** : With 0.5 Lux minimum illumination, delivering exceptional quality even in dimly lit environments.
- Dual-streaming** : Capability for seamless live broadcasting and recording, supporting platforms like RTSP, RTMP(s), streaming. For professional
- Highly Precise PTZ Control** : With 255 preset positions and 16x digital zoom, offering fluid movement and flexibility in diverse setups.
- Comprehensive Compatibility**: With multiple OS platforms (Windows, macOS, Linux), ensuring broad support across systems and ease of integration.

## General Specifications

### Camera

**Sensor** : 1/2.8 inches, CMOS, Effective Pixels 8.42 Megapixels

**Lens** : 20x, f3.47mm ~ 41,65mm, F1.84 ~ F3.72

**Diagonal field of view** : 66.6°

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

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

**Scanning Mode** : Progressive

**Digital Zoom** : 16x

**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

**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

**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

## General Specifications

**Power Consumption :** 12W (Max)

**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

### Dimensions

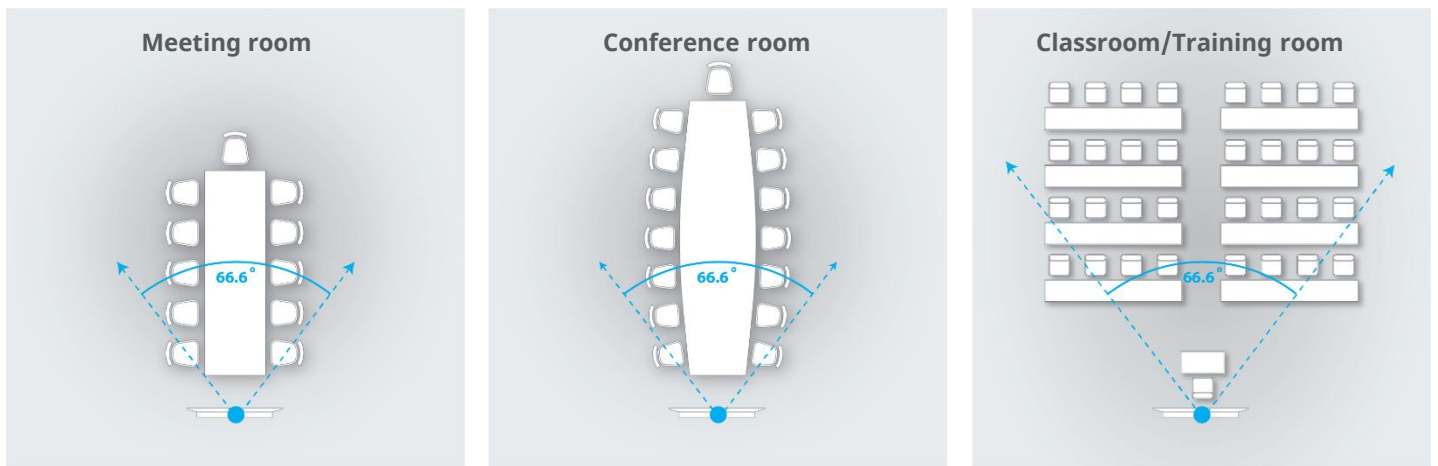
**Length (L) :** 144 mm

**Height (H) :** 173.4 mm

**Depth (D) :** 144 mm

**Net Weight :** 1.41kg

## Application Scenarios



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

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