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 8.42MP

Zoom : 20x Optical Zoom, 16x Digital Zoom

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

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
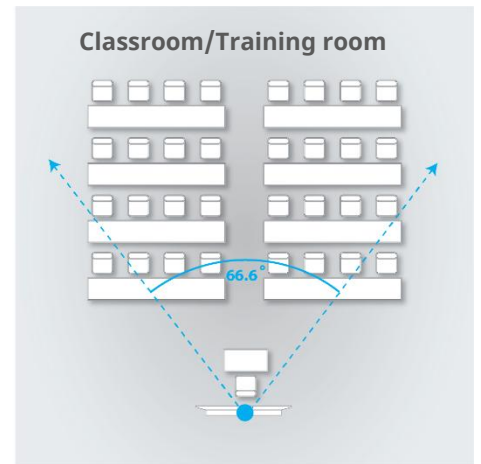
Storage Temperature : -40° C ~ 60° C

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
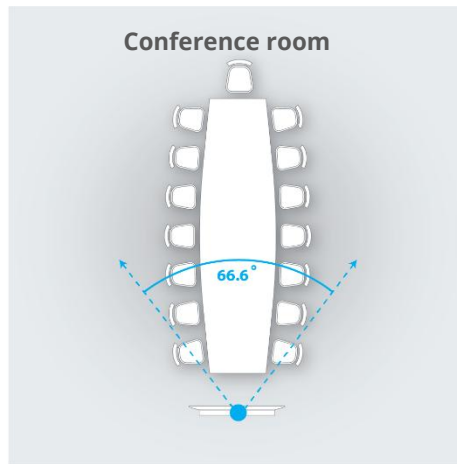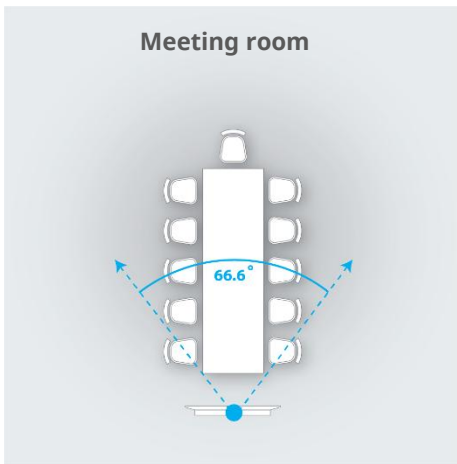
Storage Temperature : -40°C ~ 60°C

Dimensions

Length (L) : 144 mm

Height (H) : 173.4 mm

Depth (D) : 144 mm

Net Weight : 1.41kg

Application Scenarios

Meeting room	Conference room	Classroom/Training room
66.6°	66.6°	66.6°

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 20X   :

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