

NIOTEK

UC-X10

4K Professional Camera

Designed for professional broadcasting, educational training, administrative meetings, and more, these cameras feature a 4K image sensor paired with an ultra-long optical zoom lens. Equipped with a digital array microphone, they effortlessly meet the requirements of various scenes. The cameras have built-in operation buttons, support infrared remote control, and web-based operation.



Features

▼ 4K60FPS

Utilizing a 1/2.8-inch, 8.4 million pixels UHD CMOS sensor, it outputs 4K60FPS. It is also backward compatible with various resolutions, including 1080P and 720P.

▼ 12x Optical Zoom + HD Wide-Angle Lens

Utilizing a full HD lens, with a maximum 72.8° horizontal FoV and support for 12x optical zoom.

▼ Built-in Button Controls

The camera has convenient onboard buttons for quick control, eliminating the need for a remote control and facilitating on-site installation and setup.

▼ Full-Function Webpage

The device features a comprehensive webpage, allowing all configurations and applications to be completed through the web interface, greatly facilitating on-site equipment installation and setup.

▼ TOF¹

The camera is equipped with a laser-assisted autofocus system, utilizing advanced autofocus algorithms to achieve rapid and precise automatic focusing.

▼ Support for 3G-SDI

It supports 3G-SDI outputting video streams at 1080P60 resolution, better meeting the requirements for image clarity and smoothness in professional fields.

▼ Built-in Microphone

The camera features a built-in microphone array for 360° omnidirectional audio pickup. With noise suppression algorithms, it achieves clear audio pickup with a range of 6 meters.

▼ Dual Infrared Receivers

The camera is designed with front and rear dual infrared sensors, significantly expanding the infrared reception range and enhancing the remote control experience.

▼ Multiple Interfaces

It supports HDMI, SDI, USB, and network output, adapting well to diverse application scenarios.



▼ Difference	UC-X10
Optical Zoom	12x
Horizontal FOV	72.8° ~ 6.8°
Vertical FOV	44.1° ~ 3.8°

▼ Camera Spec	
Signal System	HDMI: 4KP60, 4KP50, 4KP30, 4KP25, 4KP59.94, 4KP29.97, 1080P60 etc. 3G-SDI: 1080P60, 1080P50, 1080P30, 1080P25, 720P60 etc.
Sensor	1/2.8 inches, CMOS, Effective Pixels: 8.4 Megapixels
Focus Mode	Auto, One Push, Manual
Minimum Illumination	0.5Lux
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
HDR	Support
Digital Noise Reduction	2D/3D Digital Noise Reduction
SNR	≥ 55dB
Anti-flicker	Support
Image Flip	Support
Image Freeze	Support
PoE	Support
Preset Position	255

▼ Device operation	
Body Buttons	Quantity: 8; Features: Zoom operation, focus operation, brightness adjustment, menu control, image freezing, and mode switching.
Webpage	Full -Function Webpage
Remote Control	360 ° infrared remote control support

▼ I/O	
HD Output	1 x HDMI: Version 2.0; 1 x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard
Network Interface	1 x RJ45: 10M/100M/1000M adaptive Ethernet Support: PoE(802.3af)
Audio Input	1 x Line In, 3.5mm Jack; 2 x Microphone input
Audio Output	1 x Line Out, 3.5mm Jack
USB Interface	1 x USB3.0,Type-C
Control Interface	1 x RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P;
Power Interface	DC005-2.0mm type (DC IN 12V)

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|-------------|------------------------|
| 1 — STANDBY | 6 — LAN |
| 2 — RS485 | 7 — 3G-SDI |
| 3 — POWER | 8 — USB2.0 |
| 4 — DC 12V | 9 — LINE IN / LINE OUT |
| 5 — Type-C | 10 — HDMI |

▼ Network Spec	
Video Compression	H.264 / H.265 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840x2160, 1920x1080, 1280x720 etc.
Second Stream Resolution	1920x1080, 1280x720, 1024x576 etc.
Video Bit Rate	32kbps~102400kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz: 1fps~50fps, 60Hz:1fps~60fps
Audio Compression	AAC、G711A
Sampling Rate	48KHz
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Protocols	NDI®HX2,SRT,TCP/IP, HTTP, RTSP, RTMP(s), Onvif,DHCP,GB/T 28181, Multicast, etc.

▼ USB Spec	
Operating System Supported	Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers
Color System / Compression	H.264 / MJPEG / YUY2
Video Format	YUY2: Max.1080P30 H.264 AVC: Max.2160P H.264 SVC: Max.2160P MJPEG: Max.2160P
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

▼ Generic Spec	
Input Voltage	DC 12V /PoE (802.3af)
Input Current	1A (Max.)
Operating Temperature	-10° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Dimension	145mm (W) x 76mm (D) x 78.5mm (H)

Interface Diagram

