

walogy

ATCx12 4K

Data-sheet



AIO design, allows you to immerse yourself into a new education experience.

4K UHD. Its large 2.5 inches CMOS sensor and 8.51M pixels let achieve 3840x2160 resolution and are backward compatible with 1080P and 720P resolutions.

Intelligent Tracking. Thanks to its two advanced sensors and tracking algorithms, the camera will be able to follow the teacher anywhere in the classroom, achieving smooth and natural movement.

Its **broadcast-quality lens** and high-quality mechanics create the perfect solution for e-learning productions.

A **wide range of Interfaces**, HDMI 2.0, 3G-SDI, USB3.0, IP, and NDI /SRT (Optional) allow meeting all needs in each situation. Even with 4 simultaneous HD streams on IP.

The **automatic modes**, let the camera work and adapt to any situation without technical knowledge. Even in the worst light conditions.

With its manual mode, the complex light conditions can be solved All this together with the low SNR sensor increment the image quality.

G-Sensor included, Auto flip function.

With its **Built-In array microphones** and its unique noise suppression algorithm, it is capable of picking up the sound up to 6 meters with the best speech quality.



Video Output

- 1x SD/HD/3G-SDI (75Ω BNC)
- 1x HDMI 2.0
- 1x USB 3.0
- 1x IP video

Audio Interfaces

- 1x 3.5mm Line In

Network Interface

- 1x RJ45 10/100/1000 Ethernet
- POE supported

Remote Control

- VISCA IP/RS232/RS485
- Pelco-D / Pelco-P

Specification

Close-up Camera

Video System	4K@30fps, 4K@25fps, 4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60fps, 1080I@50fps, 1080P@30fps, 1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps, 720P@59.94fps
Sensor	1/2.5", CMOS, Effective Pixel: 8.51M
Scanning Mode	Progressive
Lens	12x, f = 4.4mm ~ 52.8mm, F1.8 ~ F2.6
Digital zoom	16x
Minimal Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	71° ~ 82°
Vertical Angle of View	42.7° ~ 4.5°
Horizontal Rotation Range	±170°
Vertical Rotation Range	±30°
Pan Speed Range	1.61° ~ 75.56°/s
Tilt Speed Range	0.44° ~ 15°/s
H & V Flip	Support
Image Freeze	Support
Number of Preset	255
Preset Accuracy	0.1°

Panorama Camera

Video System	4K@30fps, 4K@25fps, 4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60fps, 1080I@50fps, 1080P@30fps, 1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps, 720P@59.94fps
Sensor	1/2.5", CMOS, Effective Pixel: 8.51M
Scanning Mode	Progressive
Lens Mount	M12 Mount
Lens Type one	f=8.2mm, H FOV 42°(default, changeable)
Lens Type two	f=3.24mm, H FOV 84°(default, changeable)
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, Specified color temperature
Digital Noise Reduction	2D, 3D digital noise reduction
Backlight Compensation	Support
Image Freeze	Support
H & V Flip	Support
USB Featured	
Operate System	Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux
Color System / Compression	YUV / H.264 / MJPEG / H.265/NV12 YUY2 : max 1080P@30fps H.264 AVC: max 2160P@30fps H.264 SVC: max 2160P@30fps MJPEG: max 2160P@30fps H.265: max 2160P@30fps
Video Format	
Audio on USB	Support
USB Video Communication Protocol	UVC 1.1-1.5
Dual Stream	Support
UVC PTZ	Support

Network Features

Video Compression	H.265/H.264/MJPEG
Video Stream	First Stream, Second Stream.
First Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576, etc.
Second Stream Resolution	3840x2160, 1920x1080, 1280x720, 1024x576, etc.
Video Bit Rate	32kbps~20480kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC, G711
Audio Bit Rate	48Kbps, 64Kbps, 96Kbps, 128Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, GB/T28181, Multicast, etc.

Input/Output Interface

HD Output	1xHDMI: Version 2.0 1x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
Network Interface	1xRJ45: 10M/100M/1000M Ethernet Interface, Support PoE power supply
Audio Interface	1-ch: Line In, 3.5mm Audio Interface
USB	1 xUSB 3.0, Type-B socket; 1 xUSB2.0, Type-A socket
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P 1xRS232 Out: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA network use only 1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P DC-005/Φ2.0 type (DC IN 12V)

Power Jack

Generic Specification

Input Voltage	DC 12V/PoE (802.3af)
Current Consumption	1.0A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	12W (Max)
MTBF	>30,000 Hours
Size	200mm x 150mm x 165mm
Net Weight	1.6Kg

Authorized Distributor: