

4K PTZ Camera (GK-Series)

Cyt-Fx4

The CytFx4 GK series 4K PTZ Camera offers perfect functions, superior performance and rich interfaces. Wide View Angle, Multi-protocols, Multiple Video Interfaces. The features include advanced ISP processing algorithms to provide vivid images with a strong sense of depth, high resolution, and fantastic colour rendition. It supports H.264/H.265 encoding which makes motion video fluent and clear even under less-than-ideal bandwidth conditions.



Features

Image & Video Performance

Equipped with a high-quality 1/2.8-inch CMOS sensor (8.42 MP)
Maximum resolution: 3840 × 2160 (Ultra HD 4K)
Frame rate: Up to 60 fps for smooth video output

Optical Zoom Options

Available in 12X and 20X optical zoom variants & 16x Digital Zoom
Delivers clear image capture for both short and long-distance applications

Advanced Auto Focus

Integrated with high-performance autofocus algorithms
Ensures fast, accurate, and stable focusing in dynamic environments

Low Noise & High Image Quality

Low-noise CMOS sensor for high signal-to-noise ratio (SNR)
Supports 2D & 3D noise reduction technologies
Maintains excellent clarity even in low-light conditions

Video Output Interfaces

Supports multiple outputs: HDMI, SDI, USB, and LAN (PoE+ optional)
SDI transmission up to 100 meters at 1080p@60fps

Compression Standards

Video: H.265 / H.264

Audio: AAC / G.711A

Supports up to 4K @ 60fps compression



Multi Function Ports

HDMI. 3.0 USB, LAN , 3G SDI ,RS232 IN & OUT , RS485 .Audio IN

Advanced Auto Focus & Auto Framing

Integrated with high-performance autofocus and autoframing algorithms, Ensures fast, accurate, and stable focusing in dynamic environments

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Real-time Tracking



Zone Tracking



Stage Tracking



Auto Framing

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Specifications

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Lance		12x	20x
Camera Parameter			
Optical Zoom		12Xf=4.15~90.2mm	20Xf=5.59~110mm
Sensor	1/2.8 inch high quality 4k CMOS sensor		
Effective Pixels	8.42M, 16: 9		
Video Format	HDMI video format.3840x2160/1920x1080P60/59.94/50/30/29.97/25;720P60/59.94/50 1080P60/50/30/25, 1080i60/50, 720P60/50,1080P59.94, 1080i59.94, 1080P29.97, 720P59.94, 720P29.97USB3.0 interface video formatMain Stream -YUY2/MJPEG/NV12/H.264/H.265:1920×1080P30,1280×720P30,1024×576P30,960×540P30,800×448P30,720×480P30,640×360P30, 640×480P30,320×176P30Sub Stream -YUY2/NV12: 640×360P30,640×480P30,320×176P30MJPEG/H.264/H.265: 1920×1080P30,1280×720P30,1024×576P30,960×540P30,800×448P30,720×480P30,640×360P30, 640×480P30,320×176P30		
View Angle		6.3° (tele) 83.7° (wide)	3.3° (tele) 55.7° (wide)
View Angle -Vertical		30.1° ~ 1.70°	34.1° ~ 1.89°
AV		F1.4 – F2.9	F1.6 – F3.5
Minimum Illumination	0.5Lux (F1.8, AGC ON)		
DNR	2D & 3D DNR		
White Balance	Auto / Manual/ One Push/ Specify color temperature		
Focus/Aperture/Electronic Shutter	Auto/Manual/One Push		
Exposure Mode	Auto/Manual/Shutter priority/Aperture priority/Brightness priority		
Aperture	F1.8~F11 CLOSE		
Shutter Speed	1/25~1/10000		
BLC	ON/OFF		
DRC	OFF/ Dynamic level adjustment		
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness; B/W mode, Gamma curve		
SNR	≥58dB		
Input/Output Interface			
Video Stream	Dual stream output		
Video Compression Format	LAN Interface: H.265, H.264, dual stream outputUSB3.0 Interface:Main stream supports YUY2/MJPEG/H.264/NV12/H.265;Sub stream supports YUY2/MJPEG/H.264/NV12		
Network Protocol	RTSP, RTMP, ONVIF, GB/T28181,VISCA OVER IP, IP VISCA, RTMPS, SRT,Support remote upgrade, reboot and reset		
Control Interface	RS232-IN, LAN		
Control Protocol	VISCA/Pelco-D/Pelco-P, Baud Rate: 115200/38400/9600/4800/2400bps		
Input Voltage	DC12V±10%		
White Balance – Presets	3000K / 3500K / 4000K / 4500K / 5000K / 5500K / 6000K / 6500K / 7000K		
Power Consumption	Maximum: 12W, Maxium: 1A		
Baud Rate	11520 / 9600 / 4800 / 2400		
PTZ Parameter			
Pan/Tilt Rotation	±170°, -30°~+90°		
Pan Control Speed	0.1 -100°/sec		
Tilt Control Speed	0.1-45°/sec (Broadcast / Professional Video), 1.7° ~ 70°/sec (Conference / Education) both as per requirement support inbuilt software		
Preset Speed	Pan: 100°/sec, Tilt: 45°,70°/sec		
Preset Number	255 presets (10 presets by remote controller)		
Other Parameter			
Stored Temperature	-10℃~+60℃		
Storage Humidity	20%~95%		
Working Temperature	-10℃~+50℃		
Working Humidity	20%~80%		
Dimension	181mmX115mmX149mm		
Weight	1.15KG		
Saftey	BIS ,CE,FCC,RoHS,(ISO9001:2015,14001:2015,45001:2018, 27001:2022 -IAF Certified)		
Accessory			
Package	Power Supply, RS232 control cable, USB3.0 connection cable, Remote Controller, User Manual		
Optional Accessories	Ceiling / Wall Mount (Extra Cost)		