



PTZ - HD Auto Tracking Camera

Una volta installata seguirà il vs. "bersaglio"

●All-in-One Design

All-in-One design, can output 5 channel HD video (3 channel for close-up camera, 2 channel for panorama camera) at the same time. both teacher tracking and student tracking are use the same device.

●Changeable Lens

Panorama camera can replace the lens, compatible M12 mount lens, easy to use for different size classroom.

●Adjustable Viewing Angle

Panorama camera can adjust viewing angle in vertical(-15° ~ 0°), convenient installation and debugging.

●High Efficient Tracking

Built-in image recognition and tracking algorithms, can be tracking realized without any auxiliary camera or tracking host.

●Same Image Style

Both panorama camera and close-up camera use the same ISP, make sure the image output have the same brightness, color, style, etc.

●Easy Configuration

Easy to make a configuration for tracking, direct connect by Ethernet, just need make some base parameters for configuration, large engineering debugging time and cost will be save.

●72.5° Wide-angle Lens + 16x Digital Zoom

Close-up camera use 72.5° wide-angle high quality lens, support 12x optical zoom, and 16x digital zoom (optional).

●H.265 Support

H.265 encoding support, enabling full HD 1080p video stream by ultra-low bandwidth.

●1080P Full HD

Apply Panasonic's 1/2.7 inch, 2.07 million effective pixels high quality HD CMOS sensor, can reach maximum 1920 x 1080 high resolution and achieve quality image.

●Ultra-high Frame Rate

The output frame rate up to 60fps in 1080P.

●AAC Audio Encoding

Close-up camera support AAC audio encoding, better sound quality and smaller bandwidth.

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●Local Storage

Close-up camera support local storage module, directly recording to local USB flash disk without NVR.

Video System	1080p, 720p
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens	12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8
Digital Zoom	16x (optional)
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	2D&3D Digital Noise Reduction
Video S/N	≥55dB
Horizontal Angle of View	72.5° ~ 6.9°
Vertical Angle of View	44.8° ~ 3.9°
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Support
Image Freeze	Support
Local Storage	Support
Number of Preset	255
Preset Accuracy	0.1°
Panorama Camera	
Video System	1080p/60, 1080p/50, 1080i/60, 1080i/50, 1080p/30, 1080p/25, 720p/60, 720p/50, 720p/30, 720p/25
Sensor	1/2.7", CMOS, Effective Pixel: 2.07M
Scanning Mode	Progressive
Lens Mount	M12 Mount
Teacher Panorama Lens	f=6mm, F1.8, AoV about 60°(default, changeable)
Student Panorama Lens	f=3.6mm, F1.8, AoV about 95° (default, changeable)
Minimal Illumination	0.05 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Auto, 3000K/Indoor, 4000K, 5000K/Outdoor, 6500K_1, 6500K_2, 6500K_3, One Push, Manual
Digital Noise Reduction	2D, 3D digital noise reduction
Backlight Compensation	Support
Image Freeze	Support
H & V Flip	Support
Network Features	

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Video Compression	H.265 / H.264 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	1920x1080, 1280x720, 1024x576
Second Stream Resolution	720x576, 720x480, 320x240
Video Bit Rate	128Kbps ~ 8192Kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps, 256Kbps
Support protocols	TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.
Input/Output Interface	
HD Output	1xHDMI: Version 1.3
	2x3G-SDI: BNC type, 800mVp-p, 75Ω, Along to SMPTE 424M standard
Network Interface	2xRJ45: 10M/100M Ethernet Interface
Audio Interface	1-ch: 3.5mm Audio Interface, Line In
USB	1xUSB2.0: Type A female jack
Communication Interface	1xRS232 In: 8pin Min DIN, Max Distance: 30m, Protocol: VISCA/Pelco-D/Pelco-P
	2xRS232 Out: 8pin Min DIN, Max Distance: 30m
	1xRS485: 2pin Phoenix Port, Max Distance: 1200m, Protocol: VISCA/Pelco-D/Pelco-P
Power Jack	JEITA type (DC IN 12V)
Generic Specification	
Input Voltage	DC 12V
Current Consumption	1.5A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	18W (Max)
MTBF	>30000h
Size	240mm x 144mm x 200mm
Net Weight	2.0Kg