

VX800I

4K Dual-lens Auto Tracking PTZ Camera

4K / 71° Wide-angle Lens / Abundant Interfaces / H.265



Product Features

- 4K UHD**
 1/2.5-inch UHD CMOS sensor with up to 8.51 megapixels offers 4K (3840x2160) UHD images. Moreover, it's downward compatible with 1080P, 720P and other resolutions.
- Integration Design**
 The All-in-one integration outputs multiple panoramic and close-up HD videos.
- Intelligent Auto Tracking**
 The leading built-in image recognition and tracking algorithms offer smooth tracking without any auxiliary positioning camera or tracking device; various cameras can be mounted to meet the tracking requirements of different scenarios.
- Adjustable Lens View Angle**
 The lens view angle of panoramic camera can be regulated up and down (-15° ~ 15°) for convenient engineering installation and commissioning.
- H.265**
 The UHD tracking camera supporting H.265 offers ultra-low broadband transmission of UHD 4K content.

- 71° Wide-angle Lens + 12x Optical Zoom**
 The exclusively customized high-quality 4K ultra-wide-angle lenses with a real ultra-high resolution of 8 megapixels offer a 12x optical zoom and a Horizontal FOV of up to 71°.
- Multiple Interfaces**
 HDMI2.0 HD output supported; 3G-SDI interface is provided for effective transmission distance up to 150 m (1080p30). HDMI, 3G-SDI, USB3.0 and LAN able to output 4 HD digital signals simultaneously.
- Built-in Gravity Sensor¹**
 Automatic image rotation supported for easy installation.
- Built-in Microphone**
 The built-in microphone array offers omnidirectional pickup within an effective range up to 6m. The proprietary noise suppression algorithm helps record voice perfectly.

Remark:
 1. This function is optional.

Product Specifications

Close-Up Camera

Signal System	4K/30, 4K/25, 4K/29.97, 1080p/30, 1080p/25, 1080p/29.97
Sensor	1/2.5 inches, CMOS, Effective Pixels:8.51 Megapixels
Scanning Mode	Progressive
Focal length	12x, f=4.4mm ~ 52.8mm, F1.8 ~ F2.6
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1s~1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Backlight Compensation	Support
Digital Noise Reduction	2D & 3D Digital Noise Reduction
SNR	≥ 55dB
Horizontal FOV	71° ~ 8.2°
Vertical FOV	42.7° ~ 4.5°
Pan Angle	±170°
Tilt Angle	±30°
Pan Speed	1.61~75.56° /s
Tilt Speed	0.44~15 /s
Image Flip	Support
Image Freeze	Support
Preset Position	255
Preset Accuracy	0.1°

Panoramic Camera

Signal System	4K/30, 4K/29.97, 4K/25, 1080p/60, 1080p/59.94, 1080p/50, 1080i/60, 1080i/59.94, 1080i/50, 1080p/30, 1080p/29.97, 720p/60, 720p/59.94
Sensor	1/2.5 inches, CMOS, Effective Pixels: 8.51 Megapixels
Scanning Mode	Progressive
LensInterface	M12 LensInterface
Lens I	Focal length: f=8.0mm, Horizontal FOV: 48°
Lens II	Focal length: f=3.24mm, Horizontal FOV: 84°
Lens III	Focal length: f=2.8mm, Horizontal FOV: 110°
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1s~1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual, VAR
Digital Noise Reduction	2D, 3D Digital Noise Reduction
Backlight Compensation Image Freeze	Support
Image Flip	Support

Network Features

Video Compression	H.264 / MJPEG / H.265
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 ~ 51200Kbps
Bit Rate Control	VBR, CBR
Frame Rate	50Hz:1fps~25fps; 60Hz:1fps~30fps
Audio Compression	AAC, G711A
Audio Bit Rate	96kbps, 128kbps, 256kbps
Protocols	TCP/IP, HTTP, RTSP, RTMP/RTMPS, Onvif, DHCP, SRT, GB/T 28181, NDI [®] /HX2, multicast, etc.

USB Features

Operating System Supported	Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS X, Linux
Color System / Compression	YUV / H.264 / MJPEG / NV12 / H.265
Video Format	YUY2 : Max. 1080P/30; H.264 AVC: Max. 2160P/30; H.264 SVC: Max. 2160P/30; H.265: Max. 2160P/30; MJPEG: Max. 2160P/30
USB Audio	Support
USB Video Communication Protocol	UVC 1.1 ~ UVC 1.5
Dual Streams, UVC PTZ Control	Support

Interfaces

HD Output	1x HDMI, Version 2.0; 1x 3G-SDI: BNC, 800mVp-p, 75Ω, as per SMPTE 424M standard
Network interface	1x RJ45: 10M / 100M / 1000M adaptive Ethernet; PoE supported
Audio Interface	1x LINE In: 3.5mm Jack
USB Interface	1x USB 3.0: Type-B ; 1x USB2.0: Type-A
Control Interface	1 x RS485: 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 1 x RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only
Power Interface	1x DC-005/Φ2.0 type (DC IN 12V)

General Specifications

Input Voltage	DC 12V/PoE (802.3af)
Input Current	1.25A (Max.)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Consumption	15W (Max.)
Dimension	200mm x150mm x 165mm
Net Weight	1.73Kg