



VX800I
Integrated UHD tracking camera

Teaching and conference tracking camera
panorama + close-up

4K UHD, The New generation ISP

Main Features	<ul style="list-style-type: none"> ●All-in-One Design Integrated design, can output panoramic and close-up multi-channel HD video at the same time. ●Intelligent Tracking Built-in leading image recognition and tracking algorithms, without any auxiliary positioning camera or tracking host, to achieve smooth and natural tracking effect, different cameras are assembled before production, thus realizing tracking requirements in various scenarios. ●Adjustable Viewing Angle Panorama camera can adjust viewing angle in vertical(15° ~ 0°), so as to convenient for installation and degugging. ●71 ° wide-angle lens + 12x optical zoom Exclusive custom high-quality true 8 million ultra-high-resolution 4K ultra-wide-angle lens with 12x optical zoom and horizontal field of view up to 71 °. ●H.265 encoding H.265-encoded ultra-high-definition tracking camera, which can realize ultra-high-definition 4K ultra-low-bandwidth transmission ●Multiple interfaces It supports HDMI2.0 high-definition output, and it is also equipped with a 3G-SDI interface. The effective transmission distance is up to 150 meters (1080p30). HDMI, 3G-SDI, USB3.0, LAN can output 4 HD digital signals at the same time ●Built-in G-sensor Support automatic image flip function, convenient for engineering installation ●4K UHD Using a 1 / 2.5 inch high-quality UHD CMOS sensor with a maximum size of 8.51 million pixels, it can achieve 4K (3840x2160) high-resolution high-quality images. And backward compatible with multiple resolutions such as 1080P, 720P ●Built-in microphone Built-in microphone array, omnidirectional pickup, pickup distance up to 6 meters, unique noise suppression algorithm, perfect speech presentation
----------------------	---

Model	VHD-VX800I
--------------	------------

Name	All-in-One UHD Tracking Camera
-------------	--------------------------------

Close-up camera	
------------------------	--

Video System	4K@30fps, 4K@25fps, 4K@29.97fps, 1080P@60fps, 1080P@50fps, 1080I@60fps, 1080I@50fp, 1080P@30fps, 1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps, 720P@59.94fps
Sensor	1/2.5", CMOS, Effective Pixel: 851M
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	1s ~ 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° ~ 8.2°
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@50fp, 1080P@30fps, 1080P@59.94fps, 1080I@59.94fps, 1080P@29.97fps, 720P@60fps, 720P@59.94fps
Sensor	1/2.5", CMOS, Effective Pixel: 851M
Scanning Mode	Progressive
Lens Mount	M12 Mount
Lens Type one	f=8mm, H FOV 48°(default, changeable)
Lens Type two	f=3.24mm, H FOV 84°(default, changeable)
Lens Type three	f=2.8mm, H FOV 110°(default, changeable)
Minimal Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1s ~ 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, Windows 10, Mac OS X, Linux, etc.
Color System / Compression	YUV / H.264 / MJPEG /H.265/NV12
Video Format	YUY2 : max 1080P@30fps H.264 AVC: max 2160P@30fps H.264 SVC: max 2160P@30fps MJPEG: max 2160P@30fps H.265: max2160P@30fps
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~51200kbps
Bit Rate Type	Variable Rate, Fixed Rate
Frame Rate	50Hz: 1fps ~ 50fps, 60Hz: 1fps ~ 60fps
Audio Compression	AAC、G711A
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
Power Jack	DC-005/Φ2.0 type (DC IN 12V)
Generic Specification	
Input Voltage	DC 12V/PoE (802.3af)
Current Consumption	1.25A (Max)
Operating Temperature	-10°C ~ 40°C (14°F ~ 104°F)
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Power Consumption	15W (Max)
MTBF	>30000小时
Size	200mm x 150mm x 165mm
Net Weight	1.73Kg
Picture	

