

YHD

HDR10 4K UHD PTZ Camera

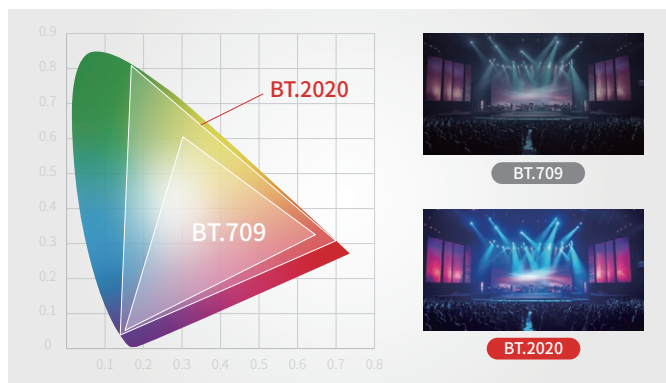
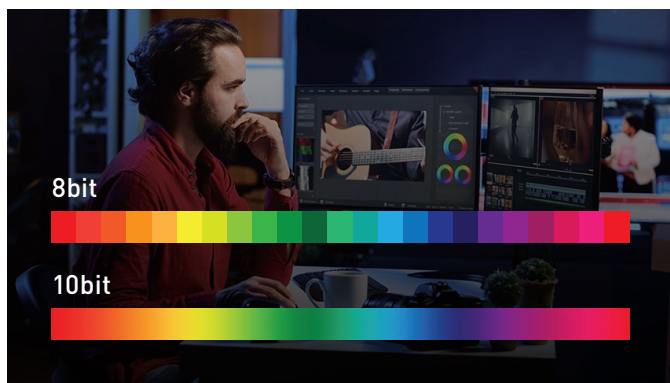
VX720L



As a revolution of Pro AV camera, VX720L camera integrates 10-bit color depth and BT2020 wide color gamut technology, delivering images with exceptionally rich details and stunning effects. Featuring a 50MP sensor and a 20X optical lens, it captures intricate details, from the nuanced expressions of educators in online classes to the intricate paths of light particles on stage. Enhanced with AI-driven intelligent tracking, it effortlessly tracks fast-moving subjects, excelling in complex shooting scenarios like live broadcasting, virtual meetings, educational settings, and remote command operations, ensuring every frame is captured with precision.

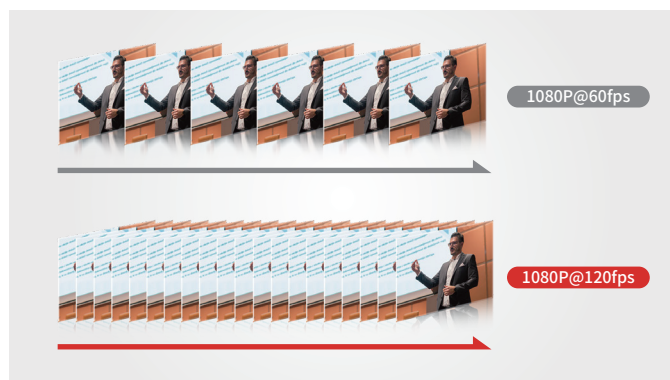
HDR10: A Comprehensive Revolution in Lighting and Color

BT.2020 Wide Color Gamut, Defining the Color World



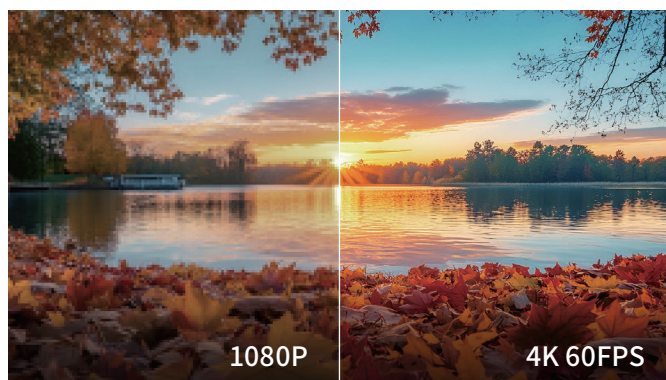
Supporting the BT.2020 color standard, which doubles the color gamut range compared to BT.709, this technology offers a more realistic representation of light and dark contrasts. It can depict colors that are closer to human perception, with light and dark contrasts that more accurately reflect the real world, defining the colors of the future.

120fps for High-speed motion capture



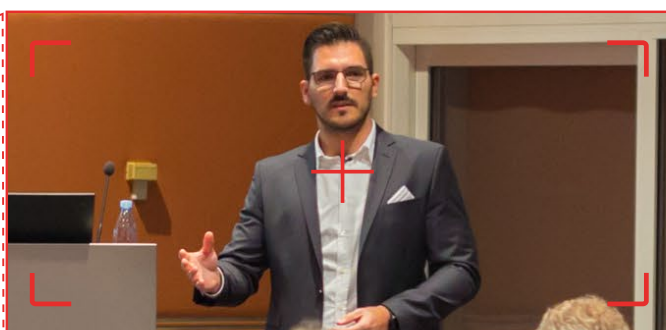
Supporting 1080P@120fps high-frame-rate video, the VX720L effortlessly and clearly captures the details of fast-moving objects. During slow-motion playback, the footage is smooth and stutter-free, delivering a visually stunning and highly immersive viewing experience.

50MP for superior image performance



Equipped with a new generation 1/1.55" high-quality CMOS sensor, boasting 50 megapixels, VX720L achieves broadcast-grade production levels in both detail presentation and color restoration. It supports 4K@60fps output and is backward compatible with 1080P, 720P, and other multi-resolutions, catering to the needs of high-precision shooting scenarios.

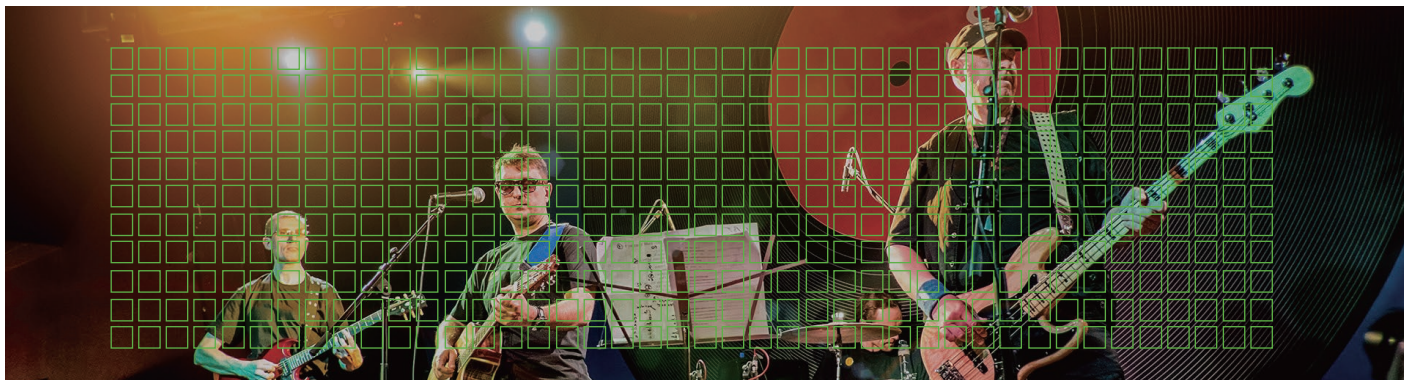
20X for Crystal Clear at Any Distance



20x Optical Zoom

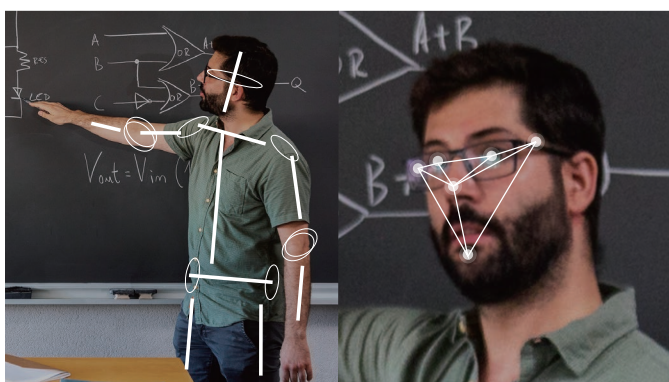
Equipped with an ultra-high-resolution 4K super-telephoto lens and a 60° wide-angle view, combined with a highly mechanical gimbal, the VX720L captures the entire scene with remarkable clarity. The 20x optical zoom capability allows for rapid focusing on target details, delivering a rich and immersive visual experience.

CDAF+PDAF Hybrid Focus System



With built-in PDAF (phase detection autofocus) technology, achieve rapid focusing. Even with changing light or fast-moving subjects, the image remains sharp and clear, ensuring every significant moment is captured with precision and clarity.

AI Smart Tracking with Zero Operator



Featuring proprietary ReID and FaceID AI algorithms, the camera precisely identifies and focuses on subjects based on skeletal structure, body shape, posture, and clothing. Even in complex environments, it accurately tracks and captures moving targets, keeping them in clear focus and at the center of the frame.

Multiple interfaces for various application



This camera features HDMI, 3G-SDI, USB, and network ports, allowing for simultaneous high-definition digital signal output. It supports control via RS422, RS485, network, and USB, making it versatile for applications in virtual studios, worship live streaming, educational settings, and remote teaching.

Built-in Filter Mount for One-Touch Switching



The camera body features a pre-installed filter mount, compatible with Neutral Density (ND) and Circular Polarizing (CPL) filters for immediate use. With a single touch, effortlessly address issues like strong light overexposure and reflective interference, easily achieving dynamic light and shadow control along with color depth optimization. Even photography beginners can capture cinematic-quality footage.

Front and Rear Tally for Real-Time Alerts



The camera is equipped with adjustable brightness Tally lights on both the front and rear, displaying the camera's working status in real time (such as standby or recording). The subject being filmed can see the front light to know if they are in the frame, while the photographer can quickly confirm the device status through the rear light, enhancing team collaboration efficiency.

VX720L Specification >>>

▼ Camera

Signal System	HDMI: 4KP60、4KP50、4KP30、4KP25、4KP59.94、4KP29.97、1080P120、1080P60、1080P50、1080P59.94、1080P30、1080P29.97、720P60、720P59.94 3G-SDI: 1080P60、1080P50、1080P30、1080P29.97、1080P59.94、1080P25、1080I60、1080I50、1080I59.94、720P60、720P59.94
Sensor	1/1.55", CMOS, Total pixel: 50MP
Scanning model	Progressive
Lens	20X, f=6.55~126mm, F1.8~4.5
Digital Zoom	16X
Minimum Illumination	0.5Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
White Balance	Automatic, Indoor, Outdoor, One-Key Operation, Manual, Specified Color Temperature
Backlight Compensation	Support
Digital Noise Reduction	3D Digital Noise Reduction
SNR	≥ 55dB
Horizontal FoV	60.5° ~3.49°
Vertical FoV	36.6° ~ 1.99°
Tilt Aange	±170°
Pan Aange	-30° ~ +90°
Pan Speed Range	1.7° ~100° /S
Tilt Speed Range	1.7° ~69.9° /S
Horizontal Flip & Vertical Flip	Support
Image Freeze	Support
PoE+	Support
Preset Positions Number	255
Preset Position Accuracy	0.1°

▼ USB

Support Operating System	Windows8, Windows10, Windows11, MacOSX, Linux2.4.6 And Later Versions, Android Versions That Include UVC-Related Driver Programs
Color Space Compression	YUY2/H.264/MJPEG
Video Format	YUY2: Upto 1080P30 H.264: Upto 4KP60 MJPEG: Upto 4KP60
USB Audio	Support
USB Video Communication Protocol	UVC 1.1
UVC PTZ Control	Support

▼ Network

Video Compression	H.264 / H.265 / MJPEG
Video Stream	First Stream, Second Stream
First Stream Resolution	3840*2160、1920*1080、1280*720、1024*576、720*480、720*408、640*480、640*360
Second Stream Resolution	720*480、720*408、640*480、640*360、480*320、320*240
Bit Rate	First Stream: 32kbps~51200kbps Second Stream: 32kbps~20480kbps
Bit Rate Control	Variable Bit Rate, Fixed Bit Rate
Frequency	50Hz: 1fps~50fps, 60Hz: 1fps~60fps
Audio Compression	AAC
Audio Bit Rate	96Kbps, 128Kbps
Support Protocols	NDI6、TCP/IP、HTTP、RTSP、RTMP、ONVIF、DHCP、SRT、Multicast and etc.

▼ Input / Output Interface

HD Output	1x HDMI: 2.0; 1x 3G-SDI: BNC type, 800mVp-p, 75Ω, Comply with SMPTE 424M standard;
Network Interface	1x LAN: 10M/100M/1000Mbps adaptive ethernet
USB Interface	1x USB2.0, Type-A, Host Interface 1x USB3.0, Type-C(for audio and video signal transmission)
Audio Interface	1x Line in: 3.5mm Audio Interface; 1x Line out: 3.5mm Audio Interface;
Communication Interface	1x RS422 IN/RS485: RJ45, VISCA/Pelco-D/Pelco-P protocol 1x RS422 OUT: RJ45, VISCA/Pelco-D/Pelco-P protocol
SD Card	1 Micro SD
RESTORE Button	Support
Power Interface	JEITA type (DC IN 12V)

▼ Generic

Input Voltage	DC 12V/PoE+ (802.3at)
Input Current	2A
Working Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Dimension	170mm*196mm*228mm
Net Weight	2.3kilograms



A-SHARE Listed Company

VHD, listed on the Shenzhen Stock Exchange GEM in August 2022 with stock code 301318, is a leading OEM&ODM manufacturer and A/V solution provider.



Independently Owned Supply Chain

VHD offers clients a comprehensive, one-stop service that encompasses everything from product design and development to injection molding, assembly, quality control, testing, logistics, and after sales support. Moreover, with its own manufacturing facility, VHD ensures a consistent and dependable supply chain, significantly cutting costs and delivering superior products at competitive prices.



AUDIO/VIDEO Expertise

VHD has been specialized in Audio/Video since year 2008, and committed to independent development and continuous innovation is research and development. We strive to enhance our products, technologies and services, and have comprehensive experience in the core algorithms and technologies of the Audio and Video.



Well-developed After-sales Support System

VHD has set up five major marketing centers around the world, with more than 30 after-sales service outlets. We provides 5*12 hour telephone service support, as well as online and off-line technical support to comprehensively ensure the user experience.

ValueHD Corporation

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Website