

# VX751BA

## 4KP60 UHD PTZ Camera

4KP60 UHD / NDI®|HX2 Protocol / 80.8° Ultra-Wide Angle / AI Tracking



### Product Features

- Compatible with NDI®|HX2 Protocol**  
 NDI is ideal for broadcasting including broadcast studios, live broadcast, gymnasiums, arenas, churches and lecture halls, thanks to its high SNR and ultra-low latency.
- 4KP60 UHD**  
 1/2.8-inch UHD CMOS sensor with up to 8.40 megapixels offers 4K (3840x2160) UHD images. Moreover, it's downward compatible with 1080P, 720P and other resolutions.
- Low Light**  
 The application of 3D noise reduction algorithm greatly reduces image noise. Even under the condition of ultra-low illumination, it still keep the picture clean and clear, and the SNR of image is as high as 55dB.
- HDMI 2.0**  
 HDMI 2.0 supported; direct output of uncompressed 4K digital videos is available.
- AI Tracking**  
 Embedded NPU hardware uses the deep learning technology to extract the target's characteristics and allow smooth face tracking, no matter where the face is facing. The product is applicable to automatic tracking of speakers in lecture and presentation.
- 12x Optical Zoom**  
 4K UHD lens with effective resolution of 8 megapixels, 12x optical zoom and FOV angle of up to 80.8°.
- Multiple Interfaces**  
 It supports HDMI 2.0 FHD output, and also equipped with 3G-SDI interface, the effective transmission distance up to 150 meters (1080P30). HDMI, USB 3.0, LAN can simultaneously output 3 channels of high-definition digital signals.
- Smart Exposure**  
 The effects of projectors, TV and other devices on the people can be effectively resolved.
- Built-in Gravity Sensor**  
 Automatic image rotation supported for easy installation.
- Remote Control**  
 Through the LAN, RS232 and RS485 serial ports, the camera can be controlled remotely.

### Product Specifications

#### Camera

Video Resolution	<b>HDMI:</b> 4KP60, 4KP59.94, 4KP50, 4KP30, 4KP29.97, 4KP25, 1080P60, 1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080P25, 1080I60, 1080I59.94, 1080I50, 1080I29.97, 720P60, 720P50, 720P30, 720P25 <b>3G-SDI:</b> 1080P60, 1080P59.94, 1080P50, 1080P30, 1080P29.97, 1080P25, 1080I60, 1080I59.94, 1080I50, 1080I29.97, 720P60, 720P50
Sensor	1/2.8 inches, CMOS, Effective Pixels: 8.40 Megapixels
Scanning Mode	Progressive
Focal length	12x, f = 3.47mm ~41.65mm, F 1.84 ~ F 3.72
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter Speed	1/30s ~ 1/10000s
White Balance	Auto, Indoor, Outdoor, One Push, Manual
Backlight Compensation	Support
Digital Noise Reduction	3D Digital Noise Reduction
S/N Ratio	≥ 55dB
Horizontal FOV	80.8° ~ 7.5°
Vertical FOV	49.9° ~ 4.3°
Pan Angle	±162.5°
Tilt Angle	-30° ~ +90°
Pan Speed	1.7° ~ 100° /S
Tilt Speed	1.7° ~ 69.9° /S
Image Flip	Support
Image Freeze	Support
PoE+	Support
Preset Position	255
Preset Accuracy	0.1°

#### USB Features

Operating System Supported	Windows 7, Windows 8, Windows 10, Mac OS X, Linux, Android
Color System / Compression	YUY2 / H.264 / MJPEG / H.265
Video Format	YUY2 : Max. 1080P/30; H.264 AVC: Max. 2160P/30; H.265 HEVC: Max. 2160P/30; MJPEG: Max. 2160P/30
USB Audio	Support
USB video Communication Protocol	UVC 1.1~1.5
UVC PTZ Control	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	720x576, 720x480, 320x240 etc.
Video Bit Rate	32kbps~51200kbps
Bit Rate Control	Variable Bit Rate; Constant Bit Rate
Frame Rate	50Hz:1fps~50fps, 60Hz:1fps~60fps
Audio Compression	AAC, G711A
Audio Bit Rate	64Kbps, 96Kbps, 128Kbps
Protocol	NDI® HX2, TCP/IP, HTTP, RTSP, RTMP, Onvif, DHCP, Multicast, etc.
Control Protocol	NDI® PTZ, VISCA Over IP

#### I/O Interface

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
Audio Interface	1x LINE IN: 3.5mm Jack
USB Interface	1x USB3.0, type-C type
Control Interface	1 x RS485: 3pin 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	JEITA type (DC IN 12V)

#### General Specifications

Input Voltage	DC 12V / PoE+ (802.3at)
Operating Temperature	0° C ~ 40° C
Storage Temperature	-40° C ~ 60° C
Power Switch/ Recovery key/ IR Remote Input	Support
Indicator lamp	Power State, Run State, TALLY Lamp
Power Consumption	18W (Max.)
Dimensions	223 x 154.8 x 165 (mm)
Net Weight	About 1.8kg