# B27-XL AI Tracking PTZ Broadcast Camera

SKU: 0200127-XL          EAN:

**Edis**

## FEATUES

● 1080P Full HD

Adopt 1/2.8-inch, 2.07 million effective pixel HD CMOS sensor, with a maximum resolution of 1920×1080. High-quality optical zoom + HD lens, B27-XL-20: equipped with full HD telephoto lens, maximum 20x optical zoom, horizontal field of view 60.7°. B27-XL-12: equipped with full HD wide-angle lens, supports classic 12x optical zoom, horizontal field of view 72.5°. B27-XL-30: adopts high-quality ultra-high resolution full HD telephoto lens, maximum 30x optical zoom, horizontal field of view 60.7°.

● ISP image processing algorithm

Use ISP image processing algorithm to enhance white balance and automatic exposure functions, greatly improving the image output effect of the camera. Widely used in education recording, distance education, video conferencing, live broadcast, broadcasting and other industries.

● Autofocus

The lens adopts advanced focus algorithm, focusing quickly, accurately and stably.All Edis IP-connected broadcast cameras include IP streaming capabilities with both video and audio.Once the camera is connected to your network, you can log into the GUI interface with any web-browser to setup the RTSP or RTMP streaming settings. In addition, audio can be embedded via the 3.5 mm audio input.

● Human tracking

Equipped with self-developed ReID technology, it can identify the speaker's body shape, appearance and clothing. As the speaker moves around the room, the camera automatically tracks to ensure that the target remains centered. Even if there is interference or the speaker exits the picture, the camera can quickly recapture and track when re-entering.



## SPECIFICATION

| Model | B27-XL-20 | B27-XL-12 | B27-XL-30 |
|---|---|---|---|
| Lens | 20x, f4.42mm ~ 88.5mm, F1.8 ~ F2.8 | 12x, f3.5mm ~ 42.3mm, F1.8 ~ F2.8 | 30x, f4.42mm ~ 132.6mm, F1.8 ~ F2.8 |
| Horizontal FOV | 60.7° ~ 3.36° | 72.5° ~ 6.9° | 60.7° ~ 2.28° |
| Vertical FOV | 34.1° ~ 1.89° | 44.8° ~ 3.9° | 34.1° ~ 1.28° |
| HD Output | 1 x HDMI: Version 1.3; 1 x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard | 1 x HDMI: Version 1.3; 1 x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard | 1 x HDMI: Version 1.3; 1 x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard |
| Protocols | FULL NDI, NDI|HX2, TCP/IP, HTTP, RTSP, RTMP, RTMP(s), Onvif, DHCP, Multicast, ,SRT,GB/T28181 etc. | FULL NDI, NDI|HX2, TCP/IP, HTTP, RTSP, RTMP, RTMP(s), Onvif, DHCP, Multicast, ,SRT,GB/T28181 etc. | FULL NDI, NDI|HX2, TCP/IP, HTTP, RTSP, RTMP, RTMP(s), Onvif, DHCP, Multicast, ,SRT,GB/T28181 etc. |

# SPECIFICATION

### Camera Spec

| | |
|---|---|
| Signal System | HDMI、3G-SDI:1080P60，1080P59.94，1080P50，1080I60，1080I59.94，1080I50，1080P30，1080P29.97，1080P25，720P60，720P59.94，720P50 |
| Sensor | 1/2.8 inches, CMOS, Effective Pixels: 2.07 Megapixels |
| Scanning Mode | Progressive |
| Digital Zoom | 16× |
| Minimum Illumination | 0.5Lux @ (F1.8, AGC ON) |
| Shutter | 1/30s ~ 1/10000s |
| White Balance | Auto, Indoor, Outdoor, One Push, Manual, VAR |
| Backlight Compensation | Support |
| Digital Noise Reduction | 2D&3D Digital Noise Reduction |
| SNR | ≥ 55dB |
| Pan Angle | ±170° |
| Tilt Angle | -30° ~ +90° |
| Pan Speed | 1.7° ~ 100° /s |
| Tilt Speed | 1.7° ~ 69.9° /s |
| Image Flip | Support |
| Image Freeze | Support |
| Preset Position | 255 |
| Preset Accuracy | 0.1° |

### Audio

| | |
|---|---|
| Microphone Array | Built-in dual microphones, 100Hz to 16KHz frequency response. |
| Analog Audio Input/Output | Support 3.5mm Line-In; Support 3.5mm Line-Out |
| Digital Audio Output | Support HDMI, USB, LAN, 3G-SDI etc |

### I/O

| | |
|---|---|
| Audio Interface | 1 x Line In, 3.5mm Jack；1 x Line Out, 3.5mm Jack |
| Control Interface | 1 x RS485: 2pin phoenix port, Max Distance:1200m, Protocol: VISCA / Pelco-D / Pelco-P;<br><br>1 x RS232 IN: 8pin Mini DIN, Max Distance: 30m,Protocol: VISCA / Pelco-D / Pelco-P;<br><br>1 x RS232 OUT: 8pin Mini DIN, Max Distance:30m, Protocol: VISCA only |
| Power Interface | JEITA type（DC IN 12V） |

### Network Spec

| | |
|---|---|
| Video Compression | H.264 / MJPEG |
| Video Stream | First Stream, Second Stream |
| First Stream Resolution | 1920x1080, 1280x720, 1024x576 etc. |
| Second Stream Resolution | 1280x720,1024x576,720x576 etc. |
| Video Bit Rate | 32kbps~20480kbps |
| Bit Rate Control | VBR, CBR |
| Frame Rate | 1fps ~ 60fps |
| Audio Compression | AAC |
| Audio Bit Rate | 96Kbps，128Kbps，256Kbps |

### USB Spec

| | |
|---|---|
| Operating System Supported | Windows 7 (only supports UVC1.1 features), Windows 8 and above version, Mac OS X, Linux 2.4.6 and above version, Android needs to include the version of UVC-related drivers |
| Color System /Compression | YUY2 / H.264 / MJPEG |
| Video Format | Support a variety of different frame rates and resolution video formats, up to 1080p60 YUY2 output |
| USB Audio | 32K Sampling Rate，Support UAC2.0 |
| USB Video Communication Protocol | UVC 1.1~1.5 |
| UVC PTZ Control | Support |
| **Generic Spec** | |
| Input Voltage | DC 12V / PoE+（802.3at） |
| Input Current | 1.5 A（Max.） |
| Operating Temperature | 0° C ~ 40° C |
| Storage Temperature | -40° C ~ 60° C |
| Power Consumption | 15W（Max.） |
| Dimension | 142mm (W)×169mm (D)×175mm (H) |
| Net Weight | 1.5kg |