

KT-BC10HZ

25X 1/1.8-inch Broadcast Grade PTZ Camera

4K60fps

25X Optical Zoom

8400K pixels

Electronic Image Stabilization

NDI®|HX

Full NDI

HDMI+LAN+SDI+GEN-LOCK

12G SDI

Fiber(SFP28)



Features

■ 4K Ultra HD Output:

Applied Sony full module lens, 8.4 million effective pixels 1/1.8-inch high-quality CMOS, it can achieve maximum 4K60 ultra-high-definition resolution broadcast and image output, and even larger scene recording.

■ 25X Optical Zoom Lens:

Equipped with a 25x ultra-high-definition optical lens and supporting the mainstream horizontal viewing angle of 59.2°, it can meet the needs of more scenes such as video conferencing in large auditoriums and blackboard writing in lecture theaters to restore true details.

■ HDMI+LAN+SDI+GEN-LOCK+SFP28 Interfaces, diverse application scenarios:

A rich array of video output interfaces including 3G-SDI, 12G-SDI, LAN, HDMI, and SFP28 optical module outputs. HDMI+12G-SDI+LAN+SFP28 can simultaneously output 4Kp60

resolution. The synchronous Gen-Lock interface enables multiple cameras to capture and transmit video using the same clock signal, achieving video synchronization.

■ Low Light:

The new ultra-high signal-to-noise ratio CMOS image sensor can effectively reduce image noise under low-light conditions. At the same time, 2D & 3D digital noise reduction is applied to significantly reduce image noise. Even under ultra-low light conditions, the image can still be kept clean and clear, and the image signal-to-noise ratio is higher than 50dB.

■ Infrared Remote Control Signal Transparent Transmission Function:

In addition to receiving its own infrared remote control signals, it can also receive signals from user's infrared remote control and send them to the video conferencing terminal through the VISCA port.

■ Multiple Video Compression Standards:

Different interfaces support multiple video compression formats such as YUY2, H.265, MJPG, and H.264.

■ Multiple Network Protocols:

Supports ONVIF, SRT, RTSP, RTMP, NDI®/HX, FULL NDI(optional) and other network protocols.

■ Multiple Control Protocols:

Supports VISCA (including VISCA Over IP), PELCO P/D, NDI® protocols, and automatically identifies protocols.

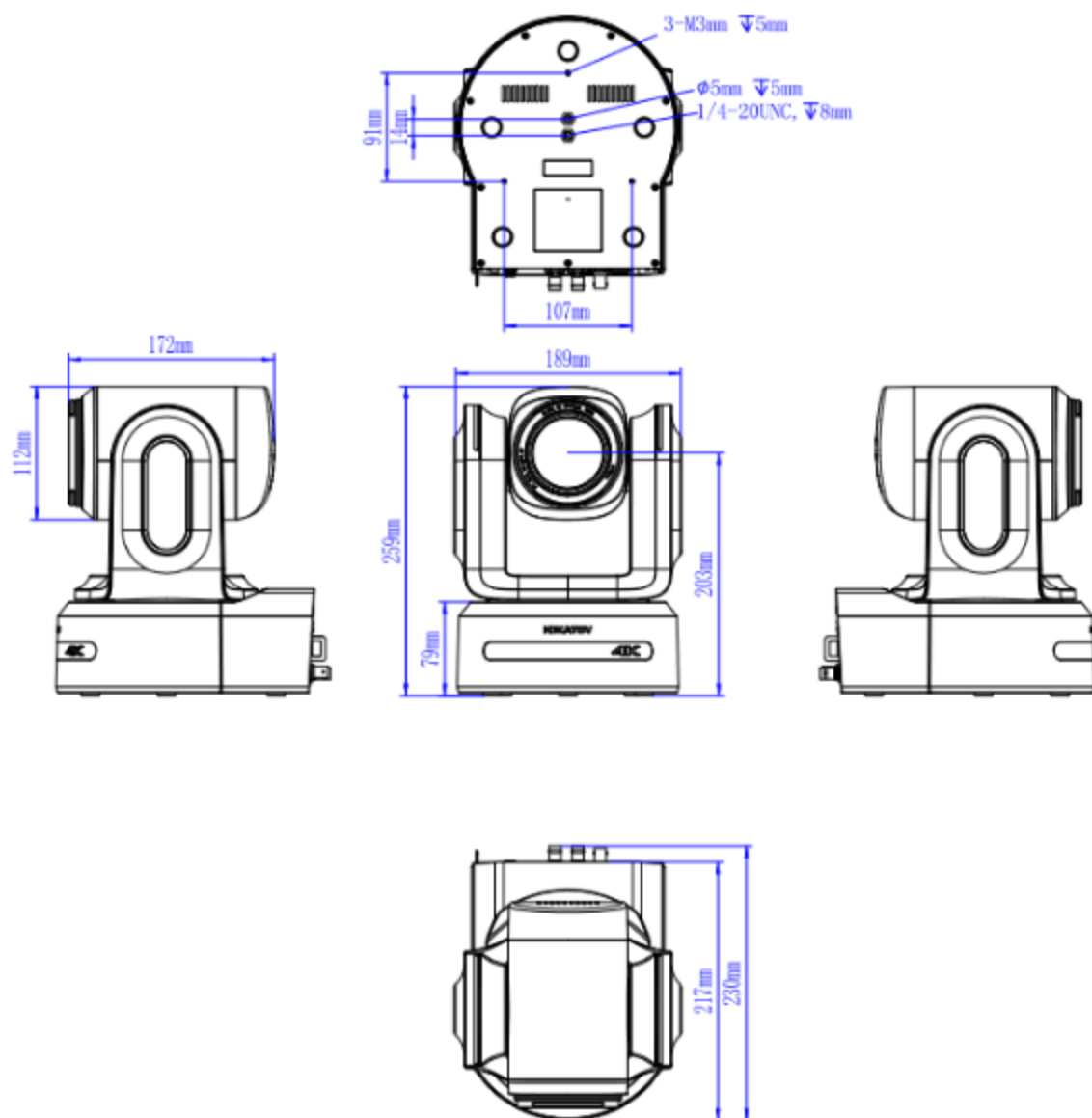
Specifications

| Image Parameters | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resolution | HDMI: 4K60/59.94/50/30/29.97/25, 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50 12G-SDI: 4K60/59.94/50/30/29.97/25, 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50 3G-SDI: 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50 |
| Image Sensor | SONY FCB-ER9500_GB original module |
| Pixels | 8.4 Megapixels Effective |
| Scan Mode | Line by line |
| Lens | 25X Optical Zoom ,f=6.5(W)~162.5mm(T),F1.6~F4.8 |
| Digital zoom | 12X |
| Horizontal View Angle | 58.1°(W)~2.3°(T) |
| Focus System | Auto , Manual |
| Shutter Speed | 1/50s ~ 1/10000s |
| Minimum Illumination | 0.1Lux |
| Exposure | Auto, Manual, Iris Priority, Shutter Priority, Brightness priority |
| White Balance | Auto, Indoor, Outdoor, Keying, Auto Tracking |

| | |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Backlight Compensation | Support |
| Digital Noise Reduction | 2D&3D Digital noise reduction |
| S/N Ratio | ≥50dB |
| Pan/Tilt | |
| Pan Angle | -167°~+167° |
| Tilt Angle | -30°~+90° |
| Pan Speed | 0.1°/S~120°/S |
| Tilt Speed | 0.1°/S~120°/S |
| Preset Positions | 9 preset positions by IR remote controller, 255 preset positions by joystick controller or PC |
| Preset Accuracy | 0.1°±10% |
| Flip | Support |
| Image Freeze | Support |
| POE++ | 802.3bt Type 3 |
| LAN | |
| Protocol | TCP/IP, HTTP, RTSP, RTMP, RTMPS, SRT, Onvif, DHCP, VISCA Over IP, NDI HX, FULL NDI (optional) |
| Video Compression | H.264, H.265 |
| Code Stream | Main code stream*1, Sub code stream*1 |
| Main Stream Resolution | 3840*2160, 2560*1440, 1920*1080, 1280*720 |
| Sub Stream Resolution | 1280*720, 960*540, 640*360 |
| Bit Rate Control | VBR, CBR |
| Audio | |
| Audio Compression | AAC |
| Sampling Rate | 48K 和 44.1K |
| Interface | |
| HDMI Interface | 1 Line, HDMI: Version2.0 |
| SDI Interface | 1 Line, GEN-LOCK 1 Line, 3G-SDI 1 Line, 12G-SDI |
| Optical Module Interface | 1 Line, Fiber(SFP28) |
| USB Interface | 1 Line, USB3.0,Type-A Socket |
| Network Interface | 1 Line, RJ45: 1000M adaptive Ethernetport |
| Audio Interface | 1 Line, Line In,3.5mm audio interface 2 Line, AUDIO INPUT,XLR audio interface |
| Serial Interface | 1 Line, RS232 IN/OUT, up to 30 meters, VISCA/Pelco-D/Pelco-P protocol 1 Line, RS422,up to 1200 meters, VISCA/Pelco-D/Pelco-P protocol |
| Power Interface | IEC 60130-10 Type A |

| General Specifications | |
|------------------------|----------------------------------------------------------------------------------------------------------------|
| Tally Light | Support |
| Input Voltage | DC 12V |
| Input Current | Max. 1.3A |
| Power Consumption | Max. 15.6W |
| Phantom Power | 48V |
| Operating Temperature | 0~40℃ |
| Storage Temperature | -10~60℃ |
| Color | Black |
| Dimension | (W) 189* (D) 230* (H) 259mm |
| Weight | 4.15 kg |
| Accessories | DC12V power adapter, IR remote control, operating instructions, HDMI video cable, RS-232 serial cable, bracket |

Dimension



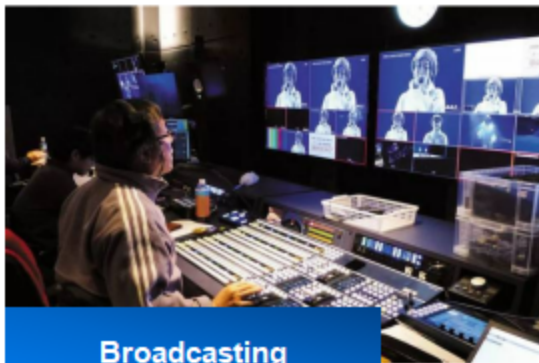
Application scenarios



Professional eSports



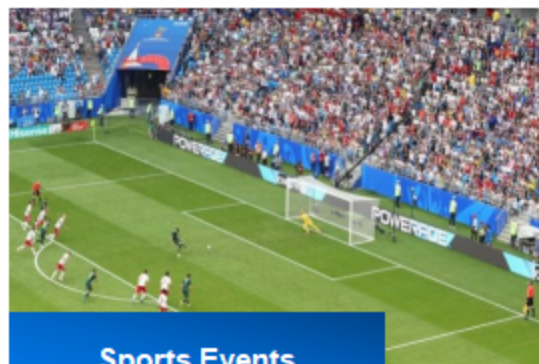
Large Churches



Broadcasting



Stage Performances



Sports Events



Academic Seminars

Connection Diagram

