

## KT-BC10HU

### 4K 12X SONY 1" Broadcast Grade PTZ Camera

4K30

12X

HDMI+LAN +SDI +GEN-LOCK

Fiber(SFP28)

NDI®|HX

Full NDI

Electronic Image Stabilization

20.5 Megapixels



## Features

### ■ 4K Ultra HD Output:

Adopting the new generation SONY 1- inch high-quality " Exmor R" CMOS sensor, it can achieve maximum 4K30 ultra- high-definition resolution broadcasting and image output, and even larger scene recording.

### ■ 12X Optical Zoom Lens:

Equipped with a 12x Sony full-module lens, it supports the mainstream horizontal viewing angle of 64 °, which can satisfy more scenarios such as large-scale broadcasting scenes, large-scale performances, church live broadcasts, etc. to restore real details.

### ■ HDMI+SDI+GEN-LOCK+LAN+ SFP28, Rich Application Scenarios:

Rich video output interfaces, including 3G-SDI, 12G-SDI, LAN , HDMI and SFP28 optical module outputs, HDMI+12G-SDI+LAN+ SFP28 can output 4KP30 resolution simultaneously. The GEN-LOCK interface enables multiple cameras to capture and transmit videos with the same clock signal to achieve video synchronization.

### ■ Low Light:

The new ultra-high signal-to-noise ratio CMOS image sensor can effectively reduce image noise in low-light conditions. At the same time, 2D & 3D digital noise reduction is applied to

significantly reduce image noise, keeping the picture clean and clear even in ultra-low light conditions, with an image signal-to-noise ratio of more 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 consumer infrared remote controls and send them to the video conferencing terminal via the VISCA port.

#### ■ Multiple Video Compression Standards:

Different interfaces support multiple video compression formats such as YUY2, H265, MJPG, and H 264 .

#### ■ Multiple Network Protocols:

Support ONVIF, SRT, RTSP, RTMP, NDI® | HX, FULL NDI and other network protocols;

#### ■ Multiple Control Protocols:

Supports VISCA (including VISCA Over IP), PELCO P/D, and NDI® protocols, and supports automatic identification of protocols .

## Specifications

Image Parameters	
Video Format	HDMI: 4K30/29.97/25, 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50 12G-SDI: 4K30/29.97/25, 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-ES8230 original module
Pixel	20.5 megapixels
Scanning Method	Line by Line
Lens	12X Optical Zoom, f= 29mm (wide angle) ~ 348 mm (narrow angle), F 2.8 ~ F4.5
Digital Zoom	16X
Horizontal View Angel	64 °(W)
Focus Mode	Automatic, Manual
Shutter Speed	1/25s ~ 1/10000s
Minimum Illumination	0.1Lux

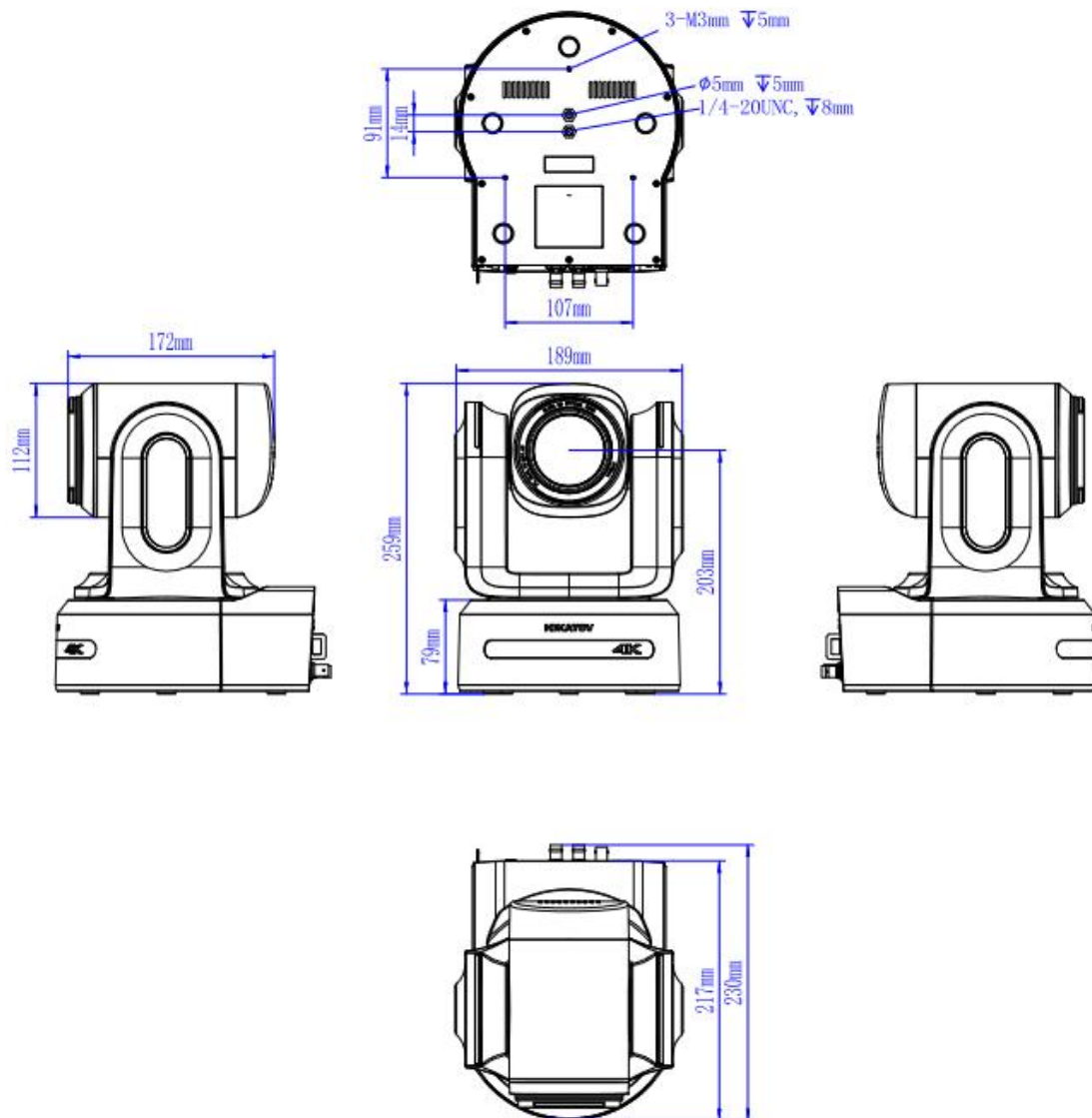
Exposure	Auto, Manual, Aperture Priority, Shutter Priority, Brightness Priority
White Balance	Auto, Indoor, Outdoor, Keying, Auto Tracking
Backlight Compensation	Support
Digital Noise Reduction	2D & 3D digital noise reduction
S/N Ratio	≥50dB
Electronic Image Stabilization	Support
<b>PTZ</b>	
Pan Angle	-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
<b>LAN</b>	
Protocol	TCP/IP, HTTP, RTSP, RTMP, RTMPS, SRT, Onvif , DHCP, VISCA Over IP, NDI@ HX, FULL NDI
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
<b>Audio</b>	

Audio Compression Standards	AAC
Sampling Rate	48K and 44.1K
<b>Interface</b>	
HDMI Interface	1 Line, HDMI: Version 2.0
SDI Interface	1 Line, G EN-LOCK 1 Line, 3G-SDI 1 Line, 12G-SDI
Optical Module Interface	1 Line, Fiber(SFP28)
USB Interface	1 Line, USB 3.0, Type- A socket
Network Interface	1 Line, RJ45: 1000M adaptive Ethernet port
Audio Interface	1 Line, Line In, 3.5mm audio interface 2 Line, AUDIO INPUT, X LR audio port
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
<b>General Specifications</b>	
Tally Light	Support
Input Voltage	DC 12V
Input Current	Max 1.3A
Power Consumption	Max. 15.6 W
Phantom Power	48V
Operating Temperature	0~40℃
Storage Temperature	-10~60℃
Color	black
Dimension	(W) 189 * (D) 230 * (H) 259 mm
Weight	4.15 kg

## Accessories

DC12V power adapter, IR remote control, operating instructions, HDMI video cable, RS-232 serial cable, bracket

## Dimension



## Application Scenario



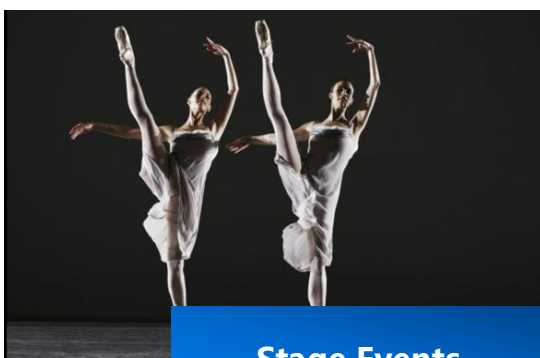
Professional E-Sports



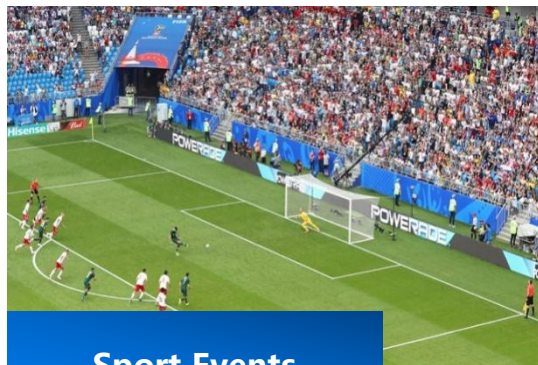
Large Churches



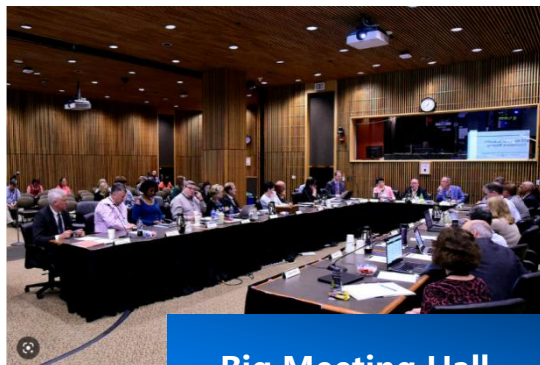
Broadcasting



Stage Events



Sport Events



Big Meeting Hall

## Connection diagram

