KT-HD62SK(NDI Version: KT-HD62SKN)

FHD 30X SONY Genlock PTZ Camera

| 1080p 60 FPS | 30X | HDMI+LAN+SDI+GENLOCK | Image Stabilization |

| Full NDI | AI Tracking+Auto Framing | POE |

Features

■**1080p60 Full HD smooth picture output:**

Original Sony full-module lens and 2.13 million pixel 1/2.8"STARVIS2 CMOS Sensor , which can achieve high-quality images with a maximum resolution of 1920x1080 Full HD 60 FPS .

■**30X optical lens, 64° horizontal viewing angle:**

Using high quality SONY STARVIS2 30X optical zoom lens, 64° horizontal viewing angle, supports image distortion correction.

■**HDMI+LAN+3G-SDI+ GEN-LOCK full interface, rich application scenarios:**

HDMI+3G-SDI+LAN+GEN-LOCK interface, 1080p full HD image output at up to 60 FPS, and support genlock function, simplifying integration with other systems in   multi-camera broadcast environments. It can be used as the main camera to ensure accurate video synchronization with other sub-cameras in complex broadcast video production and live broadcast settings.

■**Completely support both Full NDI® and NDI® |HX2 protocols:**

Full NDI® supports 1080p60 resolution transmission, achieving higher bandwidth image transmission, and also supports NDI®|HX2 protocol .

■ **Built-in dual-color standard tally indicator :**

The dual-color tally light status can be controlled through VISCA (including VISCA over IP), NDI® and other control protocols, which is suitable for recording and broadcasting scenarios with more camera positions.

■ **Low light:**

The brand new CMOS image sensor with ultra-high signal-to-noise ratio can effectively reduce image noise in low-light conditions. The application of 2D and 3D noise reduction algorithms can significantly reduce image noise. Even in ultra-low-light conditions, the picture remains clean and clear, and the image signal-to-noise ratio is as high as over 50 dB.

■ **Remote Control:**

Using RS232 and RS422/485 serial ports, multiple cameras can be controlled.

■ **Infrared transmission:**

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

■ **Multiple video compression standards:**

Different interfaces support multiple video compression formats such as YUY2, H265, MJPG, and H264.

■ **Multiple network protocols**

Network protocols such as ONVIF, SRT, RTSP, RTMP, RTMPS, Full NDI, NDI®|HX2 (optional) etc.

■ **Multiple control protocols**

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

■ **Multiple installation methods**

Multiple installation methods: desktop, ceiling, and wall-mounted.

■ **New generation AI human tracking algorithm**

Supports AI intelligent tracking and automatic framing functions.

(Note: When AI intelligent tracking and automatic framing functions are turned on, USB3.0+HDMI+IP supports 1080p60 resolution output, 3G-SDI has no picture output, and the three interfaces can output simultaneously.)
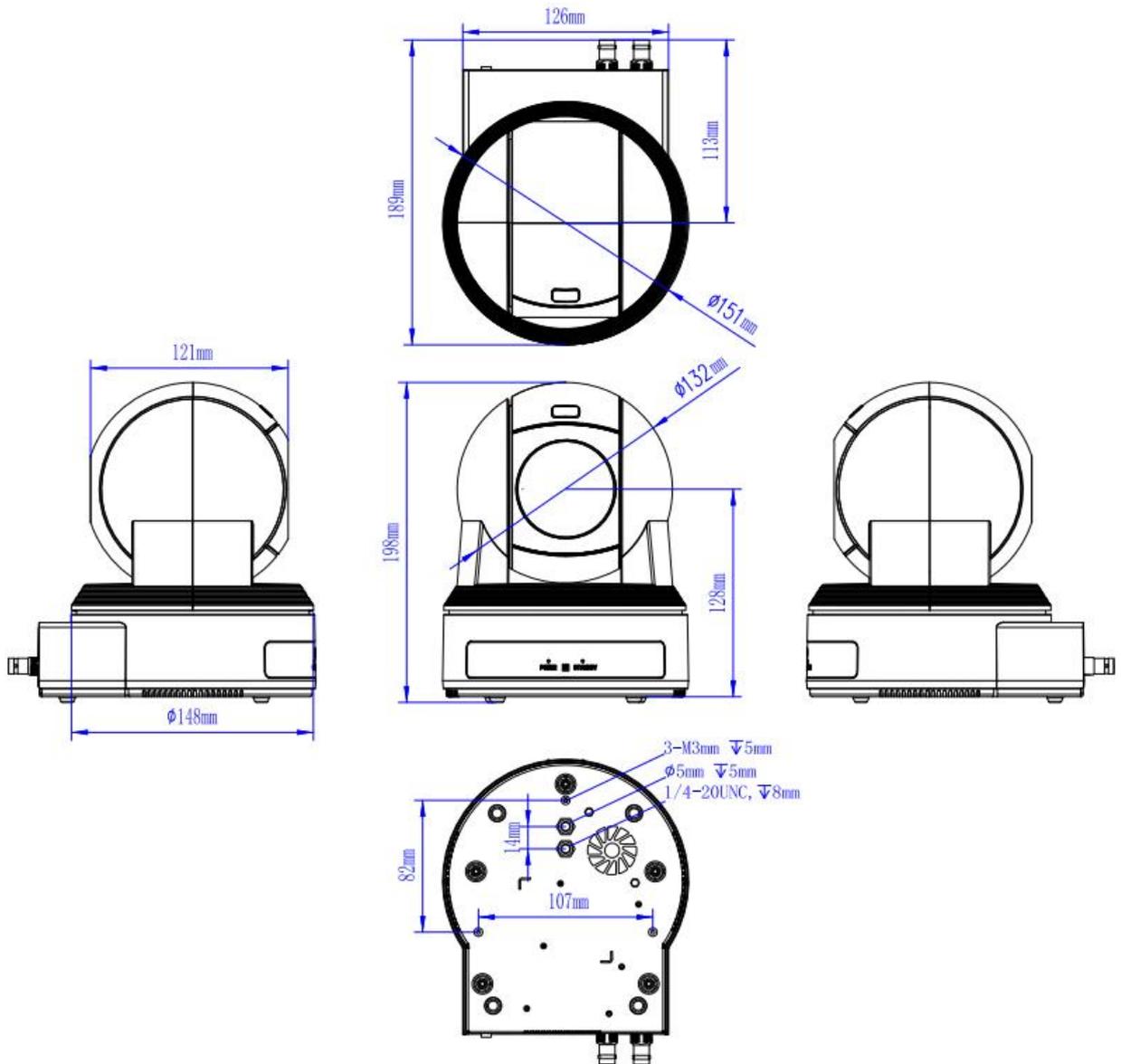
Camera parameters

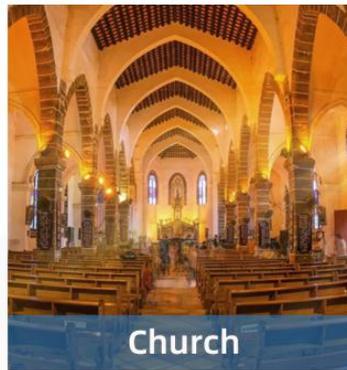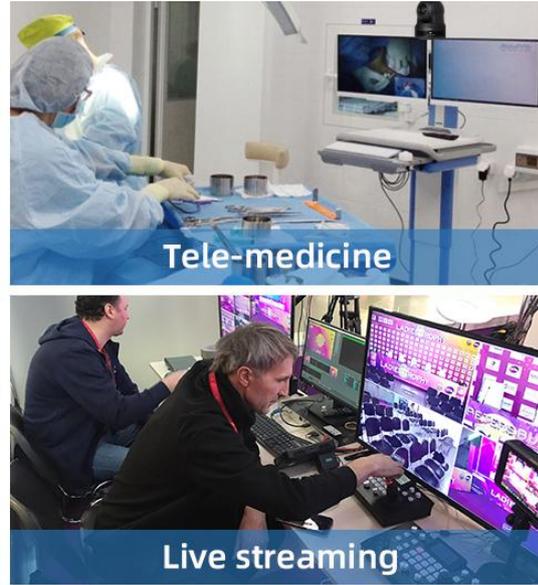| Image parameters	
Video Format	HDMI: 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50 SDI: 1080p60/59.94/50/30/29.97/25, 1080i60/59.94/50, 720p60/50
Image Sensor	SONY FCB-EV9520L original module
Pixel	2.13 million pixels
Scanning method	Line by Line

Lens focal length	30x optical zoom, f= 4.3 m (wide angle) ~ 129.0 mm (narrow angle), F1.6 ~ F4.7
Digital zoom	16X
Horizontal field of view	64 °(W)~ 2.4 °(T)
Focus mode	Automatic, Manual
Shutter	1/50s ~ 1/10000s
Minimum illumination	0.1 Lux @ (F1.6, AGC ON)
Exposure	Auto, Manual, Aperture Priority, Shutter Priority, Brightness Priority
White Balance	Automatic, indoor, outdoor, key control, automatic tracking, manual
Backlight compensation	Support
Digital noise reduction	2D&3D digital noise reduction
Signal-to-Noise Ratio	≥50dB
PTZ	
Horizontal rotation range	355°
Vertical rotation range	-30°~+90°
Horizontal rotation speed range	1°~80°/s
Vertical rotation speed range	1°~60°/s
Number of preset positions	9 preset positions by IR remote controller, and maximum 255 preset positions by joystick controller
Preset position accuracy	0.1°±10%
Flip	Support
Image Freeze	Support
POE power supply	802.3af
AI	
Intelligent tracking	Support
Automatic framing	Support
Tracking size	Support
Tracking sensitivity	Support
AI Guardian	Support
LAN	
Protocol	TCP/IP, HTTP, RTSP, RTMP, RTMPS, SRT, Onvif , DHCP, VISCA Over IP, Full NDI, NDI®|HX2 (**optional**)

Video encoding format	H.264, H.265
Number of streams	Main stream*1, auxiliary stream*1
Main stream resolution	1920*1080
Auxiliary stream resolution	640*480, 640*360, 352*288, 320*240, 176*144
Bit rate control	Variable bitrate, fixed bitrate
Audio	
Audio compression standards	AAC
Audio Bitrate	128kbps
Input and output interface	
HDMI interface	1 channel, HDMI: Version 1.4
SDI Interface	1 channel, 3G-SDI interface 1 way, GEN-LOCK
Network Interface	1-way, RJ45: 10M/100M/ 1000M adaptive Ethernet port
Audio Interface	1 channel, Line In, 3.5mm audio interface
Communication interface	1-way, RS232 IN/OUT: 8-pin mini DIN, maximum distance 30 meters, VISCA/Pelco-D/Pelco-P protocol 1-way, RS422/485: 5-core Phoenix port, maximum distance 1200 meters, VISCA/Pelco-D/Pelco-P protocol
Power interface	JEITA RC-5320A Type 4
General Specifications	
Tally Light	Support
Input voltage	DC 12V
Input Current	Max. 1.0A
Power consumption	Max 12W
Operating temperature	0~40℃
Storage temperature	-10~60℃
Color	Black, White (Optional)
Size	(W)126*(D)189*(H)198mm
Weight	1.3kg
Supplied accessories	DC 12V power adapter, IR Remote, User manual, RS-232C Cable, Ceiling bracket, Wall bracket(Optional)

Dimension wireframe

Application Scenario

Video conference

Tele-medicine

Live streaming

Education

Church

Government Projects

Connection diagram

RS232

HDMI-IN

Speaker Microphone

62Series

USB

HDMI-OUT

KC20

Display Screen

62Series

LAN

LAN

LAN

LAN

Network Switch