

D7149

Digital Conference Tracking Camera



Description

The D7149 features a 12x optical zoom lens and, for different environments, it can reduce image noise and enhance the layering of the picture through 2D/3D digital noise reduction. It is equipped with comprehensive and versatile interfaces to meet the demands of broadcast-level video transmission. Remote control of the camera can be achieved using RS232 and RS485. It supports up to 255 preset positions and includes a freeze function, making it suitable for multi-scenario applications.

Features

- 12X optical zoom lens

Utilizing ultra-high-definition Sony 1/2.5-inch or 1/2.8-inch Exmor R CMOS sensors, equipped with an integrated 4K @ 12X optical zoom lens, delivering approximately 80.5 degrees of horizontal wide-angle coverage.

- 2D/3D Digital Noise Reduction Function

For different usage environments, 2D/3D digital noise reduction is employed to minimize image noise and enhance the sense of depth in the picture, thereby outputting clear and true-to-life color images.

- Comprehensive and well-developed interfaces

It can simultaneously provide USB 3.0, HDMI, and IP 4K@60/30; as well as 3G-SDI and USB 3.0 @1080p @60fps multi-interface synchronous real-time output to meet your broadcast-level video transmission needs.

- Silent PTZ

Utilizing high-precision stepper motors and advanced motor drive chips to ensure smooth rotation of the gimbal at various speeds without any noise or squealing.

- Remote control

The camera can be remotely controlled using RS232, RS485, or network, supporting VISCA, PELCO-D, and PELCO-P protocols.

- Preset position image freeze

Supports the image freezing function during preset position invocation, which can mask the images during the preset position calling process.

- Multiple preset positions

Supports up to 255 presets and includes a freeze function.

- Multiple application scenarios

Educational recording and broadcasting, remote conferences, telemedicine, distance training, court trial systems, command systems, and online live streaming.

- Multiple network protocols

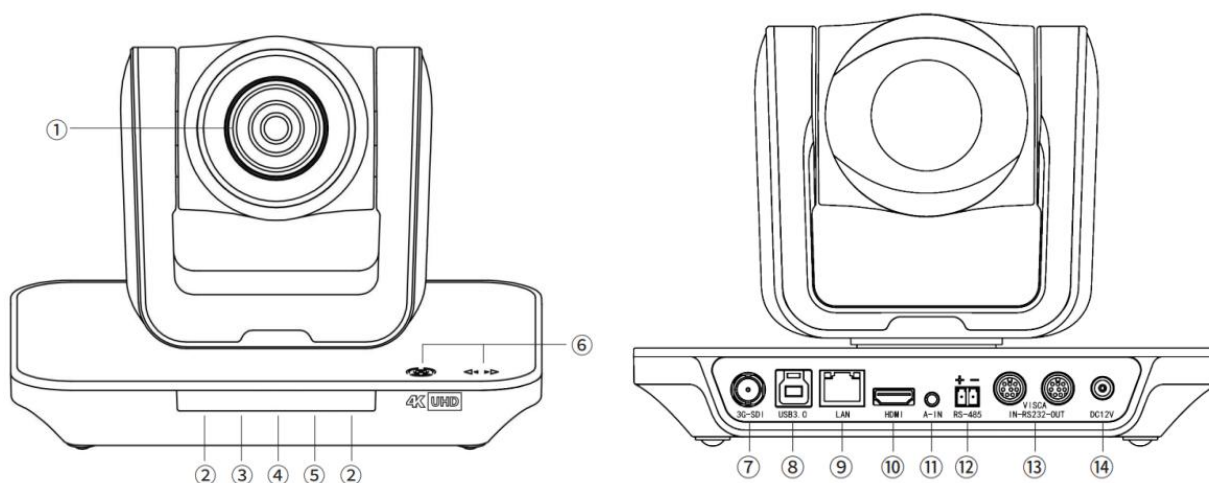
Supports ONVIF, GB/T28181, RTSP, and RTMP protocols, while also being expandable according to user requirement.

Specifications

Model	D7149
Camera Parameters	
Lens	12x 4K optical zoom
Image sensor	1/2.5-inch ExmorR CMOS image sensor
Effective pixels	Approximately 8.5 million
Focal length	f=4.4mm (W) 52.8mm (far)
Shutter speed	1/1 to 1/10000 second
Horizontal viewing angle	About 80.5° (W)
White balance	Automatic, one-click setup, manual
Exposure control	Automatic, manual, priority automatic exposure (shutter, aperture)
Focus mode	Automatic / Manual
Minimum illumination	0.1 lux
Minimum target distance	80mm~ 400mm
Interface Parameters	
4K video output	HDMI ×1 , IP (Real-time streaming)×1(RTSP/RTMP/RTMPS)USB3.0×1
HD video output	3G-SDI ×1, HDMI ×1, IP (Real-time streaming)×1, USB3.0×1
Communication	RS485 / IP / RS232-C
Power interface	DC 12V JEITA Standard or POE (Power over Ethernet) power supply

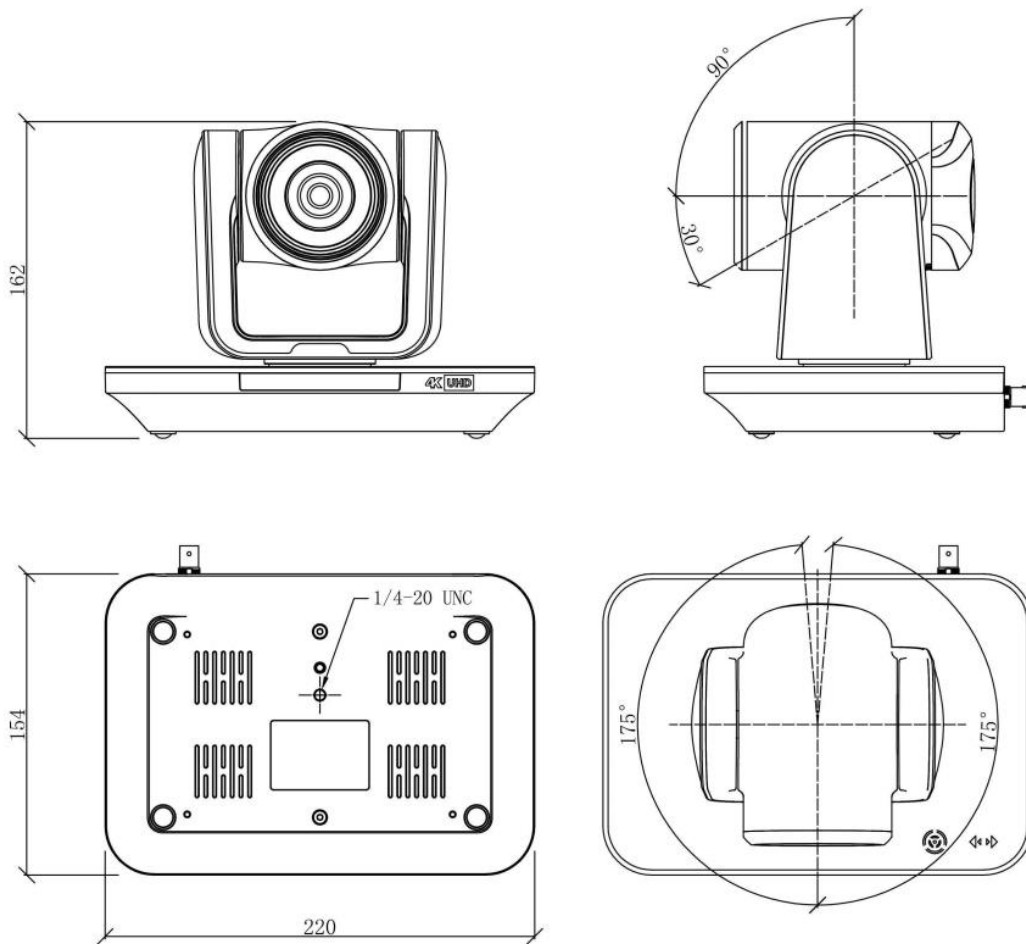
Communication baud rate	2400/4800/9600/115200
Audio input interface	Dual-channel 3.5mm line input
Audio compression format	ACC, G711A, G711U
Network interface	100M Internet (10/100BASE-TX), Support Internet VISCA/PELCO-D/PELCO-P/ONVIF Control Protocol
Network protocol	RTSP、RTMP、ONVIF、GB/T28181
PTZ Parameters	
Horizontal rotation	-178° ~ +178°
Pitch rotation	-30° ~ +90°
Horizontal rotation speed	0.1~100° / Second
Pitching rotation speed	0.1~80° / Second
Number of preset positions	A maximum of 255 can be set, with freeze functionality supported.
Other Parameters	
Power adapter	Input AC100V~AC240V Output DC12V/2A
Input voltage	DV12V
Power consumption	12W(Maximum)
Storage temperature and humidity	-10° C ~ +60° C / 20% ~ 95%
Working temperature and humidity	-10° C ~ +50° C / 20% ~ 80%
Usage environment	Indoor
Random attachments	RS232 to DB9Pin serial cable, USB3.0 data cable, RS485 terminal, power adapter, remote control, user guide, certificate of compliance, warranty card
Optional accessories	Wall-mounted / Inverted bracket, bracket screws

Product Information

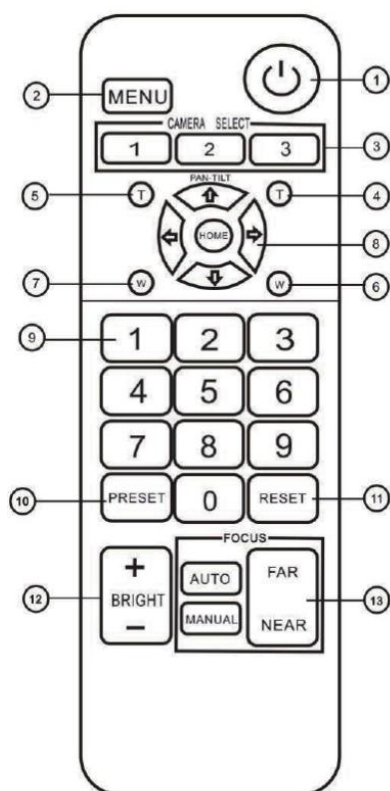


No.	Description	No.	Description
1	Lens	8	USB 3.0 interface
2	Infrared receiver	9	IP/POE Power supply interface
3	Power indicator light	10	HDMI interface
4	OLED display screen	11	Audio interface
5	Standby indicator light	12	RS485 interface
6	Touch panel	13	RS232 IN/OUT interface
7	3G-SDI interface	14	DC12V Power interface

Camera Size



Remote Control Button



No.	Name	Features
1	Standby Button	After pressing, the camera enters standby mode.
2	Menu	After pressing, the PTZ initiates self-check.
3	Camera Select	Camera ID select, select the target camera you need.
4	Fast T	Swiftly adjust the lens to focus the nearby object.
5	Slow T	Swiftly adjust the lens to focus the nearby object.
6	Fast W	Swiftly adjust the lens to focus the distant object.
7	Slow W	Swiftly adjust the lens to focus the distant object.
8	PTZ Controller	PTZ turn according to the arrow <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> ↑ Up ← Left </div> <div style="text-align: center;"> ↓ Down → Right </div> </div>
9	Number Key	Set or call the Presets of No.1-9
10	Preset	Preset+Numeric button(1-9),set the presets you want
11	Reset	Reset+Number(1-9)
12	Bright	+ increase, - decrease
13	Focus	Camera focus select

Auto: Automatic focus

Manual: Manual focus

Far: Manual focus, make the far object clearer

Near: Manual focus, make the near object clearer

Remote Control Button Instructions

- The button operations mentioned in this manual refer to the two actions of pressing and releasing a button. For combined button operations, such as **【Preset】 + 【Number Key】** , it means first pressing the **【Preset】** button, releasing it, and then pressing the **【Number Key】** .
- After the camera receives a command from the remote control, its indicator light will blink. The blinking will stop once the remote control button is released.