D7139

Digital Conference Tracking Camera

Description

The high-definition camera series for information and communication applications features comprehensive functionality, excellent performance, and abundant interfaces. The advanced ISP processing technology and algorithms deliver vivid and realistic image effects with uniform brightness, strong light-color layering, high definition, and accurate color reproduction. Supporting H.265/H.264 encoding, it ensures smoother and clearer video transmission under low bandwidth conditions.

Features

- **4K UHD Resolution:** 8.42M megapixel high quality SONY CMOS sensor. Resolution is up to 4K with frame rate up to 30fps.
- **Optical Zoom Lens:** 12X optical zoom 80.5°wide-angle lens.
- **Leading Auto Focus Technology:** Fast, accurate and stable auto focusing technology.
- **Low Noise and High SNR:** Super high SNR image is achieved with low noise CMOS. Advanced 2D and 3D noise reduction technology further reduces the noise while ensuring high image clarity.
- **Various video output interfaces:** support HDMI, USB3.0, LAN interface; support POE+ power supply, USB3.0 supports dual stream.
- **Multiple Audio/Video Compression Standards:** Support YUY2, MJPEG, H.264, H.265, NV12 video encoding formats, MJPEG, H.264, H.265 support up to 3840×2160 resolution 30fps compression; support AAC audio compression .
- **Audio Input Interface:** support AAC audio compression, AAC and MP3 support 16000, 32000, 44100, 48000 sampling frequency.
- **Built-in Gravity Sensor:** Support PTZ auto-flip function and easy installation.

- **Multiple Network Protocol:** Support ONVIF, GB/T28181, RTSP, RTMP,VISCA OVER IP,IP VISCA,RTMPS,SRT protocols; Support RTMP push mode, easy to be connected to streaming server (Wowza, FMS); Support RTP multicast mode.
- **Control Interface:** RS232 input
- **Multiple Control Protocol:** Support VISCA, PELCO-D, PELCO-P protocols; Support automatic identification protocols.
- **Quiet Pan / Tilt Movement:** With high accuracy step driving motor, camera can pan / tilt extremely quiet and smooth.
- **Low-power sleep function**: Support low-power sleep/wake-up, and the power consumption during sleep is less than 400mW.
- **Multiple Presets:** Up to 255 presets (10 presets via remote control).
- **Auto Framing**: Built-in high speed processor and face detection algorithm, automatically detect participants and provide ideal framing.
- **Intelligent voice positioning and tracking**: Built-in 6 omnidirectional microphone arrays with intelligent sound source localization algorithm, capable of real-time speaker position tracking, with configurable voice tracking on/off function.
- **Multiple Application:** Online-education, Lecture Capture, Webcasting, Video conferencing, Tele-medicine, Unified Communication, Emergency command and control systems, etc.
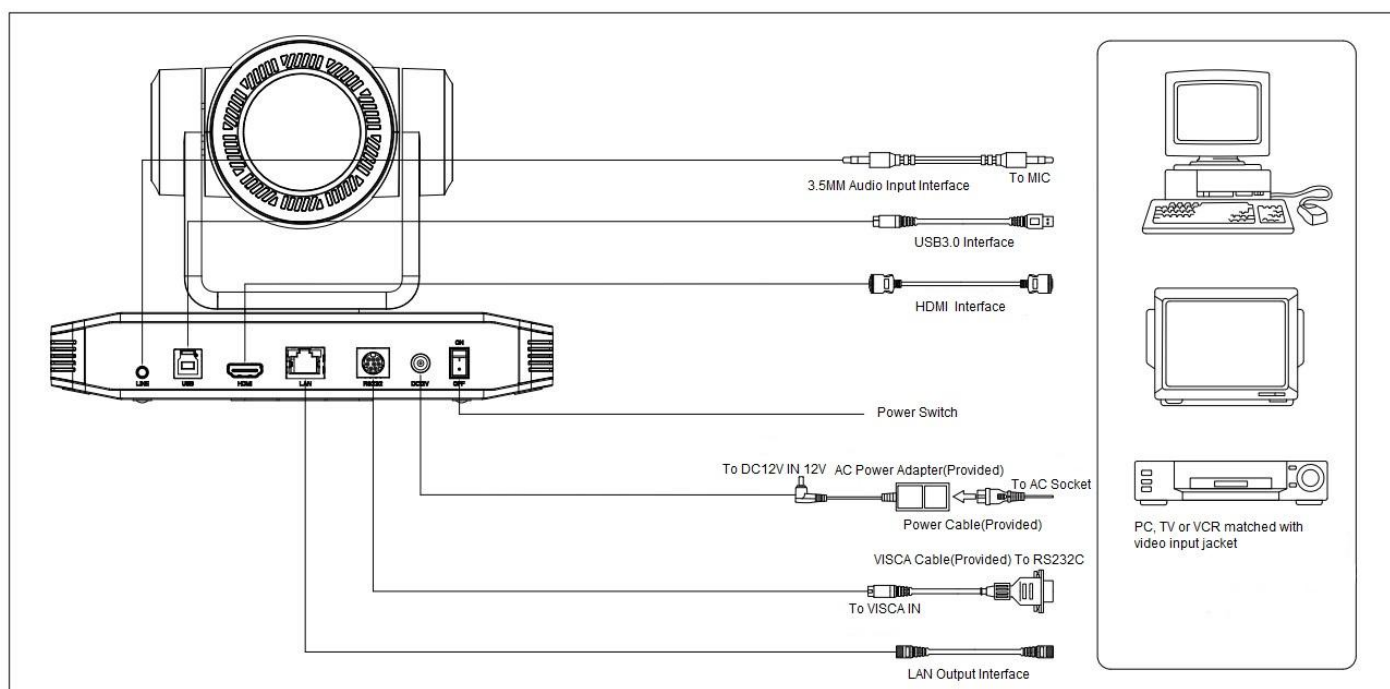
Specifications

Model	D7139
Camera Parameter	
Optical Zoom	12X
Sensor	1/2.8 inch SONY CMOS sensor
Effective Pixels	8.42M megapixel 16:9
Frequency Response	60Hz-18kHz
Video Format	HDMI: 4KP30, 4KP25, 1080P30, 1080P25, 1080P29.97; USB3.0: Main stream: YUY2/NV12: 1920×1080/1280×720/1024×576/800×600/800×448/640×480/640×360/480×270/320×180@30/25/20/15/10/5fps; MJPG/H264: 1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps; Secondary stream: YUY2/NV12: 1920×1080/1280×720/1024×576/800×600/800×448/640×360/640×480/480×270/320×180@30/25/20/15/10/5fps; MJPG/H264: 1920×1080/1600×896/1280×720/1024×576/960×540/800×600/800×448/720×576/720×480/640×360/640×480/480×270/352×288/320×240@30/25/20/15/10/5fps;
Close-up Parameters	12X
Viewing Angle	Horizontal: 7.6°(N)~80.5°(W)
Iris Value	F1.8 ~F3.6

Digital Zoom	15X
Minimum Illumination	0.5Lux(F1.8, AGC ON)
DNR	2D&3D DNR
White Balance	Auto / Manual/ One Push/ Specified Temperature
Focus	Auto/Manual/One Push Focus
Exposure Mode	Auto/Manual/Shutter priority/Aperture priority/brightness priority
Aperture	F1.8 ~F11, CLOSE
Shutter Speed	1/25~1/20000
BLC	ON/OFF
WDR	OFF/ 1~8
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	>50dB
Panoramic lens	Fixed
Viewing Angle	110.2°\101.8°\69.5°(D\H\V)
Aperture	F2.0±5%
Focal Length	F=1.89mm
Interface Parameter	
Video Interfaces	HDMI, LAN(Support POE+), USB3.0, LINE-IN, RS232-IN, DC12V Power Supply, Power Switch
Video Output	HDMI, LAN, USB3.0
Video Compression Format	LAN: H.264, H.265 USB 3.0: MJPG, H.264, YUY2, NV12
Audio Input	Double track 3.5mm linear input;
Audio Compression Format	AAC
LAN Jack	10M/100M adaptive Ethernet port, support POE+ power supply, support audio and video output
Network Protocols	RTSP/RTMP,ONVIF,GBT28181, VISCA OVER IP, IP VISCA 、 RTMPS, SRT, Support remote upgrade, remote restart, remote reset
Control Jacks	RS232-IN
Serial Port Communication Protocols	VISCA/Pelco-D/Pelco-P; Support Baudrate: 115200/38400/9600/4800/2400
USB Communication Protocol	UVC (Video Communication Protocol) , UAC (Audio Communication Protocol)
Power Supply	HEC3800 Outlet (DC12V)
Power Adapter	AC110V~AC220V to DC12V/2A
Input Voltage	DC12V±10%
Input	≤1.1A
Consumption	≤13W
PTZ Parameter	

Pan Move	-110°~+110°
Tilt Move	-30°~+30° °
Pan Speed	0.1°/s~100°/s
Tilt Speed	0.1°/s~70°/s
Preset Speed	Pan: 78.8°/s, Tilt: 31.7°/s
Preset Quantity	Up to 255 preset (10 via remote control)
Other Parameter	
Storage Temperature	-10℃~+60℃
Storage Humidity	20%~95%
Working Temperature	-10℃~+50℃
Working Humidity	20%~80%
Dimension	220(L)mm*136mm(W)*159mm(H)
Weight	About 1.7kg
Environment	Indoors
AI Function	
Auto Framing	Built-in high speed processor and face detection algorithm, automatically detect participants and provide ideal framing. The farthest framing distance can reach 6~7 meters
Intelligent voice positioning and tracking	Built-in 6 omnidirectional microphone arrays, intelligent sound source positioning algorithm, real-time positioning of the speaker's position, voice tracking can be set to on/off. The maximum pick-up distance can reach 6~7 meters

Interface Diagram

The specifications will be subject to change without prior notice.

IR Remote Control

1. Standby Key

After 3S long press, the camera will step into standby mode. Long press 3S again, the camera will self-test again and back to HOME position. (Note: If power-on mode is turned on and Preset 0 is set, and there is no operation within 12s, it will automatically point to the specified preset position.

2. Camera Address Selection

Select the camera address which wants to be controlled

3. Number Key

Set or run 0-9 presets

4. *key, # Key

Key combination use

5. Focus Control Key

Auto Focus: Enter into auto focus mode.

Manual Focus: The camera focus mode is manual

Switch the camera focus mode to manual focus by pressing [focus +] or [focus -] to adjust.

6. Zoom Control Key

Zoom＋:Lens near   Zoom－:Lens far

7. Set or Clear Preset key:

Set Preset: Set preset key + 0-9 number key:

Clear Preset key: Clear preset key + 0-9 number key

8. Pan/Tilt Control Key

Press ▲ Key :Up

Press ▼Key :Down

Press ◀ Key :Left

Press ▶ Key: Right

"HOME" Key: Return to the middle position or enter into the next level menu

9. BLC Control Key

Back Light ON / OFF: Turn on or off the back light

10. Menu Setting

Open or close the OSD menu

Enter / exit the OSD menu or return to the previous menu.

11. Camera IR Remote Control Address Setting

【＊】 + 【＃】 + 【F1】:Camera Address No.1

【＊】 + 【＃】 + 【F2】:Camera Address No. 2

【＊】 + 【＃】 + 【F3】:Camera Address No. 3

【＊】 + 【＃】 + 【F4】:Camera Address No. 4

12. Key Combination Functions

【#】+【#】+【#】: Cancel all preset positions

【＊】 + 【#】 + 【6】 : Restore factory default settings

【＊】 + 【#】 + 【3】 : Set the menu to Chinese

【＊】 + 【#】 + 【4】 : Set the menu to English.

【＊】+【#】+【9】: Switching between normal and inverted word order

【＊】 + 【#】 +Automatic : Enter aging mode

【#】 + 【＊】 +Automatic : Stop aging mode

【＊】+【#】+ Manual: IP/Username/Password restored to default

【#】 + 【#】 + 【0】 : Switch video format to 4KP30

【#】 + 【#】 + 【1】 : Switch video format to 4KP25

【#】 + 【#】 + 【2】 : Switch video format to 1080P30

【#】 + 【#】 + 【3】 : Switch video format to 1080P25

【#】 + 【#】 + 【4】 : Switch video format to 1080P29