



4K PTZ Professional Conference Camera

AVP-HD420



Features:

- **4K Ultra HD**

With a new generation of SONY 1/1.8-inch, maximum 8.42million pixels high-quality UHD CMOS sensor, 4K (3840x2160) ultra-high resolution images are available. And backward compatible with 1080P, 720P and other resolutions.

- **60° Wide-angle Lens**

Exclusively customized ultra-high resolution 4K super wide-angle lens, 20x optical zoom, horizontal field of view up to 60°.

- **HDMI 2.0**

Support HDMI 2.0 specification, can directly output 4K uncompressed digital video.

- **Low Power Sleep Function**

It supports low-power sleep/wake-up and consumes less than 400mW in sleep mode.

- **Built-in Gravity Sensor**

It supports image auto flip function for easy installation and use.

- **Low Light**

The application of 2D and 3D noise reduction algorithm greatly reduces image noise. Even under the condition of ultra-low illumination, it still keep the picture clean and clear, and the SNR of image is as high as 55dB.

- **Multiple Interfaces**

It supportsHDMI2.0 HD output, and also equipped with 3G-SDI interface, the effective transmission distance up to 150 meters (1080P30). HDMI, 3G-SDI, USB3.0, LAN can simultaneously output 4 channels of high-definition digital signals.

- **Remote Control**

Through the RS232 and RS485 serial ports, the camera can be controlled remotely.

- **Intelligent Exposure**

Effectively solve the impact of projection, TV and other equipment on the people who are photographing.



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Camera Specifications:

Signal System	HDMI: 4K/60, 4K/50, 4K/30, 4K/25, 4K/59.94, 4K/29.97, 1080P/60, 1080P/50, 1080P/59.94, 1080P/30, 1080P/29.97, 1080I/60, 1080I/50, 1080I/59.94, 720P/60, 720P/59.94 3G-SDI: 1080P/60, 1080P/50, 1080P/30, 1080P/29.97, 1080P/59.94, 1080P/25, 1080I/60, 1080I/50, 1080I/59.94, 720P/60, 720P/59.94
Frame Rate	50Hz: 1fps~50fps 60Hz: 1fps~60fps
Sensor	1/1.8 inch, CMOS, Max Effective Pixel: 8.42M
Lens	20x, f = 6.25mm ~ 125mm, F1.58 ~ F3.95
Digital Zoom	16x
Minimum Illumination	0.5 Lux @ (F1.8, AGC ON)
Shutter	1/30s ~ 1/10000s
Horizontal Rotation Range	±170°
Vertical Rotation Range	-30° ~ +90°
Pan Speed Range	1.7° ~ 100°/s
Tilt Speed Range	1.7° ~ 69.9°/s
H & V Flip	Support
Number of Preset	255
Preset Accuracy	0.1°
Input/Output Interface:	
AUDIO IN Interface	1 x AUDIO IN: 3.5mm Audio Interface
LINE OUT Interface	1 x LINE OUT: 3.5mm Line Out Interface
Communication Interface	RS485, RS232
Network Interface	RJ45
High Definition Interface	3G-SDI, HDMI
USB Interface	USB 3.0
Power Jack	JEITA type (DC IN 12V)
Physical Parameter:	
Size	168.4 x 141.5 x 164.5mm
Net Weight	1.35Kg
Operating Temperature	-10°C ~ 40°C



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1. Audio IN
2. LINE OUT
3. System Select Switch
4. RS485 Port
5. RS232 Port (IN)
6. RS232 Port (OUT)

7. Network Port
8. HDMI IN
9. USB 3.0 Port
10. 3G-SDI OUT
11. DC12V IN
12. Power Switch