

HD Communication Camera PV200EU3
Full HD, High-Performance 20x 1080P60/50



Product Overview

This PTZ HD color camera is suitable for enterprise, education, and remote medical applications. It features a 20x optical zoom and a high frame rate of 60FPS. It can capture high-quality color video images in enterprise meeting rooms, classrooms, training centers, and medical facilities. Users can connect the camera to a high-definition display device via HDMI cable and coaxial video cable for viewing.

With advanced servo control algorithms, this camera achieves precise, smooth, and silent PTZ control. The camera's wide-angle lens easily covers everyone in the indoor space during video conferences. It comes with 255 presets, allowing for quick and effortless recall of clear images without causing any disruption to speakers or audiences.

The camera utilizes a sensitive SONY EXMOR CMOS image sensor to ensure capturing detailed full HD images with high resolution. The maximum 60FPS high frame rate ensures natural and clear image quality for capturing moving targets.

For convenient control and viewing, the camera provides USB3.0 and HDMI interfaces that can output a 60FPS frame rate. It automatically accepts VISCA commands and PELCO-P/D protocol commands and can be connected using RS232 or RS485 interfaces.

Product Features

- Precise, smooth, and silent servo algorithm PTZ control: Utilizes advanced servo control algorithms and precision stepper motor drive, ensuring quiet, smooth, and stable operation. It can accurately and quickly move to specified positions and perform extensive shooting.
- True FULL HD images: Equipped with a 1/2.8-inch, 2.1-megapixel HDCMOS sensor, it delivers high-quality images with a resolution of 1920x1080. The output frame rate can reach up to 60/50 frames per second, satisfying the demand for both high clarity and smooth motion.
- Low noise with high signal-to-noise ratio: Incorporates 2D and motion estimation-based 3D noise reduction algorithms, along with a new generation of low-noise sensors, effectively reducing noise.
- 20x optical zoom and 12x digital zoom: Features a fast, accurate, and stable autofocus lens, providing a 20x optical zoom capability.
- Full HD multiple format video output: Offers a comprehensive range of interfaces, including HDMI, USB3.0, IP, and LAN. It supports various high-definition video formats such as 1080P60/50/30/25, 1080I60/50, 720P60/50, and more.
- RS-232C/RS485 (optional) remote control (VISCA protocol/Pelco-D/Pelco-P): Allows remote high-speed communication control of all camera settings, as well as pan, tilt, and zoom operations via the RS-232C/RS485 (optional) interface. Multiple cameras can be connected through the RS-232 cascade interface using the VISCA protocol.
- Multi-address settings: Camera address can be set via the menu/VISCA serial commands.
- 255 preset positions: Up to 255 preset positions can be pre-set through the serial interface, including pan, tilt, and zoom settings. Preset data can be saved even when the camera is powered off.
- Multi-functional remote control: Comes with a user-friendly remote control, enabling basic settings and control of pan, tilt, zoom, and more. The remote control also allows accessing and adjusting camera parameters through the menu.
- Infrared remote control signal pass-through function: Besides receiving its dedicated remote control signals, it can also capture and transmit infrared remote control signals from users' video conferencing terminals through the serial interface, eliminating the need for a separate infrared receiver on the video conferencing terminal and allowing users to place the terminal discreetly.
- Optional camera inversion function: The camera supports inversion and can change the installation method through the OSD menu or by sending serial commands.
- OSD with English and Chinese menus: Rich OSD menu accessible through the remote control, available in both English and Chinese languages.

Application Scenarios

Conference Systems, Remote Medical, Remote Education, etc.

Technical Parameter

Model	PV200EU3
Camera and Lens Parameters	
Sensor	1/2.8-inch high-quality HD CMOS sensor
Effective Pixel	16:9, 2.1 million effective pixels
Video Format	1080P60/50/30/25 , 1080I/60/50, 720P60/50
Lens Zoom	20x optical zoom, f=4.7~94mm
Field of View	2.9° (tele) to 55.4° (wide)
Minimum Illumination	0.1Lux
White Balance	Auto/Indoor/Outdoor/Manual
Focus	Auto/Manual
Aperture	Auto
Shutter	Auto
SNR	>52dB
Input/Output Interfaces	
HD Video Interfaces	HDMI, USB3.0
SD Video Interface	RCA interface
Control Signal Interface	8-pin mini DIN
Control Signal Format	Start bit: 1 bit, Data bits: 8 bits, Stop bit: 1 bit, Baud rate: 9600/4800/2400bps
Power Interface	HEC3800 power socket
General Parameters	
Mechanical Performance	Horizontal rotation: $\pm 170^{\circ}$; Tilt rotation: -30° to $+210^{\circ}$
	Horizontal Control Speed: 1-100°/second; Tilt Control Speed: 1-60°/second
	Preset Speed: Horizontal: 100°/second, Tilt: 60°/second
	Preset Accuracy: 0.1 degrees
	Number of Preset Positions: 255 user-settable presets
Pan/Tilt Control Mode	Servo motor control
Color	White, Black (optional)
Power Adapter	AC110V-AC220V to DC12V/2A
Input Voltage	DC12V(DC11.5-DC12.5V)
Power Consumption	15W(max)
Storage Temperature	-10°C to +60°C
Operating Temperature	0°C to +45°C

Dimensions (Width x Height x Depth)	155mmX186mmX172mm
Weight (Net Weight)	2.5KG(1.3KG)
Operating Environment	Indoor
Network Parameters	
Encoding Formats	H.264 Baseline, Main Profile, High Profile, H.265 Mainfile, MJPEG encoding
Image Resolution	Main stream 1920*1080@30fps, 1280*720@30fps Substream 720*576@30fps, 640*480@30fps
Video Compression Rate	32kbps-16Mbps adjustable continuously, supports CBR/VBR
Text Overlay	Supports channel name, date/time, stream information overlay, adjustable overlay position
Data Storage	Video and image files
Storage Mechanism	Manual, automatic (loop, timed, alarm switch, motion detection)
Protocol Support	TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, FTP, NTP, PPPOE, SMTP, UPNP
ONVIF Protocol	Standard ONVIF protocol
Client Browser Support	Supports IE6.0 and above browsers
Mobile Client	Supports IPHONE, IPAD, Android platforms

Dimension:

