

HUAWEI VPC800

4K Ultra-HD Video Camera



Superior Image Quality

A 12.4-Mpixel CMOS sensor delivers images up to 4K @ 60 fps to conferencing equipment via an HDMI 2.0 interface. Huawei also incorporates industry-leading advances in motion-based 3D noise-reduction algorithms, using motion estimation to deliver sharper images with accurate colors. Four user-selectable image modes ensure high performance and an optimized, dynamic visual experience.

3-In-1 Automatic Image Adjustment

To simplify usability and improve image quality, the VPC800 supports full automation of three key features: Automatic White Balance (AWB), Auto Exposure (AE), and Auto Focus (AF). This automated capability simplifies use and ensures that the camera always delivers the best possible image quality.

High-performance Pan/Tilt/Zoom (PTZ)

Highly responsive PTZ gives fast tracking and precise positioning, with wide-angle coverage up to 80°. This innovative PTZ design ensures that the camera generates no noise, even during fast movement.

User-configurable Presets

The VPC800 can be configured with 254 presets for settings such as PTZ, focus, and backlight compensation.

To boost the quality of both video and audio conferencing, Huawei offers the VPC800 Ultra-HD PTZ video camera, featuring video quality as high as 4K @ 60 frames per second (fps). Coupled with an extensive portfolio of Huawei video conferencing systems, the camera delivers clear, crisp images for true-to-life conferencing.

Streamlined Usability

Designed for ease of use, the VPC800 camera's OLED interface allows users to quickly select among presets for a variety of image formats. Built-in OSD configuration interface, easy to maintain and configure.

Elegant Design

The camera's sleek, contemporary design makes a stylish addition to any corporate conference room or office.

Auto-focus 12x Optical Zoom

With up to 12x optical zoom, the fast, stable AF lens maintains high-quality images at virtually any distance.

IR or RF Receiver

The camera's remote control can work via infrared or radio-frequency interfaces for convenient use anywhere in the room.

3G-SDI for Long-distance Connections

As an alternative to HDMI, the camera provides a 3G-SDI port that allows video transmission over long distances to simplify system deployment.

HUAWEI VPC800 Specifications

Model	
Model	HUAWEI VPC800-4K HUAWEI VPC800-1080P
Resolution	
Imaging	12.4 Mpixels 1/1.7-inch CMOS imaging chip
Video output pixels	3,840 x 2,160 @ 50/59.94/60 fps; 3,840 x 2,160 @ 25/29.97/30 fps; 1080p @ 50/59.94/60 fps; 1080i @ 50/59.94/60 fps; 1080p @ 25/29.97/30 fps; 720p @ 50/59.94/60 fps 1080p @ 50/59.94/60 fps; 1080i @ 50/59.94/60 fps; 1080p @ 25/29.97/30 fps; 720p @ 50/59.94/60 fps
Video	
Zoom	12x optical zoom + 12x digital zoom
Lens aperture (F#)	F1.8
Focal length	4.2 ~ 50.4 mm ± 5%
Maximum horizontal/vertical field of view	80°/50°
Pan/Tilt range	+/-100° (pan), +/- 30° (tilt)
Pan/Tilt speed	Minimum pan and tilt: 2°/s; Maximum pan: 100°/s, 25°/s tilt
Shutter speed	1/25 second to 1/10,000 second
Min. illumination	1 lux (50 IRE, F1.8)
Number of presets	254
Image Mode	
Built-in presets	Standard, natural, vivid, and scenery
Automatic Adjustment	
Auto White Balance (AWB)	Auto, one-button configuration, and manual
Auto Exposure (AE)	Auto, aperture priority, shutter priority, and manual
Auto Focus (AF)	Auto, manual
Special Features	
Dynamic range	Supports digital wide dynamic range
Inversion	Supports image inversion
IR/RF remote	Remote control uses IR or RF for use anywhere in the room
Software upgrade	Supports local and remote software upgrades
Power	
Input voltage	100V to 240V AC 50/60 Hz
Working voltage	12V DC
Power	< 32W
Physical characteristics	
Ambient temperature	0°C to 40°C
Dimensions (length x width x height)	Camera: 286.8 mm x 184.6 mm x 175 mm Package: 425 mm x 285 mm x 290 mm
Weight	Net weight: about 2.9 kg Gross weight: about 4.8 kg
Hardware interface	
Video output	HD-VI, DVI-I (DVI-D&YPbPr) 3G-SDI (up to 1080p60 output) SMPTE-424M HDMI 2.0 (up to 4K @ 60 fps output)
Control interface	Two RS232: one VISCA IN and one VISCA OUT 10/100M network port