



## Features

### Superb High-definition Image

UHV-800A employs 1/2.8 inch high quality CMOS sensor. Resolution is up to 1920x1080 with frame rate up to 60fps.

### Various Optical Zoom Lens

UHV800A has 12X/20X optical zoom lens for options. 12x zoom lens is with 72.5 ° wide view angle without distortion.

### Leading Auto Focus Technology

Leading auto focus algorithm makes lens a fast, accurate and stable auto-focusing.

### Low Noise and High SNR

Low Noise CMOS effectively ensure high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness.

### Audio Input Interface (for future development)

Support 16000,32000,44100,48000 sampling frequency and AAC,MP3,PCM audio coding.

### Wide-range, Quiet and Quick Pan/Tilt Mechanism

By adopting step driving motor mechanism, UHV800A camera works extremely quiet and moves smoothly.

### Multiple Audio/Video compression

Support H.264/H.265 video compression; AAC, MP3 and PCM audio compression; Support compression of resolution up to 1920x1080 with frame up to 60fps and 2 channel 1920x1080p with 30fps compression.

### Multiple Network Protocol

Support ONVIF,RTSP,RTMP protocols and support RTMP push mode,easy to link streaming media server (Wowza,FMS)

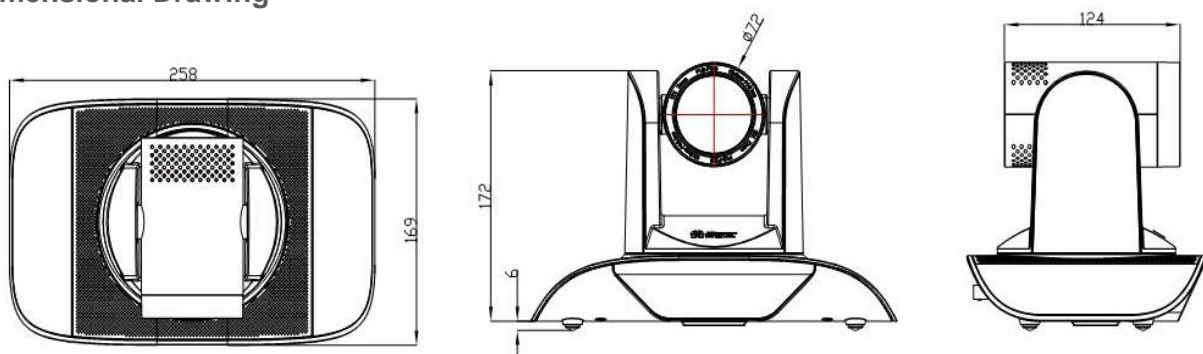
### Wide Application

Tele-education,lecture capture,Webcasting, Videoconferencing,Tele-training,Tele-medicine, Interrogation and Emergency command systems.

### Low-power sleep function

Support low-power sleep/wake up,the consumption is lower than 400mW under sleep mode.

## Dimensional Drawing



## Technical Specification

Model No.	UHV800A-12	UHV800A-20
Camera Parameter		
Optical Zoom	12X, f = 3.9 - 46.1mm	20X, f = 55.7 - 110mm
Sensor	1/2.8" high quality HD CMOS Sensor	
Effective Pixels	16:9, 2.07 Megapixel	f = 3.9mm - 46.8mm
Video Format	DVI(HDMI), SDI video format 1080P60/50/30/25/59.94/29.97; 1080I60/50/59.94;720P60/50/30/25/59.94/29.97 USB3.0 interface video format 1. USB 3.0: 1920x1080P60/50/30/25; 1280x720P60/50/30/25; 960x540P30;640x360P30; 640x480P30; 352x288P30; 960x540P30 2. USB3.0 Compatible with USB 2.0: 960x540P30;640x360P30,1280X720P10/15;720x576P50,720x480P60,640x480P30,352x288P30	
View Angle	6.3°(tele) - 72.8°(wide)	3.3°(tele) - 54.7°(wide)
AV	F1.8 - F2.4	
Digital Zoom	10X	
Min.Illumination	0.5Lux(F1.8, AGC ON)	
DNR	2D & 3D DNR	
White Balance	Auto / Manual / One Push / 3000K / 4000K / 5000K / 6500K	
Focus	Auto / Manual	
Aperture	Auto / Manual	
Electronic Shutter	Auto / Manual	
BLC	ON / OFF	
WDR	OFF / Dynamic Level adjustment	
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve	
SNR	Above 55dB	
Input/Output Interface		
Video Interfaces	UHV800A-12/20-SD Model: 3G-SDI, DVI(HDMI), LAN, RS232(IN/OUT), RS485, A-IN, 5GWifi(Optional) UHV800A-12/20-U3 Model: USB3.0, DVI(HDMI), LAN, RS232(IN)	
Image Code Stream	Dual steam output	
Video Compression Format	H.265 , H.264	
Control Signal Interface	RS232 Ring through RS232 output	
Control Protocol	VISCA/Pelco-D/Pelco-P; Baud Rate: 115200/9600/4800/2400bps	
Audio Compression Format	AAC/MP3/PCM Audio compression	
HD IP interface	100M IP port(100BASE-TX); 5G WiFi(Optional);Support Visca protocol control through IP port	
Network Prococol	RTSP/RTMP/ONVIF, GB/T23181	
Powr Interface	HEC3800 outlet(DC12V)	
PTZ Parameter		
Pan/Tilt Rotation	±170°,-30°~~+90°	
Pan Control Speed	0.1 - 60°/sec	
Tilt Control Speed	0.1 - 30°/sec	
Preset Speed	Pan: 60°/sec , Tilt: 30°/sec	
Preset Number	255 presets(10 presets by remote controller)	
Other Parameter		
Supply Adapter	AC110V-AC220V to DC12V/1.5A	
Input Voltage	DC12V±10%	
Input Current	1A(Max)	
Consumption	12W(Max)	
Working Temp	-10°C - +50°C	
Working Humidity	20% - 80%	
Storage Temp	-10°C - +50°C	
Storage Humidity	20% - 95%	
Dimension	258mm x 172mm x 268mm	
Weight	1.54KG	
Remote Operation(IP)	Remote Upgrade, Reboot and Reset	
Accessory	Power Supply, RS232 control cable, remoter, manual, warranty car, bracket(optional)	
***Product specification are subject to change without notice***		