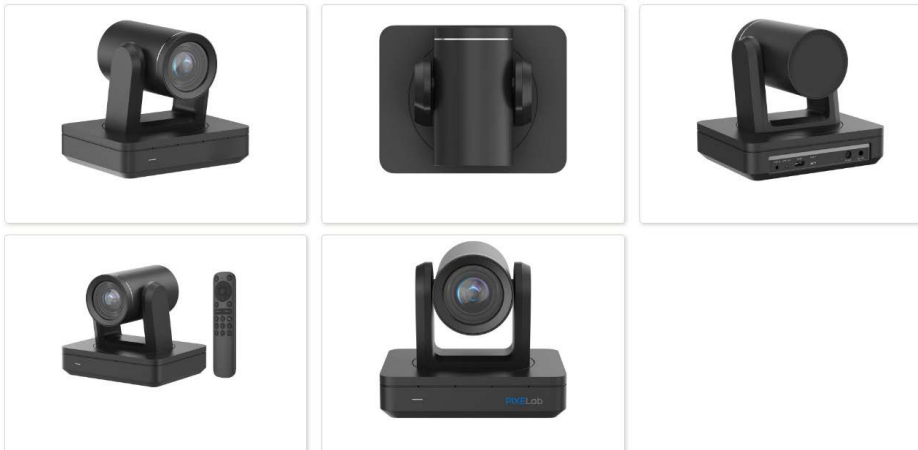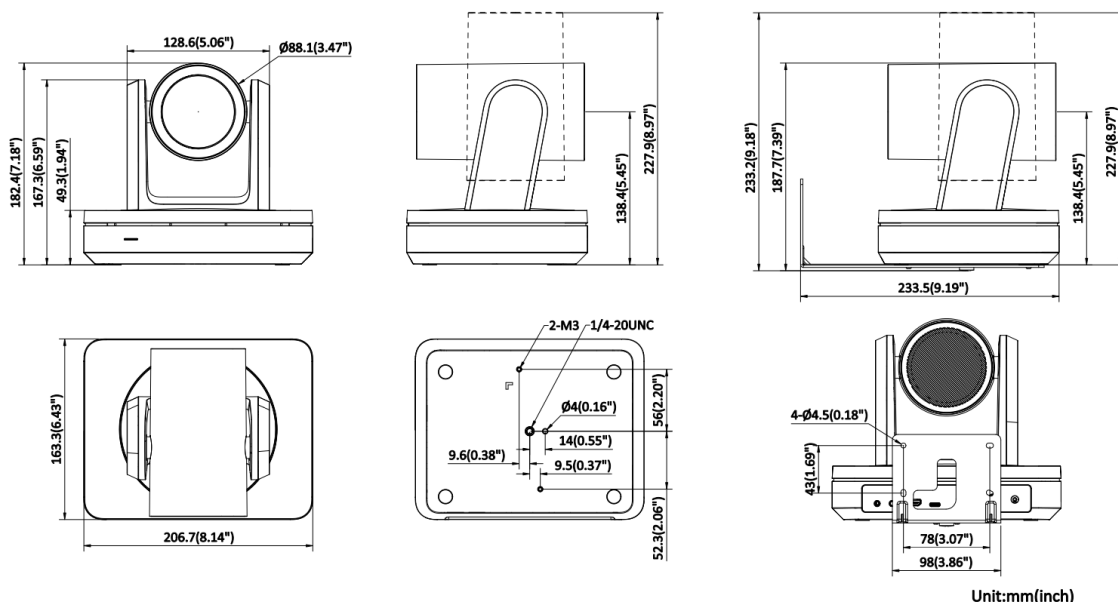## Conference Camera Solutions
HDC Series

PXUV**12P**U(T)

Feature

- 2 MP CMOS
- High quality imaging with 1920 × 1080 resolution
- 3.5 mm to 52.5 mm varifocal lens, auto focus, × 15 optical zoom, × 10 digital zoom
- Min. Illumination: 0.2 Lux @ (F2.0 to 3.7, AGC ON)
- Clear imaging against strong back light due to 120 dB true WDR technology
- AGC for self-adaptive brightness
- USB Type-C interface, supporting USB 2.0 protocol. Plug-and-play, no need to install driver software
- 4 microphone built into the PTZ camera with clear sound
- Support HDMI Interface, 1080P60/50/30/25;720P60/50/30/25
- Support VISCA protocol (RS232) keyboard control interface, with a baud rate of 9600
- Compatible with multiple mainstream communication software

▪Dimension

Unit:mm(inch)

Camera	
Image Sensor	1/2.8" 2 MP CMOS
Max. Resolution	1920 (H) × 1080 (V)
Min. Illumination	0.2 Lux @ （F2.0~3.7， AGC ON）
Shutter Time	PAL: 1/25 s to 1/10,000 s;NTSC: 1/30 s to 1/10,000 s
Angle Adjustment	Pan: 340°,Tilt: 90°
Optical Zoom	× 15
Digital Zoom	× 10

Lens	
Lens Type	Varifocal lens, 3.5 to 52.5 mm
Focal Length & FOV	Horizontal FOV: 78.7° to 5.9° Vertical FOV: 48.4° to 3.3° Diagonal FOV: 87.2° to 6.8°
Object Distance Range	Wide: 0.1 m to ∞; Tele: 1.5 m to ∞

Microphone	
Type	MEMS
Polar Pattern	360° omni-directional
Pickup Distance	In a radius of up to 5 m
Amount	4 mic
Frequency Response	100 Hz to 8 kHz
Sensitivity	-38 ± 1.5 dBV/Pa
SNR	90 dB(A)
Sampling Rate	16 kHz/32 kHz/48 kHz

Functions	
Image Function	Auto/Manual White Balance, Backlight Compensation, Left/Right Flip/Up/Down Flip/Center Mirror
Audio Function	Supports steady and transient smart noise reduction, automatic gain control, time domain equalization algorithm, ambient noise suppression and enhanced vocals to enhance speech quality and offer audio in high quality
Smart Function	Human mode and sound source localization
LED Indicator	Flashing white: powering on and starting Solid white: normally working Solid red: mute Light off: standby
Auto Focus	Yes

Communication	
Communication Method	USB cable
Wired Communication Distance	Cable length: 15 m. Transmission distance: 4.5 m.

Accessory	
Packing List	Camera (including lens cover) × 1 Remote Control × 1 Power Adapter (1.2 m) × 1 Power Adapter Extension Cable (3 m) × 1 Power Adapter Plug × 3 (for British, American, and European standards) USB 2.0 Cable (4.5 m) × 1 Bracket × 1 Screws × 1 Battery × 2 Quick Start Guide × 1

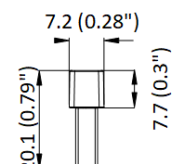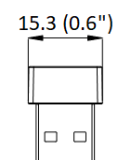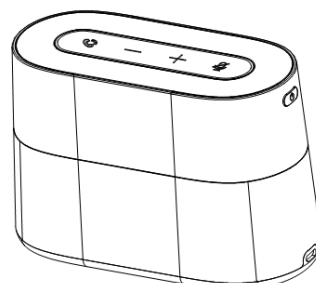| Image	
Frame Rate	USB Output: MJPG/H.264： 1920 × 1080 @60 fps/50 fps/30 fps/25 fps 1280 × 960 @60 fps/50 fps/30 fps/25 fps 1280 × 720 @60 fps/50 fps/30 fps/25 fps 640 × 480 @60 fps/50 fps/30 fps/25 fps 640 × 360 @60 fps/50 fps/30 fps/25 fps YUY2： 1920 × 1080 @5 fps 1280 × 960 @10 fps 1280 × 720 @15 fps 640 × 480 @30/25fps 640 × 360 @30 fps/25 fps NV12： 1920 × 1080 @5 fps 1280 × 960 @10 fps 1280 × 720 @15 fps 640 × 480 @30/25fps 640 × 360 @30 fps/25 fps HDMI Output: RGB444: 1920 × 1080 @60 fps/50 fps/30 fps/25 fps 1280 × 720 @60 fps/50 fps/30 fps/25 fps
Wide Dynamic Range (WDR)	≥120 dB
Interface	
Device Interface	HDMI Interface、 USB Type C Interface 、 VISCA Interface（RS232）、 Power Interface
Audio	1 line in, 3.5 mm connector 1 line out, 3.5 mm connector
Cable	USB Cable: Type C to Type A interface Adapter Extension Cable: DC plug to DC socket
Compatibility	
System Requirement	Windows 7/8/10/11 Android 8.1 and above version Linux 4.14 and above version macOS 10.12 and above version
General	
Power	12 VDC ± 5%, max. 17 W
Operating Condition	-10 °C to 45 °C (14 °F to 113 °F). Humidity 90% or less (non-condensing)
Material	plastic
Dimension	206.7 mm × 163.3 mm × 227.9 mm (8.14" × 6.43" × 8.97")
Package Dimension	328 mm × 240 mm × 250 mm (12.91" × 9.45" × 9.84")
Weight	Approx. 1880 g (4.14 lb.)
With Package Weight	Approx. 3584g (7.90 lb.)

Wireless Conference Speaker

HD-SW-05

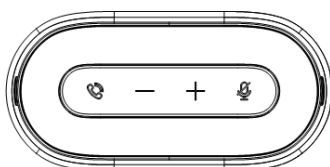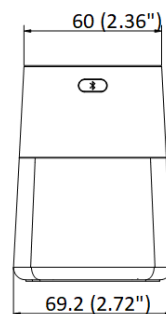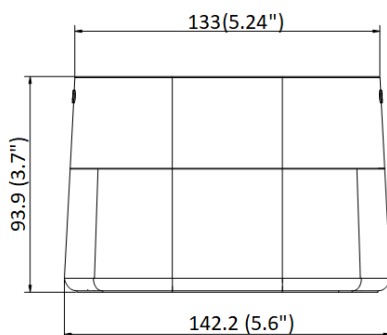### Feature

- Adopts 8-mic array, picking up 360° clear sound with 5 meters range

- Adopts the HD speaker

- Supports steady and transient smart noise reduction, echo and squeal suppression, anti-reverberation to enhance speech quality and offer audio in high quality

- The built-in 7.2 V/3700 mAh lithium battery supports the device to last 10 hours after a full charge.

- Supports wireless connection through Bluetooth and a USB dongle

- Supports wired connection through a USB cable

- Driver-free design enables plug-and-play

- Compatible with leading online conferencing platform

Dimension

133(5.24")

93.9 (3.7")

142.2 (5.6")

60 (2.36")

69.2 (2.72")

15.3 (0.6")

7.2 (0.28")

20.1 (0.79")

7.7 (0.3")

Unit:mm (inch)

Microphone	
Type	MEMS
Direction	360° Omni-directional
Pickup Distance	In the radius up to 5 m
Amount	8
Frequency Response	80 Hz to 20 kHz
Sensitivity	-38 dBV/Pa
SNR	90 dB
Sampling Rate	16 kHz/32 kHz/48 kHz
Special Function/Algorithm	Beam forming
3A Algorithm	AEC, ANS, AGC

Speaker	
Rated Power	3 W
Maximum Output Loudness	110 dBSPL @1 m, 1 kHz
Speaker Range	In the radius up to 10 m
Effective Bandwidth (-10 dB)	100 Hz to 22 kHz
Total Harmonic Distortion (THD)	< 1% @ 1 kHz

Functions	
Audio Function	Supports steady noise reduction, such as the sound of air conditioner and fan, and transient noise reduction, such as the sound of falling, claps and steps. Supports echo and squeal suppression, anti-reverberation to enhance speech quality and offer audio in high quality.
LED Indicator	Ambient light Solid White: picking up sounds. Solid Red: mute. Green Light: speaker volume Bluetooth light Solid White: Only previously paired devices can connect to Bluetooth. Flashing Blue: Unpaired devices can be paired with Bluetooth. Solid Blue: The speakerphone connects to Bluetooth successfully Light remains off: Bluetooth is off. Power light Charging status: flashing white: charging; solid white: charging completed Non-charging status: solid red: battery ≤ 15%; solid yellow: 15% < battery ≤ 30%; solid white: battery > 30%

Communication	
Communication Method	Bluetooth, USB Dongle, USB cable
Wireless Communication Distance	10 m
Wired Communication Distance	Cable length: 2 m, optional 5m

Battery	
Capacity	7.2 V/3700 mAh
Battery Life	10 hours when the volume is turned on to 75%. The actual battery life depends on the usage environment and the battery health.
Charging Temperature	0 °C to 45 °C (32 °F to 113 °F)
Discharging Temperature	-20 °C to 60 °C (-4 °F to 160 °F)

Storage Temperature	0 °C to 35 °C (32 °F to 95 °F) (less than one year)
Quick Charge Protocol	PD 3.0 Protocol
Interface	
Cable	Cable in package: type-C-to-C interface (with a type-C-to-A adapter on the cable)
Device Interface	USB Type C
Compatibility	
System Requirement	Windows XP/7/8/10/11 Android 8.1 and above version Linux 4.14 and above version macOS 10.12 and above version
General	
Power	5 VDC ± 5%, max. 4.8 W
Operating Condition	-10 °C to 45 °C (14 °F to 113 °F). Humidity 90% or less (non-condensing)
Dimension	142.2 mm × 93.9 mm × 69.2 mm (5.60" × 3.70" × 2.72")
Package Dimension	273 mm × 140 mm × 82 mm (10.75" × 5.51" × 3.23")
Weight	Approx. 645 g (1.42 lb.)
With Package Weight	Approx. 1190 g (2.62 lb.)
Color	Silver gray
Packing List	Speakerphone × 1 USB Dongle × 1 USB 3.0 cable (2 m) × 1 Quick Start Guide × 1 Storage case box × 1