

Professional Cameras design for

- Web Conferencing
- Educational integration
- Broadcasting system
- Digital Court
- Remote medical system
- Windows Conference Terminal

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<https://www.oneking.cn>

Version : 2024.05 Product updates without prior notice



HD Video PTZ Cameras  
Professional Manufacturer

## 2024 CATALOGUE



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Shenzhen Oneking Technologies Co., Ltd was established in 2005, which is a national high-tech enterprise located in Shenzhen, China.

Oneking is engaged in designing, producing and marketing of the professional PTZ Cameras for Video Conferencing solution over 18 years with utility late-model patents and software copyrights. Since 2001 we had took part in research of network video & audio products in the Institute of Shenzhen University telecommunications, and keep pace with the most advanced Technologies.

Our products including USB2.0, USB3.0, HD-SDI, DVI, LAN cameras and USB, Bluetooth wireless microphone, speakerphone. Which will be used widely in remote conference solution, broadcast, university online education, telemedicine, church, government, etc. We have obtained the CCC, CE, FCC, RoHS of products, and ISO9001 quality system management certificates to meet the requirements for domestic and overseas market.

We continuously design better products, support better services, share more profits for all of our partners. And we support OEM, ODM services which export to 35 more countries with many exclusive agencies with strictly quality management.

- ISO9001:2015 certified factory
- RoHS processing production lines
- CE, FCC, C-tick, CSA, SAA, CB certified products
- National high-tech enterprise certification
- Private design patents and 14 software copyrights
- Professional audio video conference solution



Friendly Company Receptionist



Innovative R&D Team



Professional R&D Test Room



Clean And Neat Manufacturer Line



Carefully Working Product Inspector



Safely And Properly Organized Warehouse



Orderly Product Packaging Line



Product Packing And Dispatching



An Aging Test That All Products Must Pass



ISO9001: 2015 Certified Factory And RoHS Processing Production Line



**4K UHD VIDEO PTZ CAMERA**

H5-A1/H5-A3/H5-A4 .....	01
H5-D1/H5-C2/H5-C3 .....	03
HD912-U30-U8/HD920-U30-U6/HD930-U30-UC .....	05
H1-UHAB .....	07
H1-U3B/H1-UAB .....	09
H4-U3B/H4-UAB .....	11
H3-U3B/H3-UAB .....	13
H1-L1M-4K .....	15

**WIRELESS VIDEO PTZ CAMERA**

H1-D3M-W / H1-S3M-W / H1-SAM-W .....	17
--------------------------------------	----

**USB 2.0 VIDEO PTZ CAMERA**

H1-S3M/H1-SAM .....	19
H3-S3M/H3-SAM .....	21
H4-S3M/H4-SAM .....	23
HD653-S3M/HD653-SAM .....	25
HD910-U20-P7/HD912-U20-P8/HD920-U20-P5 .....	27

**WIRELESS SPEAKERPHONE**

KS-GU1G .....	29
KSU-B1G .....	31
KS-G3B-22M .....	33
KS-G4B-12 .....	35

**4K VIDEO CAMERA WITH EXPANSION MICROPHONE**

KS-V3B-U4H .....	37
------------------	----

**USB WEB CAMERA**

KV-14B .....	39
KV-24B .....	41

**PORTABLE CONFERENCE CAMERA**

DCC-12B .....	43
DCC-13B .....	45
KP-F11-G .....	47
WINDOWS CONFERENCE TERMINAL .....	49

NOTE .....	51
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H5-A1 / H5-A3 / H5-A4

**4K ULTRA HD**



**Advanced New 4K UHD PTZ Camera Design**  
Private Tooling & Patent Design

**3840X2160@30fps**  
1/2.8" Progressive COMS, 8.42 M pixel quality sensor output 4K@30fps

**HD optic lens, 12X/21X/30X**  
12X/21X/30X Optical zoom, HOV 72.6/59.8/59 degree Wide view angle

**AI AUTO Tracking**  
Auto frame keep everyone in centre when people join or exit meeting

**PTZ Mechanism**  
Pan movement  $\pm 165^\circ$ , Tilt Movement:  $-30^\circ \sim +90^\circ$

**PTZ Control protocol**  
PELCO-D, VISCA, PELCO-P, UVC1.5

**Network protocol**  
RTSP, RTMP, ONVIF

**Video output connector**  
3G-SDI, HDMI, USB3.0, LAN

**PoE function**  
Support Power over ethernet

4K UHD PTZ Camera Parameters			
Sensor	1/2.8" Progressive COMS, 8.42 megapixel		
Optical zoom	12X	21X	30X
Digital zoom	16X(max)	16X(max)	16X(max)
Focus	f=4.14-47.08mm	f=5.33-107mm	f=5.2-148.4mm
Iris	F1.8 ~ F2.8	F1.65-F3.8	F1.3-F4.8
HOV	7.4°-72.6°(V: 4.16°-40.83°, D: 8.4°-80.1°)	4.2°-59.8°(V: 2.36°-33.63°, D: 4.88°-66.92°)	3°-59°(V: 1.68°-33°, D: 3.54°-65.9°)
Shutter	1/25 ~ 1/10,000 S		
White Balance	Auto, Shutter priority		
Backlight Compensation	Support		
Digital noise reduction	2D/3D		

S/N Ratio	$\geq 50\text{dB}$		
Image style	Normal, Clear, Bright, Beauty		
Image Flip	Image reverse, Mirror flip		
Screen display mode	Horizontal, vertical		
AI	AI tracking		
Pan movement	$\pm 165^\circ$		
Tilt Movement	$-30^\circ \sim +90^\circ$		
Pan movement speed	1.7° ~ 86.7°/S		
Tilt movement speed	1.7° ~ 52.2°/S		
Image freeze	Support		
PoE	Support		
TOF	Support	/	/
Preset position	255 (including special preset position)		
Preset position precision	0.1°		
Video output	HDMI: 4KP30fps, 4KP25, 1080P60, 1080P50, 1080P30, 1080P25, 720P60, 720P50 3G-SDI: 1080P60fps, 1080P50, 1080P30, 1080P25, 720P60, 720P50		
OSD Menu	LENS OSD, DOME OSD		
Video output interface			
HDMI	1 x HDMI 1.4b x 1		
3G-SDI	1 x 3G-SDI; BNC type, 800mVp-p, 75Ω, SMPTE 424M standard		
LAN	1 x RJ45: 10M/100M/self-adaptable LAN		
Audio input	1 x Line IN, 1 x 3.5mm audio input socket		
USB	1x USB 3.0 Type-C		
Power supply	JEITA (DC IN 12V)		
Communication control interface	1x RS-232C IN: 8 pin DIN, 30m max, VISCA/PELCO-D/PELCO-P protocol 1x RS-232C Out: 8 pin DIN, 30m max, VISCA/PELCO-D/PELCO-P protocol 1x RS422: 4 PIN Phoenix, 1200m max distance, VISCA/PELCO-D/PELCO-P protocol		
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps		
Network features			
Video encoding	H.265/H.264/MJPEG		
Streaming	Main stream: 3840x2160, 1920x1080, 1280x720 Sub-stream: 704x576, 640x480, 640x360, 576x480, 352x288, 320x240, 320x180		
Video bit rate	Main stream: 100bps-40960kbps Sub-stream: 100bps-4096kbps		
Bit rate control	Variable or fixed bit rate		
Frequency	5fps-30fps		
Audio encoding	AAC, G.726, G.711a, G.711u		
Audio bit rate	32kbps, 40kbps, 48kbps, 64kbps, 96kbps, 128kbps		
Network protocols	TCP/IP, HTTP, RTSP, RTMP/RTMP, Onvif, DHCP, Multicast, GB/T28181		
USB connector info			
Support OS	Windows7, Windows8, Windows10, Windows11, MacOS, Linux2.4.6 or later versions, Kylin, UOS, Android included UVC related driver versions.		
Color space	YUY2/H.264/MJPEG		
Video output format	H.264,MJPEG,YUY2: 3840x2160,2560x1440,1920x1080,1600x896,1280x720,1024x768,1024x576,720x576,960x540,848x480,800x600,800x448,640x480,640x360,480x272,325x288,320x240 H.264,MJPEG: 3840x2160,2560x1440 support 30fps, 25fps, 20fps, 15fps, 10fps, 5fps. Other resolutions support 60fps, 30fps, 25fps, 20fps, 15fps, 10fps, 5fps. YUY2: 3840x2160,2560x1440 support 15fps, 10fps, 5fps. Other resolutions support 60fps, 30fps, 25fps, 20fps, 15fps, 10fps, 5fps.		
USB video	UVC1.0, UVC1.1, UVC1.5		
UVC PTZ Control	Support		
General info			
Power supply	JEITA Type DC12V 2A or PoE(802.3af)		
Consumption	< 12W		
Working Environment	Working temperature 0°C~50°C, working humidity 0%~95%, Storage temperature -40°C~60°C		
Dimension (LxWxH)	224mm×132mm×162mm		
Weight	1500g		
Color	Gray		

H5-D1 / H5-C2 / H5-C3

**4K ULTRA HD**



**Advanced New 4K UHD PTZ Camera Design**  
Private Tooling & Patent Design

**3840X2160@30fps**  
1/2.8" Progressive COMS, 8.42 M pixel quality sensor output 4K@30fps

**HD optic lens, 12X/16X/20X**  
12X/16X/20X optical zoom, HOV 80.6/55.4/56.8 degree Wide view angle

**AI AUTO Tracking**  
Auto frame keep everyone in centre when people join or exit meeting, support face or gesture recognition

**PTZ Mechanism**  
Pan movement  $\pm 165^\circ$ , Tilt Movement:  $-30^\circ \sim +90^\circ$

**PTZ Control protocol**  
PELCO-D, VISCA, PELCO-P, UVC1.5

**Network protocol**  
RTSP, RTMP, ONVIF

**Video output connector**  
3G-SDI, HDMI, USB3.0, LAN

**PoE function**  
Support Power over ethernet

4K UHD PTZ Camera Parameters			
Sensor	1/2.8" Progressive COMS, 8.42 megapixel		
Optical zoom	12X	16X	20X
Digital zoom	16X(max)	16X(max)	16X(max)
Focus	f=3.42-40.02mm	f=5.9-94.4mm	f=5.4-110mm
Iris	F1.8 ~ F3.7	F1.8 ~ F2.6	F1.6-F3.6
HOV	7.9°-80.6°(V: 4.5°-49.6°, D: 9°-89.5°)	3.55°-55.4°(V: 2°-31.6°, D: 4.05°-62.6°)	3°-56.8°(V: 1.7°-32.4°, D: 3.4°-65.5°)
Shutter	1/25 ~ 1/10,000 S		
White Balance	Auto, Shutter priority		
Backlight Compensation	Support		

Digital noise reduction	2D/3D		
S/N Ratio	$\geq 50\text{dB}$		
Image style	Normal, Clear, Bright, Beauty		
Image Flip	Image reverse, Mirror flip		
Screen display mode	Horizontal, vertical		
AI	AI tracking, face recognition, gesture recognition		
Pan movement	$\pm 165^\circ$		
Tilt Movement	$-30^\circ \sim +90^\circ$		
Pan movement speed	1.7° ~ 86.7°/S		
Tilt movement speed	1.7° ~ 52.2°/S		
Image freeze	Support		
PoE	Support		
TOF	/	Support	/
Preset position	255 (including special preset position)		
Preset position precision	0.1°		
Video output	HDMI: 3840x2160P 60/30/25/29.97/23.98fps 1920x1080P, 1280x720P 60/50/30/25/29.97/23.98fps 3G-SDI: 1920x1080P, 1280x720P 60/50/30/25/29.97/23.98fps		
OSD Menu	LENS OSD, DOME OSD		
Video output interface			
HDMI	1 x HDMI 1.4b x 1		
3G-SDI	1 x 3G-SDI; BNC type, 800mVp-p, 75Ω, SMPTE 424M standard		
LAN	1 x RJ45: 10M/100M/self-adaptable LAN		
Audio input	1 x Line In/Line out, 3.5mm audio socket		
USB	1x USB 3.0 Type-C		
Power supply	JEITA (DC IN 12V)		
Communication control interface	1x RS-232C IN: 8 pin DIN, 30m max, VISCA/PELCO-D/PELCO-P protocol 1x RS-232C Out: 8 pin DIN, 30m max, VISCA/PELCO-D/PELCO-P protocol 1x RS422: 4 PIN Phoenix, 1200m max distance, VISCA/PELCO-D/PELCO-P protocol		
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps		
Network features			
Video encoding	H.265/H.264/MJPEG		
Streaming	Main stream: 3840x2160, 1920x1080, 1280x720, 1024x576 Sub-stream: 704x576, 640x480, 320x240		
Video bit rate	Main stream: 32kbps-51200kbps Sub-stream: 32kbps-20480kbps		
Bit rate control	Variable or fixed bit rate		
Frequency	50HZ: 1fps-50fps, 60HZ: 1fps-60fps		
Audio encoding	AAC, G.711A		
Audio bit rate	96kbps, 128kbps		
Network protocols	SRT, TCP/IP, UDP, HTTP, FTP, NTP, DNS, DHCP, ARP, RTSP, RTP, RTCP, RTMP, Onvif, NDI		
USB connector info			
Support OS	Windows7, Windows8, Windows10, Windows11, MacOS, Linux2.4.6 or later versions, Android included UVC related driver versions.		
Color space	YUY2/H.264/MJPEG		
Video output format	H.264, MJPEG, YUY2: 3840x2160, 1920x1080, 1280x720, 800x600, 640x480, 704x576, 320x240 H.264, MJPEG: support 30fps, 25fps YUY2: 3840x2160 support 15fps, other resolutions support 30fps, 25fps		
USB video	UVC1.1, UVC1.5		
UVC PTZ Control	Support		
General info			
Power supply	JEITA Type DC12V 2A or PoE(802.3af)		
Consumption	< 12W		
Working Environment	Working temperature 0°C~50°C, working humidity 0%~95%, Storage temperature -40°C~60°C		
Dimension (LxWxH)	224mm×132mm×162mm		
Weight	1500g		
Color	Gray		

HD912-U30-U8 / HD920-U30-U6 / HD930-U30-UC



## Premium 4K UHD PTZ Camera Design Private Tooling & Patent Design

 **4K@30fps, 1080p@60fps**  
1/2.8" CMOS, 8.29M pixel quality sensor output 4K@30fps

 **HD optic lens, 12X/20X/30X**  
12X/20X/30X Optical zoom, HOV 72.0/60.0/61.5 degrees Wide view angle

 **PTZ Mechanism**  
Pan movement  $\pm 165^\circ$ , Tilt Movement:  $-30^\circ \sim +90^\circ$

 **PTZ Control protocol**  
PELCO-D, VISCA, UVC 1.5

 **Video output format**  
USB 3.0 support H.264/MJPEG/YUY2, HDMI 1.4

Image sensor Parameters			
Sensor	1/2.8" CMOS, 8.29 megapixel		
Zoom	12x optical zoom	20x optical zoom	30x optical zoom
Focus	f=4.14-47.08mm	f=5.2 ~ 104mm	f=5.2 ~ 148.4mm
Iris	F1.8-F2.8	F1.5-F3.0	F1.3-F4.8
HOV	6.57°-72.28°	3.2°-60.2°	2.14°-61.5°
Focusing	Auto, Manual		
Exposure	Auto, shutter priority		
Shutter	1/25 ~ 1/10,000s		
White Balance	Auto, Manual		
S/N Ratio	$\geq 50\text{dB}$		
Backlight Compensation	Support		
Image Flip	Image reverse, Mirror flip		
Image Style	Normal, Clear, Bright, Beauty		
Screen display mode	9:16 Horizontal screen display mode, 16:9 Vertical screen display mode		
60fps	up to 60 frames at 1080p and downgrade		
Video adjustable	Brightness, Contrast, Hue, Saturation, Clarity, Gama, Gain control		
OSD Menu	Chinese, English		
PTZ Parameters			
Horizontal Movement	$-165^\circ \sim +165^\circ$		
Tilt Movement	$-30^\circ \sim +90^\circ$		
Horizontal movement speed	$0.9^\circ \sim 42.2^\circ/\text{S}$		
Tilt movement speed	$1^\circ \sim 35.2^\circ/\text{S}$		
Speed Match	Support		
Command Protocol	VISCA, PELCO-D		
Preset Position	255 (including special preset position)		
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps		
Input/output Connectors			
DC IN	DC IN 12V		
Control Interface	1xRS-232 IN / 1xRS-485		
USB 3.0 B type	1xUSB3.0 B type, support UVC H.264/MJPEG/YUY2: 3840x2160, 2560x1440, 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 720x576, 960x540, 848x480, 800x600, 800x448, 640x480, 640x360, 480x272, 325x288, 320x240 H.264/MJPEG: Resolution 3840x2160, 2560x1440 support 30fps, 25fps, 20fps, 15fps, 10fps, 5fps, other resolution support 60fps, 30fps, 25fps, 20fps, 15fps, 10fps, 5fps YUY2: 3840x2160@15fps, 2560x1440@ 15 fps, 1080p@60fps, ion support 60fps, 30 fps, 25 fps, 20fps , 15 fps, 10 fps, 5 fps		
HDMI	1xHDMI V1.4 1920x1080P@60, 1920x1080P@30, 1920x1080P@50, 1920x1080P@25, 1280x720P@60, 1280x720P@50		
General info			
Consumption	<12W		
Working Environment	Working temperature $0^\circ \sim 50^\circ$ , working humidity 0% ~ 95%		
Dimension(LxWxH)	145mm x 148mm x 160mm		
Weight	915g		
Color	Gray		

# 4K UHD 10X Optical Zoom Wide View Angle USB3.0+HDMI

H1-UHAB



**4K@30fps, 1080p@60fps**  
1/2.8" CMOS, 8.29M pixel quality sensor output 4K@30fps

**Classic 4K UHD PTZ Camera Design**  
Private Tooling & Patent Design

**HD optic lens, 10X**  
10X optical zoom, HOV 60 degrees Wide view angle, f=5.15-51.5mm

**PTZ Mechanism**  
Pan movement  $\pm 165^\circ$ , Tilt Movement:  $\pm 30^\circ$

**PTZ Control protocol**  
PELCO-D, VISCA, UVC 1.5

**Easy Operation, Plug & Play**  
USB3.0 Type B and HDMI V1.4, 12V Power supply



Image sensor Parameters	
Sensor	1/2.8"HD Color CMOS Sensor, 3864 (H) × 2160 (V) approx. 8.29 M pixels
Min Scene illumi	0.5Lux at F2.0
Shutter speed	1/25 ~ 1/10,000 second
White Balance	Auto, Manual, ATW, INDOOR, OUTDOOR
Iris	F2.36-F2.4
Lens focus	f=4.7-47mm
Zoom	10X Optical zoom
HOV	60.0° ~ 6.0°
Wide dynamic & Back Compensation	Supported
Operation System	Windows XP, Windows Vista, Windows 7/8/10, Mac OS X, Linux
USB Interface	USB 3.0 type B female jack
Video Compression	H.264, MJPEG, YUY2
USB3.0 Output Video format	H.264/MJPEG: 3840x2160@30fps, 2560X1440@30fps/25/20/15/10/5fps, 1080p@60fps, 1600x896, 1024x768, 1024x576, 720P, 540P, 848x480, 800x600, 800x448, 720x576, 640x480, 360P, 80x272, 352x288, 320x240@60fps YUY2: 3840X2160, 2560X1440@15, 10, 5FPS, 1080P@60fps
HDMI output	1CH HDMI V1.4 1920X1080P@60fps, 1920x1080p@30fps, 1920X1080P@50fps, 1920x1080p@25fps, 1280x720p@60fps, 1280x720p@50fps
UVC 1.5	Support
Control Protocol	VISCA, Pelco-D
Baud Rate	4800 / 2400 / 9600 / 38400 bps
Preset	64
Speed Matching Function	Support
H & V Image Flip	Horizontal/Vertical image flip optional
Pan Speed Range	0.1-40 degrees/s
Tilt Speed Range	0.1-40 degrees/s
Pan Rotation Angle	$\pm 165^\circ$
Tilt Rotation Angle	+ 30° , - 30°
Remoter Control	IR Wireless remote control P/T/Z, OSD Menu
Power Supply	DC IN 12V
Operation Temperature	0°C ~ 50°C
Environmental humidity	10-95%RH(non-condensation)
Length X width X high	Camera unit: L 180mm x W 112mm x H129mm
	Package: 302mm x 218mm x 120mm
Weight	650g

H1-U3B / H1-UAB



**Classic 4K UHD PTZ Camera Design**  
Private Tooling & Patent Design

**Smart AI auto frame**  
Auto frame person in the centre of meeting on screen

**10cm distance Macro focus (3X only)**  
Close up shoot and focus automatically

**4K@30fps, 1080p@60fps**  
1/2.8" CMOS, 8.29M pixel quality sensor output 4K@30fps

**HD optic lens, 3X/10X**  
3X/10X optical zoom, HOV 90.0/60.0 degrees Wide view angle

**PTZ Mechanism**  
Pan movement  $\pm 165^\circ$ , Tilt Movement:  $\pm 30^\circ$

**PTZ Control protocol**  
PELCO-D, VISCA, UVC 1.5

**Video output format**  
USB 2.0 B type

Image sensor Parameters	
Sensor	1/2.8" CMOS, 8.29 megapixel
Zoom	3X Optical zoom      10X Optical zoom
Focus	f=3.6-10.8mm      f=4.7-47mm
Iris	F1.7 ~ F3.3      F2.36-F2.4
HOV	90.0° ~ 30.0°      60.0° ~ 6.0°
Focusing	Auto, Manual
Exposure	Auto, Fixed
Shutter	1/25 ~ 1/10,000s
White Balance	Auto, Manual      Auto, Manual, ATW, INDOOR, OUTDOOR
S/N Ratio	$\geq 50$ dB
Backlight Compensation	Support
Image Flip	Image reverse, Mirror flip
Image Style	Normal, Clear, Bright, Beauty
Screen display mode	9:16 Horizontal screen display mode, 16:9 Vertical screen display mode
60fps	up to 60fps at 1080p and downgrade video format
Video adjustable	Brightness, Contrast, Hue, Saturation, Clarity, Gama, Gain control
AI	Auto frame function to move all people in centre of video on screen
OSD Menu	Chinese, English
PTZ Parameters	
Horizontal Movement	$-165^\circ \sim +165^\circ$
Tilt Movement	$-30^\circ \sim +30^\circ$
Horizontal movement speed	$1^\circ \sim 40.3^\circ/S$
Tilt movement speed	$0.8^\circ \sim 26.6^\circ/S$
Speed Match	Support
Command Protocol	VISCA, PELCO-D
Preset Position	64 (including special preset position)
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps
Input/output Connectors	
DC IN	DC IN 12V
Control Interface	1xRS-232 IN / 1xRS-485
USB 2.0 B type	1XUSB2.0 B type, support UVC1.5 protocol H.264/MJPEG: 3840x2160, 2560x1440, 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 720x576, 960x540, 848x480, 800x600, 800x448, 640x480, 640x360, 480x272, 325x288, 320x240 YUY2: 848x480@25fps, 800x600@25fps, 800x448@25fps, 640x480@30fps, 640x360@30fps, 480x272@30fps, 325x288@30fps, 320x240@30fps MJPEG: Resolution 3840x2160, 2560x1440 support 30fps max. H.264 support 2160p@20fps, others format support 30fps
General info	
Consumption	<12W
Working Environment	Working temperature $0^\circ \sim 50^\circ$ , working humidity 0% ~ 95%
Dimension(LxWxH)	180mm x 112mm x 129mm
Weight	650g
Color	Black, Silver



H4-U3B / H4-UAB



**Classic 4K UHD PTZ Camera Design**  
Private Tooling & Patent Design

**Smart AI auto frame**  
Auto frame person in the centre of meeting on screen

**10cm distance Macro focus (3X only)**  
Close up shoot and focus automatically

**4K@30fps, 1080p@60fps**  
1/2.8" CMOS, 8.29M pixel quality sensor output 4K@30fps

**HD optic lens, 3X/10X**  
3X/10X Optical zoom, HOV 90.0/60.0 degrees Wide view angle

**PTZ Mechanism**  
Pan movement  $\pm 165^\circ$ , Tilt Movement:  $\pm 30^\circ$

**PTZ Control protocol**  
PELCO-D, VISCA, UVC 1.5

**Video output format**  
USB 2.0 B type

Image sensor Parameters	
Sensor	1/2.8" CMOS, 8.29 megapixel
Zoom	3X Optical zoom      10X Optical zoom
Focus	f=3.6-10.8mm      f=4.7-47mm
Iris	F1.7 ~ F3.3      F2.36-F2.4
HOV	90.0° ~ 30.0°      60.0° ~ 6.0°
Focusing	Auto, Manual
Exposure	Auto, Fixed
Shutter	1/25 ~ 1/10,000s
White Balance	Auto, Manual      Auto, Manual, ATW, INDOOR, OUTDOOR
S/N Ratio	$\geq 50$ dB
Backlight Compensation	Support
Image Flip	Image reverse, Mirror flip
Image Style	Normal, Clear, Bright, Beauty
Screen display mode	9:16 Horizontal screen display mode, 16:9 Vertical screen display mode
60fps	up to 60fps at 1080p and downgrade video format
Video adjustable	Brightness, Contrast, Hue, Saturation, Clarity, Gama, Gain control
AI	Auto frame function to move all people in centre of video on screen
OSD Menu	Chinese, English
PTZ Parameters	
Horizontal Movement	$-165^\circ \sim +165^\circ$
Tilt Movement	$-30^\circ \sim +30^\circ$
Horizontal movement speed	$1^\circ \sim 40.3^\circ/S$
Tilt movement speed	$0.8^\circ \sim 26.6^\circ/S$
Speed Match	Support
Command Protocol	VISCA, PELCO-D
Preset Position	64 (including special preset position)
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps
Input/output Connectors	
DC IN	DC IN 12V
Control Interface	1xRS-232 IN / 1xRS-485
USB 2.0 B type	1XUSB2.0 B type, support UVC1.5 protocol H.264/MJPEG: 3840x2160, 2560x1440, 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 720x576, 960x540, 848x480, 800x600, 800x448, 640x480, 640x360, 480x272, 325x288, 320x240 YUY2:848x480@25fps, 800x600@25fps, 800x448@25fps, 640x480@30fps, 640x360@30fps, 480x272@30fps, 325x288@30fps, 320x240@30fps MJPEG: Resolution 3840x2160, 2560x1440 support 30fps max. H.264 support 2160p@20fps, others format support 30fps
General info	
Consumption	<12W
Working Environment	Working temperature $0^\circ \sim 50^\circ$ , working humidity 0% ~ 95%
Dimension(LxWxH)	144mm x 144mm x 131.5mm
Weight	650g
Color	Black, Silver

# 4K UHD 3X/10X Optical Zoom PTZ Camera with L-bracket for large LED Screen

H3-U3B / H3-UAB



**4K UHD PTZ Camera Design typically for Large Screen display**  
Private Tooling & Patent Design

**Smart AI auto frame**  
Auto frame person in the centre of meeting on screen

**10cm distance Macro focus (3X only)**  
Close up shoot and focus automatically

**4K@30fps, 1080p@60fps**  
1/2.8" CMOS, 8.29M pixel quality sensor output 4K@30fps

**HD optic lens, 3x**  
3x optical zoom, HOV 90 degrees Wide view angle, F1.7-F3.3

**PTZ Mechanism**  
Pan movement  $\pm 75^\circ$ , Tilt Movement:  $\pm 30^\circ$

**PTZ Control protocol**  
PELCO-D, VISCA, UVC 1.5

**Video output format**  
USB 2.0 B type

Image sensor Parameters	
Sensor	1/2.8" CMOS, 8.29 megapixel
Zoom	3X Optical zoom      10X Optical zoom
Focus	f=3.6-10.8mm      F5.15-51.5mm
Iris	F1.7 ~ F3.3      F1.8-F2.5
HOV	90.0° ~ 30.0°      60.0° ~ 6.0°
Focusing	Auto, Manual      Auto, Manual
Exposure	Auto, Fixed      Auto, Fixed
Shutter	1/25 ~ 1/10,000s      1/25 ~ 1/10,000s
White Balance	Auto, Manual      Auto, Manual, ATW, INDOOR, OUTDOOR
S/N Ratio	$\geq 50$ dB
Backlight Compensation	Support
Image Flip	Image reverse, Mirror flip
Image Style	Normal, Clear, Bright, Beauty
Screen display mode	9:16 Horizontal screen display mode, 16:9 Vertical screen display mode
60fps	up to 60fps at 1080p and downgrade video format
Video adjustable	Brightness, Contrast, Hue, Saturation, Clarity, Gama, Gain control
AI	Auto frame function to move all people in centre of video on screen
OSD Menu	Chinese, English
PTZ Parameters	
Horizontal Movement	$-75^\circ \sim +75^\circ$
Tilt Movement	$-30^\circ \sim +30^\circ$
Horizontal movement speed	$1^\circ \sim 39.5^\circ/S$
Tilt movement speed	$0.8^\circ \sim 26.6^\circ/S$
Speed Match	Support
Command Protocol	VISCA, PELCO-D
Preset Position	64 (including special preset position)
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps
Input/output Connectors	
DC IN	DC IN 12V
Control Interface	1xRS-232 IN / 1xRS-485
USB 2.0 B type	1XUSB2.0 B type, support UVC1.5 protocol H.264/MJPEG: 3840x2160, 2560x1440, 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 720x576, 960x540, 848x480, 800x600, 800x448, 640x480, 640x360, 480x272, 325x288, 320x240 YUY2: 848x480@25fps, 800x600@25fps, 800x448@25fps, 640x480@30fps, 640x360@30fps, 480x272@30fps, 325x288@30fps, 320x240@30fps MJPEG: Resolution 3840x2160, 2560x1440 support 30fps max. H.264 support 2160p@20fps, others format support 30fps
General info	
Consumption	<12W
Working Environment	Working temperature $0^\circ \sim 50^\circ$ , working humidity 0% ~ 95%
Dimension(LxWxH)	350mm x 112mm x 139mm
Weight	785g
Color	Silver

H1-L1M-4K



**Premium 4K UHD PTZ Camera Design**  
Private Tooling & Patent Design. Support OEM/ODM.

**4K@30fps**  
1/2.5" CMOS, 8.29M pixel quality sensor output 4K@30fps.

**Wide view angle**  
HOV 87 degrees wide view angle.

**PTZ Mechanism**  
Pan movement 330°, Tilt Movement: 60°.

**PTZ Control protocol**  
PELCO-D, VISCA

**USB Plug and play**  
Plug and play to open HD conference without software driver.

Image sensor Parameters	
Sensor	1/2.5" HD color CMOS, 8.29 megapixel
Zoom	Fixed
Focus	f=3.24mm
Iris	Fixed
HOV	87°
White Balance	Auto
S/N Ratio	≥50dB
PTZ Parameters	
Horizontal Movement	-165° ~ +165°
Tilt Movement	-30° ~ +30°
Horizontal movement speed	1° ~ 40°/S
Tilt movement speed	1° ~ 40°/S
Speed Match	Support
Command Protocol	VISCA, PELCO-D
Preset Position	64 (including special preset position)
Baud Rate	38400bps, 9600bps
Input/output Connectors	
DC IN	DC IN 12V, USB power supply
Control Interface	1xRS-232 IN / 1xRS-485
USB 2.0 B type	1xUSB2.0 B type 3840*2160, 2592*1944, 2048*1536, 1920*1080, 1600*1200, 1280*960, 1280*720, 1024*768, 800*600, 640*480
General info	
Working Environment	Working temperature 0° ~ 50°, working humidity 0% ~ 95%
Dimension(LxWxH)	180mm x 112mm x 129mm
Weight	500g
Color	Black

# RF2.4G Wireless Video PTZ Cameras

H1-D3M-W / H1-S3M-W / H1-SAM-W



- RF2.4G WIFI Connection**  
15meters distance flexible deployment without complicated wiring.
- Classic 4K UHD PTZ Camera private design**  
Private tooling & patent design.
- RF2.4G or Type C cable connection**  
IEEE 802.11 b/g/n protocol, and Type-C cable.
- 4K@30fps, 1080p@60fps**  
1/2.8" CMOS, 8.29M pixel quality sensor output 4K@30fps
- 3X & 10 X Optical zoom optional**  
3X optical zoom without distortion at HOV 83 degree, 3X with 90 degree, 10X with HOV 62 degree.
- Silent PTZ mechanism**  
Pan: -165 degree ~ +165 degree, Tilt: -30 degree ~+ 30 degree.
- OSD Menu**  
Accessible OSD Menu to adjust different values of brightness, contrast, etc to meet different requirements.

Image sensor parameters			
Model	H1-D3M-W	H1-S3M-W	H1-SAM-W
Digital zoom	3X	3X	10X
Sensor	1/2.8"CMOS, 2.1 Megapixel		
Effective pixel	2.1 Megapixel		
White Balance	Auto / Manual		
Gain control	Fixed aperture		
Backlight compensation	Support		
SNR	>50dB		
FOCUS	F2.5-F3.4	F1.7-F3.0	F1.6-F2.5
Digital zoom	f=3.5-10.5mm	f=3.6-10.8mm	f=4.7-47mm
Zoom	3x Optical Zoom	3x Optical Zoom	10X Optical Zoom
HOV	83°	90°	62°
Exposure	Fixed exposure, AUTO		
Video Output	USB 2.0 Type B	USB 2.0 Type B	USB 2.0 Type B
3.0 USB dongle Video format	MJPEG: 3840x2160, 2560x1440, 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 720x576, 960x540, 848x480, 800x600, 800x448, 640x480, 640x360, 480x272, 325x288, 320x240 YUY2: 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 720x576, 960x540, 848x480, 800x600, 800x448, 640x480, 640x360, 480x272, 325x288, 320x240 MJPEG, YUY2 frames per second: 30, 25, 20, 15, 10, 5fps		
Control Interface	USB	USB	USB
PTZ Control Protocol	VISCA,PELCO-D	VISCA,PELCO-D,UVC	VISCA,PELCO-D,UVC
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps		
Patrol tours	4		
Preset	64		
OSD Menu	LENS OSD/DOME OSD		
Speed Matching Function	Support		
Shutter speed	1/25-1/10,000second		
Transmit power	802.11b: 16.5dBm, 802.11g: 14.5dBm, 802.11n HT20: 13.5dBm, 802.11n HT40: 12.5dBm		
Frequency range	2.4 GHz (2412MHz~2484MHzs)		
WiFi protocol	IEEE 802.11 b/g/n		
Transmit distance	15meters max. Without obstacle		
Video Transmit Latency	280ms		
Digital noise reduction	2D/3D digital noise reduction		
Image style	TYPICAL, BRIGHT, BEAUTY, CONTRAST		
Image Auto Flip	Mirror/Flip		
Pan Speed	0.1-40 degrees/s		
Tilt Speed	0.1-40 degrees/s		
Pan Rotation Angle	0-330 degree		
Tilt Rotation Angle	+ 30, - 30 degree		
Auto Pan Scan	Support		
Remoter Control	IR Wireless remote control P/T/Z		
Power	DC IN 12V		
Control interface	1ch RS-232 IN/1ch RS-485		
Type C connector	1ch x USB2.0 B, support UVC 1.5 H.264 / MJPEG: 1080P, 1600x896, 1024x768, 1024x576, 720P, 540P, 848x480, 800x600, 800x448, 720x576, 640x480, 360P, 480x272, 352x288, 320x240 YUY2: 848x480, 800x600, 800x448, 720x576, 640x480, 360P, 480x272, 352x288, 320x240 MJPEG / H264 frames: support 30fps YUY2 frames: 848x480, 800x600, 800x448 support 25fps, and other resolution support 30fps		
Power consumption	<12W		
Operation Temperature	0°C ~ 50°C		
Environmental humidity	0-95%RH (non-condensaion)		
Length X width X high	L180mm x W112mm x H129mm		
Weight	520g	550g	580g

H1-S3M / H1-SAM



**Premium PTZ Camera Design**  
Private Tooling & Patent Design. Support OEM/ODM.

**1080p@30fps**  
1/2.8" CMOS, 2.1M pixel quality sensor output 30fps.

**HD optic lens, 3X/10X**  
3X/10X optical zoom, HOV 84.0/62.0 degrees Wide view angle, F1.7-F3.0.

**10cm distance Macro focus (3X only)**  
Close up shoot and focus automatically.

**Video output format**  
USB 2.0 B type.

**PTZ Control protocol**  
PELCO-D, VISCA, UVC 1.5.

Image sensor Parameters	
Sensor	1/2.8" CMOS, 2.1 megapixel
Zoom	3X 10X
Focus	f=3.3-10mm f=4.7-47mm
Iris	F1.7 ~ F3.0 F1.6-F2.5
HOV	84° 62°
Focusing	Auto
White Balance	Auto, Manual
Backlight Compensation	Support
Image Flip	Image reverse, Mirror flip
Image Style	Normal, Clear, Bright, Beauty
Video adjustable	Brightness, Contrast, Hue, Saturation, Clarity, white balance, Back light
OSD Menu	Chinese, English
PTZ Parameters	
Horizontal Movement	-165° ~ +165°
Tilt Movement	-30° ~ +30°
Horizontal movement speed	1° ~ 40.3°/S
Tilt movement speed	0.8° ~ 26.6°/S
Speed Match	Support
Command Protocol	VISCA, PELCO-D
Preset Position	64 (including special preset position)
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps
Input/output Connectors	
DC IN	DC IN 12V
Control Interface	1xRS-232 IN / 1xRS-485
USB 2.0 B type	1XUSB2.0 B type, support UVC H.264/MJPEG: 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 960x540, 848x480, 800x600, 800x448, 720x576, 640x480, 640x360, 480x272, 325x288, 320x240 YUY2: 848x480, 800x600, 800x448, 720x576, 640x480, 640x360, 480x272, 352x288, 320x240 H.264/MJPEG: support 30fps YUY2: 848x480,800x600,800x448 support 25 fps , other resolution support 30 fps
General info	
Working Environment	Working temperature 0° ~ 50°, working humidity 0% ~ 95%
Dimension(LxWxH)	180mm x 112mm x 129mm
Weight	520g
Color	Black, Silver

# 1080P 3X/10X Optical Zoom Macro Focus L-type Bracket Design for Large Screen | USB2.0

H3-S3M / H3-SAM



**Premium PTZ Camera Design**  
Private Tooling & Patent Design. Support OEM/ODM.

**1080P@30fps**  
1/2.8" CMOS, 2.1M pixel quality sensor output 30fps.

**HD optic lens, 3X/10X**  
3X/10X optical zoom, HOV 84.0/62.0 degrees Wide view angle.

**10cm distance Macro focus (3X only)**  
Close up shoot and focus automatically.

**Video output format**  
USB 2.0 B type.

**PTZ Control protocol**  
PELCO-D, VISCA, UVC 1.5.

Image sensor Parameters	
Sensor	1/2.8" CMOS, 2.1 megapixel
Zoom	3X 10X
Focus	f=3.3-10mm f=4.7-47mm
Iris	F1.7 ~ F3.0 F1.6-F2.5
HOV	84° 62°
Focusing	Auto
White Balance	Auto, Manual
Backlight Compensation	Support
Image Flip	Image reverse, Mirror flip
Image Style	Normal, Clear, Bright, Beauty
Video adjustable	Brightness, Contrast, Hue, Saturation, Clarity, white balance, Back light
OSD Menu	Chinese, English
PTZ Parameters	
Horizontal Movement	-75° ~ +75°
Tilt Movement	-30° ~ +30°
Horizontal movement speed	1° ~ 39.5°/S
Tilt movement speed	0.8° ~ 26.6°/S
Speed Match	Support
Command Protocol	VISCA、PELCO-D
Preset Position	64 (including special preset position)
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps
Input/output Connectors	
DC IN	DC IN 12V
Control Interface	1xRS-232 IN / 1xRS-485
USB 2.0 B type	1XUSB2.0 B type, support UVC H.264/MJPEG: 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 960x540, 848x480, 800x600, 800x448, 720x576, 640x480, 640x360, 480x272, 325x288, 320x240 YUY2: 848x480, 800x600, 800x448, 720x576, 640x480, 640x360, 480x272, 352x288, 320x240 H.264/MJPEG: support 30fps YUY2: 848x480, 800x600, 800x448 support 25 fps, other resolution support 30 fps
General info	
Working Environment	Working temperature 0° ~ 50°, working humidity 0% ~ 95%
Dimension(LxWxH)	350mm x 112mm x 139mm
Weight	785g
Color	Silver

H4-S3M / H4-SAM









-  **Premium PTZ Camera Design**  
Private Tooling & Patent Design.Support OEM/ODM
-  **1080P@30fps**  
1/2.8" CMOS, 2.1M pixel quality sensor output 30fps
-  **HD optic lens, 3X/10X**  
3X/10x optical zoom, HOV 84.0/62.0 degrees Wide view angle
-  **PTZ Mechanism**  
Pan movement  $\pm 165^\circ$ , Tilt Movement:  $\pm 30^\circ$
-  **PTZ Control protocol**  
PELCO-D, VISCA, UVC 1.5
-  **Video output format**  
USB 2.0 B type

Image sensor Parameters	
Sensor	1/2.8" CMOS, 2.1 megapixel
Zoom	3X
Focus	f=3.3-10mm
Iris	F1.7 ~ F3.0
HOV	84°
Focusing	Auto
White Balance	Auto, Manual
Backlight Compensation	Support
Image Flip	Image reverse, Mirror flip
Image Style	Normal, Clear, Bright, Beauty
Video adjustable	Brightness, Contrast, Hue, Saturation, Clarity, white balance, Back light
OSD Menu	Chinese, English
PTZ Parameters	
Horizontal Movement	-165° ~ +165°
Tilt Movement	-30° ~ +30°
Horizontal movement speed	1° ~ 40.3°/S
Tilt movement speed	0.8° ~ 26.6°/S
Macro focus	Support
Command Protocol	VISCA, PELCO-D
Preset Position	64 (including special preset position)
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps
Input/output Connectors	
DC IN	DC IN 12V
Control Interface	1xRS-232 IN / 1xRS-485
USB 2.0 B type	1XUSB2.0 B type, support UVC H.264/MJPEG: 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 960x540, 848x480, 800x600, 800x448, 720x576, 640x480, 640x360, 480x272, 325x288, 320x240 YUY2: 848x480, 800x600, 800x448, 720x576, 640x480, 640x360, 480x272, 352x288, 320x240 H.264/MJPEG: support 30fps YUY2: 848x480, 800x600, 800x448 support 25 fps , other resolution support 30 fps
General info	
Working Environment	Working temperature 0° ~ 50°, working humidity 0% ~ 95%
Dimension(LxWxH)	144mm x 144mm x 131.5mm
Weight	645g
Color	Silver

HD653-S3M / HD653-SAM



**Premium PTZ Camera Design**  
Private Tooling & Patent Design. Support OEM/ODM.

**1080p@30fps**  
1/2.8" CMOS, 2.1M pixel quality sensor output 30fps.

**HD optic lens, 3X/10X**  
3X/10X optical zoom, HOV 84.0/62.0 degrees Wide view angle

**10cm distance Macro focus**  
Close up shoot and focus automatically.

**Video output format**  
USB 2.0 B type.

**PTZ Control protocol**  
PELCO-D, VISCA, UVC 1.5.

Image sensor Parameters	
Model	HD653-S3M HD653-SAM
Sensor	1/2.8" CMOS, 2.1 megapixel
Zoom	3X 10X
Focus	f=3.3-10mm f=4.7-47mm
Iris	F1.7 ~ F3.0 F1.6-F2.5
HOV	84° 62°
Focusing	Auto
White Balance	Auto, Manual
Backlight Compensation	Support
Image Flip	Image reverse, Mirror flip
Image Style	Normal, Clear, Bright, Beauty
Video adjustable	Brightness, Contrast, Hue, Saturation, Clarity, white balance, Back light
OSD Menu	Chinese, English
PTZ Parameters	
Horizontal Movement	330°
Tilt Movement	-30° ~ +90°
Horizontal movement speed	0.9°-52°/S
Tilt movement speed	2.5°-42.8°/S
Macro focus	Support
Command Protocol	VISCA, PELCO-D
Preset Position	64 (including special preset position)
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps
Input/output Connectors	
DC IN	DC IN 12V
Control Interface	1xRS-232 IN / 1xRS-485
USB 2.0 B type	1XUSB2.0 B type, support UVC H.264/MJPEG: 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 960x540, 848x480, 800x600, 800x448, 720x576, 640x480, 640x360, 480x272, 325x288, 320x240 YUY2: 848x480, 800x600, 800x448, 720x576, 640x480, 640x360, 480x272, 352x288, 320x240 H.264/MJPEG: support 30fps YUY2: 848x480, 800x600, 800x448 support 25 fps , other resolution support 30 fps
General info	
Working Environment	Working temperature 0° ~ 50°, working humidity 0% ~ 95%
Dimension(LxWxH)	124mm x 120mm x 145mm
Weight	680g
Color	Black



# 1080P Full HD 10X/12X/20X Optical Zoom USB2.0

HD910-U20-P7 / HD912-U20-P8 / HD920-U20-P5









- Premium PTZ Camera Design**  
Private Tooling & Patent Design. Support OEM/ODM.
- 1080p@30fps**  
1/2.8" type Exmor CMOS, 2.1M pixel quality sensor output 30fps.
- HD optic lens, 10X/12X/20X**  
10X/12X/20X Optical zoom, HOV 62.0/73.0/60.0 degrees Wide view angle
- PTZ Mechanism**  
Pan movement 355°, Tilt Movement: -30° ~ +90°
- Powerful Compatibility**  
USB plug and play. Easy to connect devices without any driver.
- Installation**  
Various installation methods, Desktop, tripod, wall mount, ceiling mount (support image flip)

Image sensor Parameters			
Model	HD910-U20-P7	HD912-U20-P8	HD920-U20-P5
Sensor	1/2.8" type Exmor CMOS, 2.1 megapixel		
Zoom	10X	12X	20X
Focus	f=4.7-47mm	f=3.9-46.8mm	f=4.7-94mm
Iris	F1.6-F3.0	F1.6-F2.8	F1.6-F3.5
HOV	62°-4°	73°-6.55°	60°-4°
Focusing	Auto, Manual		
White Balance	Auto, Manual		
S/N Ratio	≥50dB		
Backlight Compensation	ON/OFF		
Image Flip	Image reverse, Mirror flip		
Image Style	Normal, Clear, Bright, Beauty		
Video adjustable	Brightness, Contrast, Hue, Saturation, Clarity, white balance, Back light		
OSD Menu	Chinese, English		
PTZ Parameters			
Horizontal Movement	355°		
Tilt Movement	-30° ~ +90°		
Horizontal movement speed	55.5°/S		
Tilt movement speed	54°/S		
Speed Match	Support		
Command Protocol	VISCA, PELCO-D		
Preset Position	64 (including special preset position)		
Baud Rate	38400bps, 9600bps, 4800bps, 2400bps		
Input/output Connectors			
DC IN	DC IN 12V		
Control Interface	1xRS-232 IN / 1xRS-485		
USB 2.0 B type	1XUSB2.0 B type, support UVC H.264/MJPEG/YUY2: 1920x1080,1280x720,800x600,640x480,640x360 30 fps, 25 fps, 20fps, 15 fps, 10 fps, 5 fps		
General info			
Working Environment	Working temperature 0° ~ 50°, working humidity 0% ~ 95%		
Dimension(LxWxH)	148mm x 145mm x 161mm		
Weight	915g		
Color	Gray		

# Wireless Speakerphone

KS-GU1G



-  **Premium Design**  
Private Tooling & Patent Design. Support OEM/ODM.
-  **Flexible solution**  
RF2.4G wireless connected to PC, plug and play.
-  **Digital silicon microphone**  
Full-duplex 360° Omni-directional microphone.
-  **Powerful speaker x 2**  
Echo cancellation and Noise suppression technology.
-  **Rechargeable lithium battery**  
Stand-by up to 90 days, working time up to 10 hours.
-  **Works as a combo**  
It works perfectly with Oneking video conference camera as a combo.



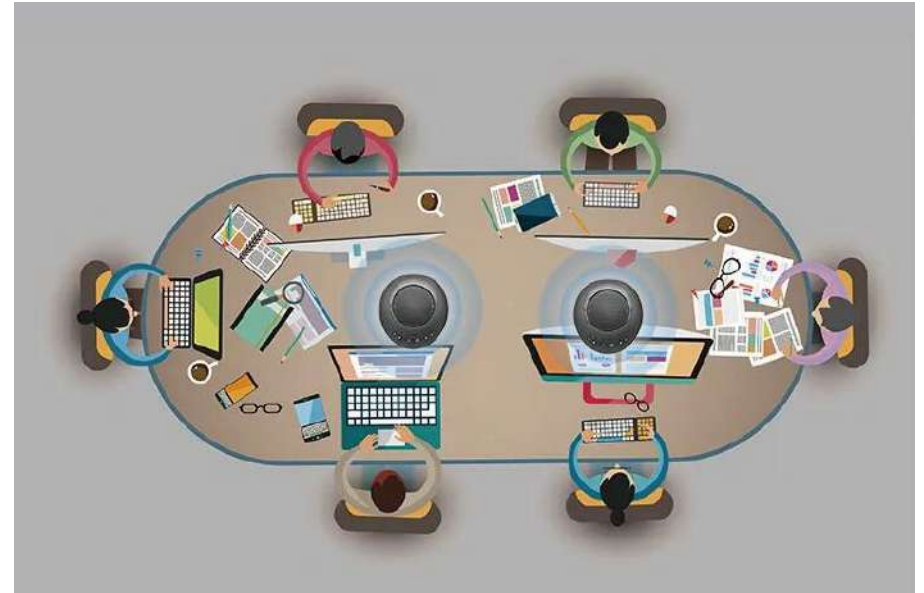
Specification sheet	
Type	Full duplex OMNI-Directional microphone
Sensitivity	-22dBFS
S/N Ratio	60dB
Frequency range	20Hz-15kHz
Speaker	Built in powerful speaker, provided AGC excellent audio quality
Echo cancellation	Advanced echo cancellation up to 256ms
Noise suppression	>15dB
Sampling rate	16kHz/48kHz
Pick up diameter range	Max 3 Meters, suggest to work in 2 meters diameter distance
Transmission mode	Wireless prior / USB cable
Audio output	3.5mm socket for headset
Battery Charge Socket	Mini USB
Control	Button Control or IR Remote control
Button functions	Microphone Mute, Speakerphone Mute, Power on/Off, HiFi mode, Volume UP/Down
Power Charger	DC5V±0.2V, 1A
Battery	2600mA, Talk time up to 10 hours, Fully charged in 4 hours
Stand by	90 days
Work Temperature	0-50°C
Environment Humidity	0-95% RH
L X W X Hmm	178mmx 162mmx 47mm
Weight	450g

KSU-B1G



- Premium Design**  
Private Tooling & Patent Design. Support OEM/ODM.
- Flexible solution**  
RF2.4G wireless connected to PC, plug and play.
- Digital silicon microphone**  
Full-duplex 360° Omni-directional microphone.
- Powerful speaker x 2**  
Echo cancellation and Noise suppression technology.
- Rechargeable lithium battery**  
Stand-by up to 90 days, working time up to 10 hours.
- Works as a combo**  
It works perfectly with Oneking video conference camera as a combo.

Microphone  
Each speakerphone is equipped with full duplex omni-directional microphone provides wide band audio, dual chat pods provide 3 meters \* 2 pick up range.









Specification sheet	
Type	Full duplex OMNI-Directional microphone
Sensitivity	-22dBFS
S/N Ratio	60dB
Frequency range	20Hz-15kHz
Speaker	Built in powerful speaker, provided AGC excellent audio quality
Echo cancellation	Advanced echo cancellation up to 256ms
Noise suppression	>15dB
Sampling rate	16kHz/48kHz
Pick up diameter range	Max 3 Meters, suggest to work in 2 meters diameter distance
Transmission mode	Wireless prior / USB cable
Audio output	3.5mm socket for headset
Battery Charge Socket	Mini USB
Control	Button Control or IR Remote control
Button functions	Microphone Mute, Speakerphone Mute, Power on/Off, HiFi mode, Volume UP/Down
Power Charger	DC5V±0.2V, 1A
Battery	2600mA, Talk time up to 10 hours, Fully charged in 4 hours
Stand by	90 days
Work Temperature	0-50°C
Environment Humidity	0-95% RH
L X W X H mm	178mmx 162mmx 47mm
Weight	940g

# Conference Speakerphone With Expansion Microphones

KS-G3B-22M



-  **Premium Design**  
Private Tooling & Patent Design. Support OEM/ODM.
-  **Flexible solution**  
RF5.8G wireless connected to PC, plug and play.
-  **Digital silicon microphone**  
1-4 Wireless microphones optional to extend voice pick up range for a larger meeting room.
-  **Powerful speaker**  
Integrated full duplex speakerphone with echo and noise cancellation.
-  **Rechargeable lithium battery**  
Stand-by up to 120 days, working time up to 8 hours.
-  **Control**  
Wireless remote control or touch panel.

Built in audio	
Type	Digital silicon Microphone
Sensitivity	Built-in Microphone: -26dBFS
SNR	60dB
Frequency Response	100Hz - 16kHz
Transmit Power	Expansion Microphones: 2.4G: +5dBm USB Dongle: 5.8G: +7dBm
Echo Cancellation	Advanced Echo cancellation technology, echo cancellation time up to 256ms
Noise Cancellation	>20dB
Sampling Rate	48kHz
Voice Pick Up Range	5M
Transmission Model	Wired: USB2.0 cable connection; Wireless: 5.8G
Speaker Power	Double Channels 5Wx 2
Control Mode	Touch panel control /remote control
Button Function	ON/OFF( Battery Check), Volume+, volume-, speaker Mute, Microphone Mute
Remote Function	Audio: Volume+, Volume-, microphone mute, speaker Mute, ON/OFF
Status Display	Colorful LED indicators
Power Adapter	DC12V±0.2V,1A
Working Temperature	-10°C ~ 40°C
Environment Humidity	0-95% RH
Length*Width*Height	400mm×61mm×70mm
Weight	916g
Expansion Microphone(Maximum it can connect 4 expansion Microphones)	
Type	Digital silicon Microphone
Sensitivity	-26dBFS
SN	60dB
Frequency Response	100Hz - 16kHz
Transmitting Power	+5dB
Echo Cancellation	>12dB
Sampling Frequency	48kHz
Voice Pick Up Range	3M
Wireless Transmit Power	2.4G
Microphone Power	0.2W MAX
Power Supply	USB type-C /Charging board charging
Control Mode	Touch button control
Button Function	ON/OFF, Microphone Mute
Status Display	Two-color LED indicator
Power Adapter	Charging board DC5V±0.2V,2A
Battery	800MAH
Standby Time	6 month
Working Time	8 hours
Working Temperature	-10°C ~ 40°C
Environment Humidity	0-95% RH
Length*Width*Height	φ70x49mm
Weight	300g
Charging board	
Input Voltage/Current	5V/2A
Maximum Number of Microphone Get Charged	2 pcs
Single Output Current	600mA
Dimension	200x100x16 (mm)
Weight	170g
Interface	USB-TYPE-C

# Wireless Conference Speakerphone with Dual Mic Pods

Full-Duplex (FDX) | RF5.8G Wireless | 360°Omnidirectional Mic | echo/noise cancellation | 5.2w speaker

KS-G4B-12



## Full Coverage for Home Office & Meeting Rooms

Easy and flexible deployment which it suits to different type of meeting tables as the dual Mic pods are wireless connection between each other.

## Microphone & speaker

2x omni-directional mic array with echo cancellation  
 Pick-up Range: 5m/16.4ft  
 Frequency Response: 100Hz ~ 16KHz  
 Sample Rate: 16 bit 48KHz  
 5.2 watts speaker  
 Integrated full duplex speakerphone with echo and noise cancellation  
 100Hz - 16kHz frequency response

## Control

Physical buttons: volume +/-, microphone mute, speaker mute, power  
 An LED ring on the top of the speakerphone provides real-time feedback of volume level and mute status, and the battery capacity.

## Battery

Main device: 6700mAH battery works in 10 hours, stand by in 6 months  
 Dual Mic Pods: 700mAH battery works in 12 hours, stand by in 6 months  
 4 hours recharge in full capacity

Conference Speakerphone with Dual Mic Pods	
Main device data sheet	
Type	Digital silicon Microphone array
Sensitivity	Internal Microphone: -26dBFS
SNR	64dB
Frequency Response	100Hz - 16kHz
Transmission Power	Dual Mic Pods: 2.4G: +5dBm USB Dongle: 5.8G: +7dBm
Echo Cancellation	256ms echo cancellation time
Noise Cancellation	>20dB
AI noise reduction	Reduce steady state noise when nobody speaks
Sampling frequency	Record/ Playback: 48kHz
Internal Mic pick up range	5 meters / 16.4ft
Transmission type	Type-C cable connects to PC, or RF5.8G wireless
Speaker Power	5.2W Speaker
Battery capacity	6700 mA
Work time	10 Hours
Recharge full time	4~5 Hours
Stand by time	>6 Months
Control Mode	Physical Buttons
Button Function	Volume+, Volume-, Speaker Mute, Microphone Mute, Power
Battery capacity check	Power button
Working Temperature	-10°C ~ 40°C for work, -40°C ~ 50°C for storage
Environment Humidity	0-95% RH
Length*Width*Height	230mm×220mm×48mm
Weight	800g
Dual Mic Pods data sheet	
Type	Digital silicon Microphone
Sensitivity	-26dBFS
SN	64dB
Frequency Response	100Hz - 16kHz
Sampling Frequency	Record: 48kHz
Voice Pick Up Range	5 meters / 16.4ft
Wireless Transmission Model	2.4G ISM
Transmission Power	2.4G: +5dBm
Charge Jack	USB type-C Cable
Control Mode	Physical buttons
Button Function	Power ON/OFF, Microphone Mute
Status Display	Two-color LED indicator
Power adapter	Type C cable + DC5V±0.2V,2A
Battery	700MAH
Standby Time	6 Month
Working Time	>12 Hours
Working Temperature	-10°C ~ 40°C
Environment Humidity	0-95% RH
Length*Width*Height	Φ108x31.5mm
Weight	230g

# 4K Video Conference Camera With Expansion Microphone

KS-V3B-U4H



**All in one Integration**  
Built in camera, speaker and microphone into one device, compact all-in-one design , enhances the exceptional experience of audio/video collaboration.

**Ultra HD 4K Resolution**  
1/2.8 inch high-quality CMOS sensor. achieve 4K (3840 \* 2160) ultra-high resolution high-quality image.

**AI Intelligent Analysis:**  
Built-in intelligent algorithm, automatic zooming of participants

**110° Wide View Angle:**  
With a 110° wide view angle without distortion, can easily cover every corner of the conference room, no worries about where your seat is located.

**Built-in Powerful speaker**  
Integrated 2 pcs 5w full duplex speakerphone with echo and noise cancellation

**Full duplex omni-directional expansion microphone**  
Flexible to put on the meeting table, One touch panel to switch internal or expansion microphones connection

**Multiple installation modes**  
Support Tripod, Desktop or Wall mount installation



4K Audio video All-in-one conference camera		
Model no.	KS-V3B-U4H	
Video		
Image sensor	Sensor	1/2.8" SONY CMOS
	EffectivePixel	8 Megapixel
	White Balance	Auto
	Gain control	Auto
	Backlight Compensation	YES
Image sensor	SNR	>50db
	Focus	2.26 mm
	Iris	F1.8
	Zoom	Fixed Lens (Support EPTZ,3x digital zoom)
Horizontal view angle		110°
Video output Interface		USB2.0 type B
Video output Format		MJPEG/H.264: 3840x2160, YUYU:1600x896, 320x240, 352x288, 640x480, 720x576, 2650x1440, 1920x1080, 1600x896, 1280x720, 1 024x768, 1024x576, 960x540, 848x480, 800x600, 800x448, 640x360, 480x272
Built-in Audio		
Built-in Digital silicon Microphone	Type	Digital silicon Microphone
	Sensitivity	Built-in Microphone: -26dBFS
	SNR	60dB
	Frequency response	100Hz - 16kHz
Echo Cancellation		Advanced echo cancellation technology, echo cancellation time up to 256ms
Noise Cancellation		>20dB
Sampling frequency		48kHz
Voice pick up range		3M
Transmission Model		Wired USB2.0 (Between all-in-one device and PC) Wireless,2.4G (Between all-in-one device and Microphone)
Speaker power		Double Channels 5Wx2
Control Mode		Touch button control /remote control
Button function		ON/OFF( Battery Check), Volume+, volume-, speaker Mute, Microphone Mute, Scene switch
Remote function		Audio: Volume+, Volume-, microphone mute, speaker Mute. ON/OFF Video: ZOOM+, ZOOM-, up/down/left/right movement, OSD Menu
status Display		LED indicator
Power adapter		DC12V± 0.2V, 2A
working temperature		-10°C ~ 40°C
environment humidity		0-95% RH
length*width*height		(L) 400 mm x (W) 61 mm x (H) 70 mm
Weight		950g

\*Tips: Please check expansion mics and charging board parameters on page #55 KS-G3B-22M.

KV-14B



**4K UHD Lens**  
8.41M pixel quality sensor output 4K@30fps. Support YUV, MJPEG, H.264 and other encoding video stream output.

**84.5° Wide View Angle**  
84.5° wide view angle, without distortion, can easily cover every corner of the conference room, no worries about where your seat is located.

**Support EPTZ function**  
the electronic pan/tilt rotation and digital zoom function can be realized through the remote control (digital zoom is about 3x)

**Support Auto-Framing**  
Built-in intelligent algorithm, automatic zooming of participants.

**TOF Auto Focus**  
Adopts advanced TOF autofocus function, focus accurately and quickly at all times, regardless of light or environmental conditions, ToF Auto focus distance maximum support 4 meters.

**Support OSD Menu**  
Support adjust video parameters on OSD Menu, More convenient for image setup

**Built-in Microphone**  
Integrated Dual Omni-directional microphone and voice pick up range up to 5 meters








**Plug and Play**  
One USB-C cable for both power supply and video output, reduces wiring make video communication easier



Parameters	
Model	KV-14B
Sensor	1/2.8" CMOS, 8.4 Megapixel
Focal Length	f=3.0mm
Digital zoom	6X
Iris	F2.0
HOV	84.5°
Focus	Auto Focusing
Gain control	fixed aperture
Shutter	1/25 ~ 1/10,000S
White Balance	Auto/Manual
DNR	2D / 3D
SNR	>50dB
Backlight compensation	Support
WDR	Support
Image Flip	Support Image Flip/Mirror
Image Style	Normal, clear, Beauty, Bright
Screen display mode	9:16 Horizontal display mode, 16:9 vertical display mode
60fps	up to 60fps at 1080p and downgrade video format
Video adjustable parameters	Brightness, contrast, tone, saturation, sharpness, gamma curve, gain
AI	auto-frame function to move to move all people in the center of video on screen
TOF	Support TOF Auto Focus
OSD menu	Chinese /English
Audio	Built-in dual microphone
Interface	
USB Interface	1 x Typc-c interface, support UVC, UAC protocol H.264, MJPEG: 3840x2160, 2560x1440, 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 720x576, 960x540, 848x480, 800x600, 800x448, 640x480, 640x360, 480x272, 325x288, 320x240 YUY2: 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 720x576, 960x540, 848x480, 800x600, 800x448, 640x480, 640x360, 480x272, 325x288, 320x240 H.264, MJPEG Resolution: 3840x2160, 2560x1440 support 30fps max, others support 60fps max YUY2 resolution: support 60 fbs max
General info	
Consumption	<5.0W
Working Temperature	Working Temperature 0 ~ 50, Working Humidity 10% ~ 95%
Dimension (LxWxH)	200.6mm x55.4mm x71.5mm
Weight	309.4g
Color	Black

KV-24B



- 
**2K HD Lens**  
 2.1M pixel quality sensor output 1080p@30fps.Support YUV, MJPEG, H.264 and other encoding video stream output.
  
- 
**85.8° Wide View Angle:**  
 85.8° wide view angle, without distortion, can easily cover every corner of the conference room, no worries about where your seat is located.
  
- 
**Support EPTZ function**  
 the electronic pan/tilt rotation and digital zoom function can be realized through the remote control (digital zoom is about 3x)
  
- 
**TOF Auto Focus**  
 Adopts advanced TOF autofocus function, focus accurately and quickly at all times, regardless of light or environmental conditions, ToF Auto focus distance maximum support 4 meters.
  
- 
**Support OSD Menu**  
 Support adjust video parameters on OSD Menu, More convenient for image setup
  
- 
**Built-in Microphone**  
 Integrated One omni-directional microphones and voice pickup range up to 3-5 meters
  
- 
**Plug and Play**  
 One USB-C cable for both power supply and video output, reduces wiring make video communication easier



Parameters	
Model	KV-24B
Sensor	1/2.8" CMOS, 2.1 Megapixel
Focal Length	f=2.88mm
Digital zoom	3X
Iris	F2.2
HOV	85.8°
Focus	Auto Focusing
Gain control	Fixed aperture
Shutter	1/25 ~ 1/10,000S
White Balance	Auto / Manual
DNR	2D / 3D
SNR	>50dB
Backlight compensation	Support
WDR	Support
Image Flip	Support Image Flip/Mirror
Image Style	Normal, Clear, Beauty, Bright
Screen display mode	9:16 Horizontal display mode, 16:9 vertical display mode
Video adjustable parameters	Brightness, contrast, tone, saturation, sharpness, gamma curve, gain
TOF	Support TOF Auto Focus
OSD menu	Chinese /English
Audio	Built-in dual microphone
Interface	
USB Interface	1 x Typc-c interface, support UVC, UAC protocol H.264, MJPEG: 1920x1080, 1600x896, 1280x720, 1024x768, 1024x576, 720x576, 960x540, 848x480, 800x600, 800x448, 640x480, 640x360, 480x272, 325x288, 320x240 YUY2: 800x600, 800x448, 640x480, 640x360, 80x272, 325x288, 320x240 H.264, MJPEG, YUY2 Resolution: support 30fps max
General info	
Consumption	<5.0W
Working Temperature	Working Temperature 0 ~ 50, Working Humidity 10% ~ 95%
Dimension (LxWxH)	200.6mm x55mm x71.5mm
Weight	198.9g
Color	Steel Gray



DCC-12B



- 📺
**Compact all-in-one Design**  
 Integrated camera , microphone and speaker.
- 👁️
**105° Wide View Angle:**  
 105° Wide View Angle maintaining your best viewing angle, without missing any details.
- 🎤
**Built-in Microphone**  
 Integrated One omni-directional microphones and voice pickup range up to 3-5 meters.
- 🔊
**Hi-Fi Speaker**  
 Features in echo cancellation and Noise suppression technology , ensure excellent audio clarity on both ends of the line.
- 👉
**Button control**  
 Button control support switch Hifi mode ,Meeting Mode , Microphone Mute, Volume up and volume down. Easy to operation.
- 🔌
**Video output format**  
 USB -C Type



Specification sheet		
Model No.	DCC-12B	
Image sensor	Sensor	1/2.9" SONY CMOS
	EffectivePixel	2.1 Megapixel
	Min. Illumination	0.5Lux at F2.0
	White Balance	Auto WB
	Gain control	Auto
	S/N Ratio	>50db
Lens	Focus	2.3 MM
	IRIS	Fixed IRIS
	ZOOM	FIXED LENS
	Field of view	105 degrees HOV
	Microphone	Digital Silicon Microphone
	Sensitivity	-22dBFS
	S/N Ratio	60dB
	Frequency range	20Hz-15kHz
Video output	MJPEG: 1080P@30FPS, 720P@30FPS	
UVC	1.5 Protocol	
Tilt	-10°~10° Tilt adjustment	
Power output	5 Watts	
Speaker	Built in powerful speaker, AGC provided excellent audio quality	
Echo cancelation	Advanced echo cancellation up to 256ms	
Noise suppression	>15dB	
Sampling rate	16kHz/48kHz	
Pick up diameter range	works in 3 meters diameter distance	
Buttons	Mute, Volume +/-	
LEDs indicator	5 Groups LEDs show status	
USB Connector	Mini USB2.0	
Humidity	0-95% RH	
Dimension	74mm×72mm×272mm	
Work Temperature	0-50°C	
Environment Humidity	0-95% RH	
L X W X Hmm	178mmx 162mmx 47mm	
Weight	425g	

DCC-13B



- 📺
**Compact all-in-one Design**  
 Integrated camera , microphone and speaker
- 👁️
**105° Wide View Angle:**  
 105° Wide View Angle maintaining your best viewing angle, without missing any details.
- ⚙️
**Support OSD Menu**  
 Support adjust video parameters on OSD Menu, More convenient for image setup
- 🔄
**Support EPTZ function**  
 the electronic pan/tilt rotation and digital zoom function can be realized through the remote control (digital zoom is about 3x)
- 📡
**Support Remote control**  
 IR Remote control access to OSD Menu for values adjustable
- 🎤
**Built-in Microphone**  
 Integrated One omni-directional microphones and voice pickup range up to 3-5 meters
- 🔊
**Hi-Fi Speaker**  
 Features in echo cancellation and Noise suppression technology , ensure excellent audio clarity on both ends of the line
- 🔌
**Video output format**  
 USB -C Type










Specification sheet		
Model No.		DCC-13B
Image sensor	Sensor	1/2.8" HD color CMOS
	EffectivePixel	2.1 Megapixel
	Min. Illumination	0.5Lux at F2.0
	White Balance	Auto
	S/N Ratio	>50db
Lens	Focus	2.3 MM
	IRIS	Fixed IRIS
	ZOOM	Fixed zoom, 3x EPTZ zoom
	Field of view	105 degrees
	Microphone	Full duplex omni-directional microphone
	Sensitivity	-26dBFS
	S/N Ratio	61dB
Frequency range	20Hz-15kHz	
Video output	MJPEG: 1080p, 720p, 800x600, 640x360 YUV:720p, 360p H.264:1080p, 720p, 800x600, 360p	
Tilt	-10°~10° Tilt adjustment	
Power output	5 Watts	
Speaker	Built in powerful speaker, AGC provided excellent audio quality	
Echo cancelation	Advanced echo cancellation up to 256ms	
Noise suppression	>15dB	
Sampling rate	16kHz/48kHz	
Pick up diameter range	works in 3 meters diameter distance	
Touch buttons	Mute, HiFi, Volume +/-	
Remote control	Support	
LEDs indicator	3 LEDs show status	
USB Connector	USB Type-C	
Humidity	0-95% RH	
Dimension	74mm×72mm×272mm	
Work Temperature	0-50°C	
Environment Humidity	0-95% RH	
Weight	560g	

# 360 Degrees Panoramic Video Conference Camera With Speakerphone

KP-F11-G



- 
**360-degree Full view angle**  
 Capturing Panoramic 360-degree Video at 1080P@30FPS
- 
**Built-in Microphone**  
 360 degree audio pick up range of 6 meters
- 
**Voice Tracking**  
 Smart audio Video camera with automatic voice tracking
- 
**Support IR remote**  
 Remote control access to OSD Menu for values adjustable
- 
**Multiple Presentation Mode**  
 Multiple Presentation Mode to highlight the speaker
- 
**Plug and Play**  
 Enjoy easy and simple operation and connection to PC with USB C-type Camera, UVC control available
- 
**UNIVERSALLY COMPATIBLE**  
 Compatible with virtually all web-based video conferencing platforms, including Zoom, GoTo Meeting, Google Meet, Microsoft Teams, Cisco Webex, BlueJeans, and many others.

Panoramic 360-degree Video Conference Camera with Speakerphone	
Model	KP-F11-G
Image Sensor	1/2.8" CMOS ,2.07 Megapixel
Optic lens	4x Optic lens
Focus	f=2.26mm
Iris	F1.8
HOV	360° panorama, close-up a scene
Focus System	Manual
Exposure Control	Auto
Shutter Speed	1/25 ~ 1/10,000 s
White Balance	Auto, Indoor, Outdoor, ATW, Manual Pick-up Radius Ran
Digital Noise Reduction	2D/3D
S/N Ratio	≥50dB
BL Compensation	Support
Wide Dynamic	Support
Image Flip	Mirror, rotate
Video Style	Normal, Clear, Beauty, Bright
Video Adjustable Parameters	Brightness, Contrast, Hue, Saturation, Clarity, Gamma Curve, Gain
OSD MENU	Chinese, English
Voice Tracking features	
Microphone	8 Directional mics array
Scene Switch	Adjustable by OSD Menu
Switch mode	Adjustable by OSD Menu
Audio	
Microphone	4 Directional mics
Sensitivity	-22dBFS
S/N Ratio	60dB
Frequency Range	20HZ~15kHz (Playback: 100HZ-16kHz Record: 100HZ – 8kHz)
Sampling Rate	48kHz (Playback: 48kHz Record: 16kHz )
Automatic Noise Reduction	Support
Automatic Gain Control	Support
Echo Cancellation	Advanced echo cancellation up to 256ms
Pick-up Radius Range	Max 5 Meters, suggest to work in 3 meters distance
Audio Output	1 x 3.5mm Line OUT
Interface	
Power Supply	JEITA Type, DC IN 12V 1A input
Control	IR Remote control with 12 keys
Audio Interface	1 x Line OUT, 3.5mm
USB Interface	1 x Type-C, support UVC, UAC Protocol, support Type-C for power supply, support USB2.0/USB3.0 MJPEG : 1080p@30/25/20/15/10/5fps, 720P@30fps, 360P, 800x600, 640x480, 320P, 240P, YUY2: 1080P@10/5fps, 720P@15fps
Normal Function	
Consumption	<12W
Work Environment	Work Temperature0~50, Environment Humidity10%~95%
Dimension (L x W x H)	90 mm x 90 mm x 286 mm
Net Weight	490g
Color	Gray
Accessory	DC12V 1.5A power supply x1, 3m Type-C cable x 1, 3m USB3.0 Type A x 1, Remote control x 1

T2L-AM/T2L-AH/T2L-KH



**All-in-one integrated design**  
Integrate PC and camera in one device, simple and convenient application, support external omnidirectional microphone, small size, easy to install and deploy

**Intel Processor**  
high-quality Mini PC, equipped with Intel Core I5-7200U processor, powerful and stable performance

**A variety of HD lens configurations are optional**  
camera can be equipped with 10x and 20x optical zoom lenses to meet different conference scenarios

**High-performance DSP processor**  
equipped with a new generation of high-performance DSP processor, which greatly reduces power consumption and has good stability

**Fully open API**  
fully open API supports the development of third-party applications, which is easy for customers to develop secondary and realize customized requirements

**Video output format**  
USB 3.0 support H.264/MJPEG/YUY2, HDMI 1.4

Panoramic 360-degree Video Conference Camera with Speakerphone			
Model	T2L-AM	T2L-AH	T2L-KH
PC Hardware Specification (i5)			
CPU(Optional)	Intel Core i3-7100U Dual Core 2.4G, Intel Core i5-7200U Dual Core 2.5G, Turo up to 3.1G Intel Core i7-7500U Dual Core 2.7G, Turo up to 3.5G		
Graphics Card	Intel HD Graphics 620		
RAM	4G /6G/8G DDR3L		
SSD	64G/128G SSD		
Internet	2.4G/5G dual-band WIFI802.11ac (optional) 2.4G/5G dual-band WIFI802.11ac (optional)		
Resolution	HDMI maximum resolution 4096*2160@24HZ		
Sound Card	C-Media Electronics Inc, USB audio device		
Audio Input	3.5MM MIC In		
Audio Output	KPY OUT 3.5MM/HDMI Audio		
Peripheral Interface	USB 3.0 *1 USB2.0*2 HDMI* 1 RJ45*1		
OS	WIN7 32/64 BIT WIN8.1 64BIT WIN10BIT		
PTZ Camera Specification			
LENS	10X	12X	20X
Sensor	1/2.8" Type Exmor CMOS		
Effective Pixel	2.1 Megapixel		
Min Illumination	0.5Lux at F1.6	0.5Lux at F1.6	0.5Lux at F1.8
White Balance	Auto/Manual/Indoor/Outdoor/ATW		
Gain Control	Auto		
Back Light Compensation	On/Off		
Electronic Shutter	1/60-1/10,000S		
SN Ratio	Auto		
Min Illumination	f=4.7-47mm F1.6-F3.0	F=3.9-46.8mm F1.6-F2.8	f=5.9-118mm F1.8-F3.9
Iris	Auto		
Zoom	10X	12X	20X
HOV	60.9°-6.43°	73°-6.55°	56°-4°
Video Output Format	USB3.0 MJPEG:1080P,720P,800*600,640*480,640*360, H264: 1080P,720P,800*600,640*480,640*360,Yuy2: 1080P,720P,800*600,640*480,640*360 Frame:30/25/15/10/5		
Baud Rate	2400bps/4800bps/9600bps/38400bps		
Communication Interface	RS232/RS485		
Communication Protocol	VISCA/PELCO-D/UVC1.5		
Speed Match	Support		
OSD Menu	Support		
Tilt Movement	90°(up), 45°(down)		
Pan Movement	0-355°		
Image Flip	Support		
Preset Position	64		
Power Input	100V-240V 1.5A AC 50-60HZ		
Power Output	DC12V 5A		
Dimension	284mm*147mm*161mm		
Weight	NW.: 2.2kg, GW.: 3.35kg		

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