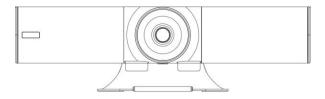
# TridentAl



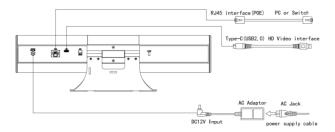
(V2.0)

J.BC.0205.0150

# PACKING LIST

Camera ·····	
Power Adapter	1
Power Cable	
Type-C Cable ·····	
Remote Control	1
Jser Manual	1
QC certification	1

### QUICK START



## **Trident Features:**

- Advanced DSP, Sony 1/2.8 inch 8.42 megapixel sensor and high quality 12 megapixel lens, Ultra high definition output,
- USB2.0 YUY2/NV12/MJPG/H.264/H.265 video format, works with Windows, MacOS, Android, Linux OS.
- Type-C port output.
- 120°FOV
- Lens distortion rate less than 2%
- Support WDR, 3DNR, Anti-flicker

- Standard UVC protocol, compatible with most UCC platforms
- The low noise CMOS enables an ultra-high signal-to-noise ratio in the camera's video output and allows for a clear and sharp image.
- Autoframe participants dynamically as they enter or exit the camera frame or change positions; Autoframing is selectable via remote, or desktop control.
- Backlight compensation to compensate for bright light sources, eliminating unnatural shadows and "light blooming".
- Preset camera positions available when using manual mode.
- High Definition Audio with 16K pickup and 24K playback makes for a crystal clear connection. Utilizing the latest techniques in spatial audio mapping and sampling, the background noise is eliminated even in a noisy environment, it can make the voice sound clear. With 360° Omni-directional microphones, range is up to 5 meters. Full Duplex capability.
   384ms Acoustic Echo Cancelation (AEC) Automatic Noise Suppression (ANS) Automatic Gain Control (AGC) Peak-limiting algorithm eliminates even momentary distortion.

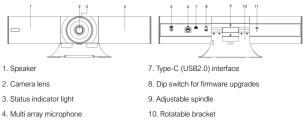
## PRODUCT SPEC

Model		Trident
Sensor		1/2.8 inch, high quality, 8.42 megapixel SONY CMOS sensor
Video Format	USB2.0	YUY2, NV12: 1280*720@15; 1024*576@20; 640*480@30

		MJPG:
		3840*2160@30; 2560*1440@30;
		1920*1080@30; 1280*720@30;
		1024*576@30; 640*480@30
		H.264, H.265: 3840*2160@20; 2560*1440@30;
		1920*1080@30; 1280*720@30;
		1024*576@30; 640*480@30
	RJ45	Only for power (POE)
Digital Zoom		4X
Field of View		120°
Sensor Reso	lution	8.42 megapixel
Control Port		USB2.0 (UVC/UAC)
Video Port		Type-C (USB2.0)
S/N Ratio		>50dB
Focal Length		f=2.20mm
Minimum Lux	<b>.</b> .	0.1 lux
White Balance	æ	Auto/Manual
Iris		F 2.2
Anti-Flicker		50HZ/60HZ/OFF
WDR		Supported
Edge Enhand	ement	Supported
Digital Noise	Reduction	2D&3D
Image Flip		Supported
Electronic Pa	ın/Tilt	Supported
Auto frame		Supported
Backlight Co	mpensation	Supported
Ideal Microphone range		3~5 meters
USB Audio		Supported
Microphone		Omnidirectional microphone(100~16KHz)
Sensitivity		-26±2dB RL=2.2KΩ Vs=2.0V
Input Voltage	)	DC port
Speaker		4Ω/8W 100-24KHz 2inch Anti-magnetic speaker

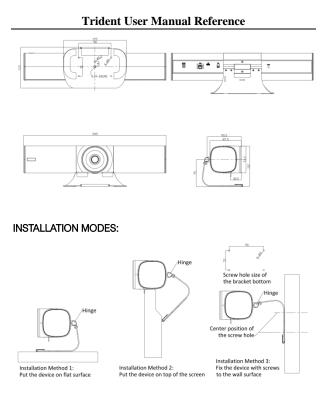
Trident User Manual Reference	
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POE	Supports IEEE802.3af
Dimension (L × W × H)	395mm×113mm×112mm/15.5"x4.5"x4.4"
Net Weight	1 kg/2.2 lbs.



- 5. DC12V power interface
- 6. RJ45 interface (POE)

11. Kensington® type slot



### REMOTE CONTROL:

#### LED indicator:

The remote control is unique in that a single control can operate up to three cameras.

Camera 1 operation is standard, and the LED will flash red when the commands are being sent to camera 1  $\,$ 

Camera 2 operation is indicated by a green LED

Camera 3 operation shows as a blue LED

CAM1/CAM2/CAM3: A quick press of the colored key is all that is needed to select the camera.

Zoom adjustment key: +/- Adjusts the electronic zoom, only available when manual control is selected over automatic framing.

Power key: Standby / start camera.

BLC: Set backlight compensation ON or OFF.

Navigation key: up, down, left and right In manual control mode, use to adjust the position of electronic pan or tilt. Also used to navigate on screen menu.

Confirm/Home key: In manual control mode, a quick press will return image to home position. When using the menu, it is used to confirm the menu options.

Menu key: In manual control mode, a quick press to enter/exit the menu.

#### Volume control key:

A quick press will incrementally increase or decrease the volume output of the Trident. Note-volume control of the PC or device connected is not influenced by this selection.

#### Video Mute/Micro Mute:

Video Mute and micro mute.

A/M: Auto frame/Manual frame.

#### PUSH Frame:

In Auto frame off mode, you can manually trigger the Auto frame once.

#### Preset key:

Long press for 3 seconds to save the current position to the corresponding preset position, shortly press to call the preset position, only available when Auto frame is closed.

















Mirror/Flip: Used to change mage orientation.

**Reset:** Press and hold for 3 seconds to reset the camera parameters to the factory settings.

#### Digital key mapping:

As shown in the figure on the right, in non-menu mode, this part of the keypad is used for the function identified on the key; while in menu mode, this part of the keypad is used as numeric keys.



### On Screen Display (OSD) menu

	MAIN MENU	
EXPOSURE		
IMAGE		
QUALITY		
INFO		

Use the navigation button to select the main menu. As seen above, the main menu will change to gray background, and the right column will show all parameters under the selected sub menu.

3. After entering the main menu, press the up/down navigation buttons to select the desired sub menu, then use left/right navigation button to set the parameter.
4. To return to the upper-level menu, select the "return" and then press the left or right navigation button to return to previous menu.

	MAIN MENU	
	LANGUAGE	
EXPOSURE		
IMAGE		
QUALITY		
	STRETUEN	

5. Press OSD button once again to exit the menu.



SYSTEM         LANGUAGE         ENGLISH/CHINESE           SYSTEM         PROTOCOL         Optional item: VISCA         Default: VISCA           ADDRESS         VISCA:1-7         Default: 1           BAUDRATE         2400,4800,9600,115200 optional         Default: 9600           RETURN         Back to the main menu         Default: 4UTO           SHUTTER         valid under MANU mode         Default: 1/100           SHUTTER         Valid under MANU mode         Default: 0           GAIN         Gain setting:0~15, only valid under         Default: 50HZ           BACKLIGHT         ON/OFF         Default: 0FF           GAMMA         0~15         Default: 0FF           GAMMA         0~15         Default: 4UTO           IMAGE         RETURN         Back to the main menu         Default: 4UTO           WB MODE         AUTO/MANU         Default: 4UTO         Default: 4UTO           B GAIN         Blue gain level:0~256, only valid under         Default: 100         Default: 100           DEFOG         Set the image permeability:OFF/1-15         Default: 0FF         30 NR         Set 3D noise reduction         Default: AUTO           QUALITY         SATURATION         Saturation setting:0~15         Default: 0FF         30 NR         Set 3D nois	6. OSD Me	enu Layout:		
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