# Al-Box1

# **User Manual-English**



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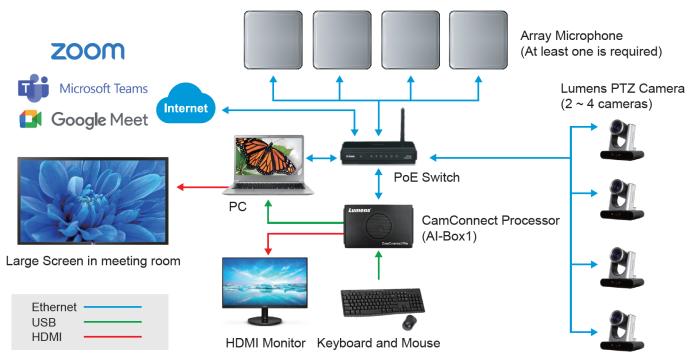
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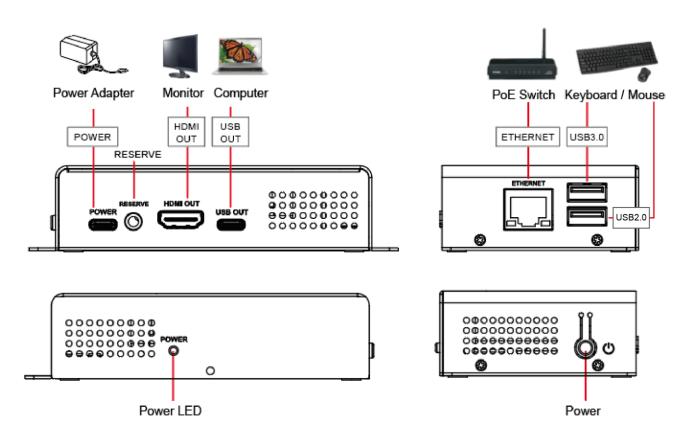


# **Chapter 1 System Connection and Application**

#### **1.1 System Connection**



### 1.2 AI-Box1 IO Interface





# Chapter 2 Operation Interface

							(E)	<u>(H)</u>
🕗 Cam								0 ×
Druce Nu	umbers : 4	Voice Tracking : 🔵 💿 In this mode it do	es not switchfchange camera source and presets.					
A Audio-Teo	chnica: ATND1061 Shure: MXA310 Shur	re: MXA310 Shure: MXA310						
Suppo	orted Devices & Settings	Advanced			Device & Camera Mapping	Mapping Qty.		
Devid	ces : Audio Technica: ATND1081	Audio Trigger Leve	l>dB:		Array No.	Camera	Preset No.	
Device	P : 102.168.4.16	Time To Trigger	Preset :		1	VC-A51P(192.168.4.67)	× 1	
P	Port : \$7300	Back To Home	Time : 10 Sec.		• 2	VC-TR40(192.168.4.42)	× 2	
Conne	ect:	Back to Home C	and the second		3 4	PublicTest(192.168.4.102) Off	× 3	
					5	Off	× 5	
		Back To Home Po			• 6	Off	× 6	
			( <u>Apoly</u> )		7	Off	× 7 × 8	
					8 9 1	Off	8	
					10	Off	× 10	
					• 11	Off	× 11	
					12	Off	<ul> <li>12</li> <li>13</li> </ul>	
					Min. Stray No.: 1			
					Min. Array No.: 1	G Video OL	tput 💽 🔷	
					(C)	C Video Ox Resolution : 1520-1000 3	tiput O	
Q	Device Name	IP / USB		Connect	©	Resolution : 1950/1080 S		
	Device Name VC-ASIP	IP / USB 192.168.4.67			C PTZ Control	Resolution : 1020-1000 A Operation Al Setting		
Q	Device Name VC-AS1P VC-TR40	IP / USB 192.168.4.67 192.168.4.42		•	©	Resolution : 1020-1000 A Operation Al Setting		
Q	Device Name VC-ASIP	IP / USB 192.168.4.67			C PTZ Control	Resolution : 1920-1000 - Operation Al Setting Al Setting	FPS: 60 V	
Q	Device Name VC-AS1P VC-TR40	IP / USB 192.168.4.67 192.168.4.42			C PTZ Control PTZ Control	Resolution : State Los S Operation Al Setting Al Setting Al Setting		
Q	Device Name VC-ASIP VC-TR40 PublicTest	IP / USB 192.168.4.67 192.168.4.42 192.168.4.102			C PTZ Control PTZ Control PTZ Control	Resolution : Storage of Source of So	FPS: 60 V	
Q	Device Name VC-ASIP VC-TR40 PublicTest VC-TR60	IP / USB 192.168.4.67 192.168.4.42 192.168.4.102 192.168.4.32			C PTZ Control PTZ Control PTZ Control PTZ Control	Resolution : 2020/1000 N Operation Al Setting Al Setting Al Setting Al Setting Al Setting	FPS : do v	
Q	Device Name VC-A52P VC-TR40 PublicTest VC-TR40 VC-TR40 VC-R40	197 USB 192 188.4.67 192 188.4.42 192 188.4.42 192 188.4.32 192 188.4.32		<ul> <li>•••</li> <li>•••</li> <li>•••</li> <li>•••</li> </ul>	C PTZ Control PTZ Control PTZ Control PTZ Control PTZ Control	Resolution : International Control of Contro	EPS: 40 v	
Q	Device Name           VC-A51P           VC-TR40           PublicTest           VC-TR00           VC-R30           VC-TR00A	197 / USB 192 2484.4.67 193 2488.4.67 193 2488.4.40 193 2484.42 193 2484.40 193 2484.455	Connected Connected Connected	<ul> <li>•••</li> <li>•••</li> <li>•••</li> <li>•••</li> <li>•••</li> <li>•••</li> </ul>	PTZ Control PTZ Control PTZ Control PTZ Control PTZ Control PTZ Control	Resolution : 2000 (2000) Operation Al Setting Al Setting Al Setting Al Setting Al Setting Al Setting Al Setting	EPS: 40 v	

### 2.1 (A)Device Setting

	evice Numbers : 4	Voice Tracking : Shure: MXA310 Advanced Budio Trigger Level > dB : .55 Time To Trigger Preset : 1.5 Sec 10 Back To Home Time : 10 Sec 11 Back to Home Camera : All 12 Back To Home Position : Home 13 Apply		
No	Item	Function Descriptions		
1	Device Number	Select the desired number of microphones to connect		
2	Device List	Display the devices according to the Device Numbers		
3	Devices	Select Microphone Device Note Please check the supported devices from Products- CamConnect Pro in Lumens website.		
4	Device IP	Enter the IP address of the microphone		
5	Port	Display based on the connected devices <ul> <li>Shure: 2202</li> </ul>		



		<ul> <li>Sennheiser: 45</li> </ul>
		<ul> <li>Sennheiser TCCM: 443</li> </ul>
		■ Nureva: 8931
		▪ Yamaha: 49280
		Audio-Technica : 17300
		Note Only Nureva allows customized PORT
6	Connect	Enable/Disable Setting mode
		When enabled, the microphone can receive signals, and the camera would
7	Vision Tracking	moves to preset positions when triggered. When setting preset positions, it
	Voice Tracking	is recommended to disable the function to ensure the setting process won't
		be disrupted.
		Triggered only if audio source exceeds the dB value.
	Audio Trigger Level >	<ul> <li>Sennheiser:-90~0 (recommended -55)</li> </ul>
8	dB	<ul> <li>Nureva:0~120 (recommended 40 up)</li> </ul>
		<ul> <li>Audio-Technica:0~60 (recommended 30)</li> </ul>
		<ul> <li>Yamaha:0~126 (recommended 80 up for RM-CG / 70 up for RM-W)</li> </ul>
		Audio Reception Delay Settings
9	Time To Trigger Preset	When a second sound trigger occurs, there will be a delay in calling the
		preset position based on the configured duration in seconds.
10	Back To Home Time	Back To Home Time Settings
		If there is no audio input at the venue, it will trigger after the set seconds.
11	Back to Home Camera	Select one camera or all to back to home.
12	Back To Home	Camera will return to either Home position or the specific preset position
12	Position	you designated.
13	Apply	Setting completed and click Apply

### 2.2 (B)Camera Control & Status

2	Camera Contre	Add Device Name IP / U50 VC-A51P OC-TR40 IP2108.4.07 VC-TR40 IP2108.4.02 VC-TR60 IP2108.4.02 VC-TR00 IP2108.4.02 IP2108.4.04	Status Connect Operation PTC Control Al Setting Context Al Setting Connected Connected Context Al Setting Context Al Setting Context Cont		
	No	Item	Function Descriptions		
	1	Resolution/ FPS	Resolution/FPS Settings (must match the camera output settings)		
	2	Refresh/ Add	Click to search for the device again or manually enter the specified IP, and click <b>[Add]</b> to add it Note Please ensure that the camera and AI-Box1 are on the same network segment.		
	3	Device Name	Display the camera name in the same network segment.		
	4	Connect	Click to connect. The connected camera will be highlighted in blue.		
Lı	IM	ens			

5	PTZ Control	Click to enable PTZ control Refer to <u>2.2.1 PTZ Control</u> for function description
6	AI Setting	<ul> <li>Enable/Disable AI Tracking</li> <li>Center Stage : When the camera has been triggered to preset position, the individual will be centered on the screen for 5 seconds before tracking stops.</li> <li>Continuous Tracking : The camera will continuously track the individual, maintaining them in the center position.</li> </ul>
7	Delete	Delete the camera from the list.

### 2.2.1 (C)PTZ Control

	<ul> <li>CamConnect Provide the second secon</li></ul>	Ocessor Image: Constraint of the second of the secon	
No	Item	Function Descriptions	
1	Preview window	Display the screen currently captured by the camera	
2	L/R Direction	L/R Direction / Normal	
3	3 Mirror / Flip Set image mirroring/ flip		
4	Pan/Tilt/Home	Adjust the Pan/Tilt position of the camera screen Click <b>[Home]</b> button to return to its central position	
5	Preset setting	Call Preset : Click number first and then     Store Preset : Click number first and then     Store	
6	AF/MF	Switch to Auto/Manual Focus. Focus can be adjusted in Manual	



7	Zoom	Zoom In/ Zoom Out ratio
8	Exit	Exit the PTZ Control page

### 2.3 (D)Device & Camera Mapping

After the microphone device is connected, the camera can be controlled to turn to the corresponding preset position according to the microphone detection position.

	Device & Camera	Mapping (1) Mapping Qty.	8	V	
	2 Array No.	3 Camera 4		Preset No	1
	• 1	▲ VC-A61P(192.168.4.112)	$\mathbf{v}$	1	
	• 2	VC-A71P-HN(192.168.4.113)	$\mathbf{v}$	2	
	• 3	VC-A51P(192.168.4.69)	$\mathbf{v}$	3	
	• 4	Off	V	4	
	• 5	Off	V	5	
	• 6	Off	V	6	
	• 7	Off	V	7	
	• 8	Off	V	8	
	6 Mic. Array No.: 7	Function D			
No	ltem	Function De	script	ions	
1	Mapping Qty	Select mapping quantity. Up to 128 pre		• •	o supported
2	Indicator	This indicator shows the status of mic light indicates successful reception)	rophone	e signal recept	ion. (A green
3	Array No. Azimuth Angle	<ul> <li>Array No.: Applicable to Shure/ Audic</li> <li>Azimuth Angle: Applicable to Senn angle can be manually adjusted</li> </ul>			Yamaha. The
		Select the desired camera from the dro	pdown	menu	
4	Camera	If unable to connect with a previously s	aved ca	amera, 🔺 will	be displayed.
5	Preset No.	Select the preset position for the came	ra from	the dropdown	menu
6	Mic. Array No. Mic. Azimuth Angle	Display current trigger position/ angle in	nformat	ion for the cam	era.



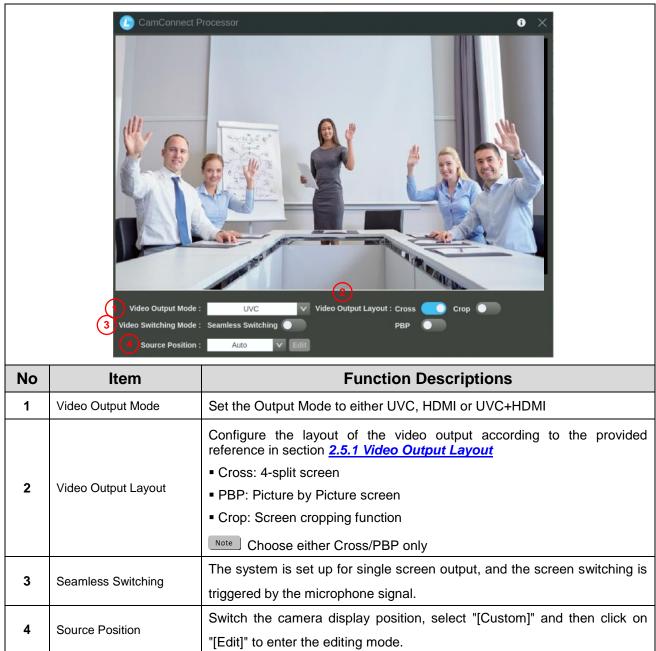
### 2.4 (E)System Setting

		work 6		
	1 Language :	English		
	2 Sound Devic Camer Video Outpu	re : ra :		
	3 Profile Setting Save Load AutoSave Interval : 30 sec System Startup Waiting Time : 3 Min (3~99)			
	4 Firmware OTA Auto Check s			
	5 Reset	Apply		
No	Item	Function Descriptions		
1	Language	English		
		Auto connected items setting after AI-Box1 power on.		
2	Auto Connection	Auto connected items setting after AI-Box1 power on.  Sound Device		
2	Auto Connection	Sound Device     Camera		
2	Auto Connection	<ul> <li>Sound Device</li> <li>Camera</li> <li>Video Output</li> </ul>		
2	Auto Connection	<ul> <li>Sound Device</li> <li>Camera</li> <li>Video Output</li> <li>Save/ Load: Import and export the config file</li> </ul>		
2	Auto Connection	<ul> <li>Sound Device</li> <li>Camera</li> <li>Video Output</li> <li>Save/ Load: Import and export the config file</li> <li>AutoSave Interval: Set the auto saving interval.</li> </ul>		
2	Auto Connection	<ul> <li>Sound Device</li> <li>Camera</li> <li>Video Output</li> <li>Save/ Load: Import and export the config file</li> <li>AutoSave Interval: Set the auto saving interval.</li> <li>System Startup Waiting Time: Set startup waiting time.</li> </ul>		
2	Auto Connection Profile Setting	<ul> <li>Sound Device</li> <li>Camera</li> <li>Video Output</li> <li>Save/ Load: Import and export the config file</li> <li>AutoSave Interval: Set the auto saving interval.</li> <li>System Startup Waiting Time: Set startup waiting time.</li> <li>After AI-Box1 power on, it will automatically search microphones and</li> </ul>		
		<ul> <li>Sound Device</li> <li>Camera</li> <li>Video Output</li> <li>Save/ Load: Import and export the config file</li> <li>AutoSave Interval: Set the auto saving interval.</li> <li>System Startup Waiting Time: Set startup waiting time.</li> </ul>		
		<ul> <li>Sound Device</li> <li>Camera</li> <li>Video Output</li> <li>Save/ Load: Import and export the config file</li> <li>AutoSave Interval: Set the auto saving interval.</li> <li>System Startup Waiting Time: Set startup waiting time.</li> <li>After AI-Box1 power on, it will automatically search microphones and cameras once. If the devices have a longer boot-up time, it may cause</li> </ul>		
		<ul> <li>Sound Device</li> <li>Camera</li> <li>Video Output</li> <li>Save/ Load: Import and export the config file</li> <li>AutoSave Interval: Set the auto saving interval.</li> <li>System Startup Waiting Time: Set startup waiting time.</li> <li>After AI-Box1 power on, it will automatically search microphones and cameras once. If the devices have a longer boot-up time, it may cause AI-Box1 failed to connect to the devices properly. To prevent this issue,</li> </ul>		
		<ul> <li>Sound Device</li> <li>Camera</li> <li>Video Output</li> <li>Save/ Load: Import and export the config file</li> <li>AutoSave Interval: Set the auto saving interval.</li> <li>System Startup Waiting Time: Set startup waiting time.</li> <li>After AI-Box1 power on, it will automatically search microphones and cameras once. If the devices have a longer boot-up time, it may cause</li> <li>AI-Box1 failed to connect to the devices properly. To prevent this issue, please adjust the system waiting time based on the current environment</li> </ul>		

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		IPv4	
		Method : DHCP V	
6	Network	Address : 192.168.100.201 Netmask : 255.255.255.0 Gateway : 192.168.100.1 DNS : 8.8.8.8	
		MAC Address : 26:e9:c7:10:1e:54	Apply
		Ethernet Setting. When it is set to Sta Once the settings are completed, click	-

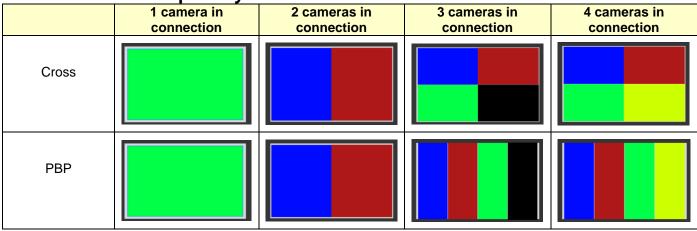
### 2.5 (F)Video Output Setting





CamConnect Processor		
Position 1	Position 2	
Position 3	Position 4	
	x 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Position 1: V Position 2: Position 3: V Position 4:	V V Back	

#### 2.5.1 Video Output Layout



If there are three connected cameras, they will be displayed in a 4-grid layout, with one grid showing a black screen.

	Crop On	Crop Off
Сгор		

### 2.6 (G)Start Video Output

Click to output the camera images to HDMI or UVC devices

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### 2.7 (H)Information

i 🕑 Information	×						
	mens® ://www.MyLumens.com						
CamConnect Processor Version : 1.7.16	Get Help ?						
Software Update : Check							
Serial Number :							
Copyright © Lumens Digi	tal Optics Inc. All rights reserved.						
Function Descriptions							
This window displays the software version informatio latest version and updates	n of AI-Box1. Click on <b>Check</b> to confirm the						
For technical support, please scan the QRcode on th	e right.						



## **Chapter 3 Web Interface**

### 3.1 Device Setting

	Lumens	1					(2)			
8	Devices V	Microphone S	etting	Array Microphone Num	bers 4 V	Voi	pice Tracking			
	Microphone	Shure:M2	(A920	Shure:MXA310	Shure:MXA31	0	Shure:MXA310			
	CameraList	Array Microp					Device & Camera Mapping			
6	Video Output Setting	Device		Mapping Qty.						
	🗘 System 🛛 ┥	Device II		192.168.4.94	Port 2202					
	D About	Connect					Array No. Primary Camera Preset No.			
		Time to 1	rigger Preset	1 Sec	Y		2 Off ✓ 2			
			Home Time	10 Sec	<b>v</b>		<ul> <li>3 оп</li> <li>3</li> </ul>			
			Home Camera Home Position	All Home 🗸 0			4 on ✓ 4			
		Apply	Cancel							
		Арру	Gancer				• 7 Off 7			
							● 8 Off			
							Apply Cancel			
No	ltem				Func	tio	on Descriptions			
				Microphone	Number :	Se	elect the desired number of microphones	to		
			connect							
			Devices: Select Microphone Device							
			Device IP: Enter the IP address of the microphone							
			Port: Display based on the connected devices							
			> Shure: 2202							
			Sennheiser: 45							
			Sennheiser TCCM: 443							
			➢ Nureva: 8931							
			Yamaha: 49280							
			Audio-Technica : 17300							
			Note Only Nureva allows customized PORT							
1	Array Microphon	e	Connect: Enable/Disable microphone connection							
			<ul> <li>Advanced Function Settings</li> </ul>							
					_					
			Audi	o Trigger Lev	vel > dB:	-55	5			
			Time			4.5.4				
			Time	e to Trigger P	iesel.	1.3 ÷	Sec V			
			Back	To Home tin	nes:	10 5	Sec 🗸			
			Back	To Home Ca	amera:		$\checkmark$			
			Back	To Home Po	osition:	Hon	me 🗸 0			
					Close		Apply			



		• Audio Trigger Level > dB: Triggered only if audio source exceeds the dB					
		value.					
		Sennheiser:-90~0 (recommended -55)					
		Nureva:0~120 (recommended 40 up)					
		Audio-Technica:0~60 (recommended 30)					
		> Yamaha:0~126 (recommended 80 up for RM-CG / 70 up for RM-W)					
		• Time To Trigger Preset: Audio Reception Delay Settings. When a second sound trigger occurs, there will be a delay in calling the preset position based on the configured duration in seconds.					
		<ul> <li>Back To Home Time: If there is no audio input at the venue, the camera will automatically return to its Home position after the designated number of seconds.</li> </ul>					
		Back To Home Position: You can select either the Home position or a					
		preset number that you have designated					
		• Voice Tracking: When enabled, the microphone can receives signals,					
		and the camera would moves to preset positions when triggered. When					
		setting preset positions, it is recommended to disable the function to					
		ensure the setting process won't be disrupted.					
		Mapping Q'ty: Select mapping quantity. Up to 128 presets supported.					
		Note Shure MXA310/ MXA910/ MXA920/ Audio-Technica no supported					
		<ul> <li>Indicator: This indicator shows the status of microphone signal reception.</li> <li>(A green light indicates successful reception)</li> </ul>					
		Array No. / Azimuth Angle :					
		Array No.: Applicable to Shure/ Audio-Technica					
2	Device & Camera	> Azimuth Angle: Applicable to Sennheiser, Nureva, and Yamaha. The					
	mapping	angle can be manually adjusted					
		Camera: Select the desired camera from the dropdown menu					
		Preset No.: Select the preset position for the camera from the dropdown					
		menu					
		Al Setting : Enable/Disable Al tracking					
		> Center Stage : When the camera has been triggered to preset					
		position, the individual will be centered on the screen for 5 seconds					
		before tracking stops.					
		<ul> <li>Continuous Tracking : The camera will continuously track the</li> </ul>					
		individual, maintaining them in the center position.					

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#### 3.2 Device - Camera List

	Devices V	Camera List
	Microphone	
	CameraList	Resolution 1920*1080 V FPS 60 V
	Video Output Setting	Manual IP     Add
	🔅 System ┥	Device Name IP / USB Status Connect Operation
		VC-TR40N 192.168.3.45 Disconnected PTZ Control
	1 About	VC-TR40N 192.168.3.43 Connected PTZ Control
		VC-TR60 192.168.3.44 Disconnected PTZ Control
		VC-R30 192.168.3.56 Disconnected PTZ Control 0
		VC-A61P-Mei         192.168.3.60         Disconnected         PTZ Control         Image: control           VC-TR60A_1         192.168.3.69         Disconnected         PTZ Control         Image: co
		VC-A53         192.168.3.87         Disconnected         PTZ Control         III
		VC-TR60 192.168.3.91 Disconnected PTZ Control
		VC-A61P 192.168.3.95 Disconnected PTZ Control
		VC-A71P-HN 192.168.3.67 Disconnected PTZ Control
No	項目	功能說明
1	Camera List	<ul> <li>Resolution/ FPS : Must match the camera's resolution settings</li> <li>Refresh : search the cameras in this network segment.</li> <li>Add : Manually type the IP address, then click Add</li> <li>Note Please ensure that cameras and AI-Box1 are under the same network segment .</li> </ul>



### 3.3 Video Output Setting

	Lumen	e	
	Lumen	3	
	E Devices	•	Video Output Setting
	Video Output Se	tting	
	🔅 System	•	1     Video Output Mode     UVC     V       2     Seamless Switching     Image: Comparison of the seamless Switching
	f About		2 Seamless Switching
			Apply Cancel
	3		
	Start Video Outpu	ıt	
No	ltem		Function Descriptions
1	Video Output Mode	HDMI,U	JVC or HDMI+UVC
2	Seamless Switching	The sys	stem is set up for single screen output, and the screen switch
-		triggere	ed by the microphone signal.
3	Start Video Output	Click the	ne button to start or stop video output.

### 3.4 System- Network

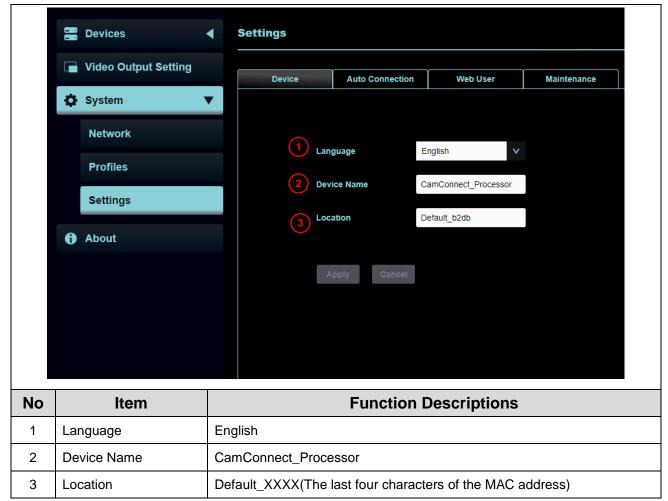
	Devices	Network	
	Video Output Setting		
•	System 🔻	Method	DHCP V
	Network	IP Address	192.168.100.201
	Profiles	Netmask	255.255.255.0
	Settings	Gateway	192.168.100.254
6	About	UNS MAC Address	8.8.8.8 dc:e2:ac:00:57:c7
			4.62.80.00.01.01
		Apply Canc	el
	F	unction Descriptions	
Ethernet Settin click Apply.	g. When it is set to Static I	P, the setting can be modified. C	Dnce the settings are comp

### 3.5 System- Profile

	<ul> <li>Devices</li> <li>Video Output Setting</li> <li>System</li> <li>Network</li> <li>Profiles</li> <li>Settings</li> <li>About</li> </ul>	<ul> <li>Profile</li> <li>1</li> <li>2</li> </ul>	Export Current Profile	Import Profile Load Profile Profile Name
No	Item		Function Desc	criptions
1	External Profile	Import and expo	ort the config file.	-
2	Internal Profile	Save and load	the config file.	



#### 3.6.1 System- Settings-Device



### 3.6.2 System- Settings- Auto Connection

<ul> <li>Video Output Setting</li> <li>Device Auto Connection Web User Maintenance</li> <li>System</li> <li>Network</li> <li>Profiles</li> <li>Settings</li> <li>Video Output</li> <li>Camera</li> <li>Video Output</li> <li>About</li> </ul>
Network     1       Profiles     Camera       Settings     Video Output
Profiles Settings Video Output Camera Video Output
Profiles Camera C Settings Video Output
About Auto Save
Interval 30 Sec
Apply Cancel



No	Item	Function Descriptions									
1	Auto Connection	The microphone, camera and Video output can be reconnected automatically after restarting the AI Box.									
2	Auto Save	The profile can be saved automatically after a specific interval time.									

### 3.6.3 System- Settings- Web User

	88	Devices	•	Settings				
		Video Output Setting		Device	Auto Connection	Web User	Maintenance	
	•	System	•	Device	Auto Connection	WED 0361	Maintenance	
		Network						
		Profiles		1 Use	r Name	Admin		
		Settings		2 Curr	rent Password			
	About			3 New	Password			
				4 Con	firm Password			
				A	pply Cancel			
No		ltem			Functior	n Description	S	
1	Use	r Name	Adı	Admin				
2	Curr	ent Password	The	e password curr	ently set for yo	ur account.		
3	New	Password	Ent	ter your desired	new password	•		
4	Con	firm Password	Re	-enter your new	password to co	onfirm.		

### 3.6.4 System- Settings- Maintenance

		88	Devices	•	Settings					
			Video Output Setting		Device	Auto Connection	Web User	Maintenance		
		¢	System	•						
			Network		(1) FI					
			Profiles				v1.7.18 Check			
			Settings			mware Update			Upgrade	
		6	About		$\sim$	rent Log	Export		op9.000	
						eboot	Reboot			
						stem Factory	Reset			
					<b>6</b> <sup>sy</sup>					
L	umen	S	B							

No	Item	Function Descriptions
1	Firmware Version	Displays the current firmware version of the device.
2	Auto Check	Check if the firmware is updated automatically every time
3	Firmware Update	Allows you to select and update the firmware file from your computer.
4	Event Log	The log file, which preserves the activity over a period, can be exported.
5	Reboot	Restarts the device.
6	System Factory	Resets the device to its factory default settings.

### 3.7 About

E Devices	•		®		
Video Output Setting		Lumen	5		
🔅 System	•				
About			Manufacturer. Model Name	Lumens Digital Optics Inc. Al-Box1	
			Firmware Version MAC Address :	1.7.18 dc:e2:ac:00:57:c7	
			Serial Number :		
		www.MyLumens.com			
					Get Help ?
					Get Help ?
					Get Help ?
		Functior	Descriptions		Get Help ?
This window disp	Jays the ve	Functior			Get Help ?

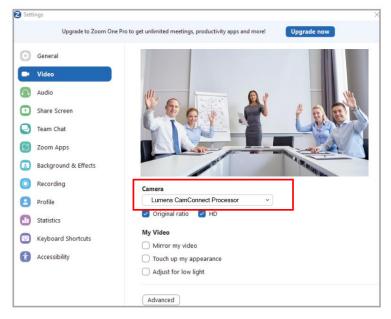


### Chapter4 Connect to a conference video software

4.1 Set the output mode of AI-Box1 to UVC or HDMI+UVC, then click the Video output button



- 4.2 Launch a video software like Skype, Zoom, Microsoft Teams, or other similar software
- 4.3 Choose the video source to output camera images
  - Video Source Name: Lumens CamConnect Processor





Please check the supported devices for the CamConnect Pro on the Lumens website.

Below are examples. Compatibility is not limited to these Microphones.

Before AI-Box1 installation, third-party microphone systems may require configuration in their software.

#### 5.1 Sennheiser

When using TCC2 with CamConnect, please set and configure the channels on the Sennheiser Control Cockpit software first.

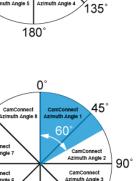
CamConnect is divided into 8 equal parts according to Sennheiser's horizontal angle of view. They correspond to CamConnect Azimuth Angle 1 to 8.

If the forbidden area is enabled on the Sennheiser Control Cockpit software, the corresponding position of CamConnect will also be affected. Example: If the forbidden area is set to 0° to 60°, the audio signal from 0° to 45° of CamConnect Array Azimuth 1 and 45° to 60° of Array Azimuth 2 will be ignored.

#### 5.2 Shure

Suitable for large-area positioning when Shure Designer Automatic coverage is On.

If more accurate positioning is required, it's suggested to disable Automatic coverage, adjust Gain value/Position manually, reduce beamforming angle, to achieve more accurate positioning



135°

45

90°

uth Angle

O°

315

225

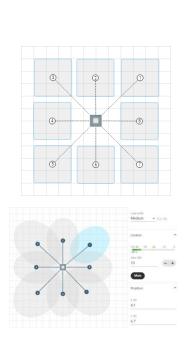
315

225

270°

270°

uth Andle



180



# **Chapter6 Troubleshooting**

This chapter describes problems you may encounter while using AI-Box1. If you have questions, please refer to related chapters and follow all the suggested solutions. If the problem still occurred, please contact your distributor or the service center.

NO	Problems	Solutions	
1.	Unable to search camera devices	<ol> <li>Check the power supply of camera or PoE power supply is stable.</li> <li>Make sure the PC is connected to the camera with the USB cable</li> <li>Replace the cables and make sure they are not faulty</li> </ol>	
2.	No response from the microphone detection position	Please confirm that the microphone device is in Connect status	
3.	When using with a Sennheiser microphone, no response at the specific angle	<ol> <li>Make sure the Azimuth Angle settings in the CamConnect software include that angle position</li> <li>Make sure if the angle is set as the forbidden area on Sennheiser Control Cockpit software. Refer to <u>5 Microphone Settings</u> for details.</li> </ol>	
4.	When setting camera preset positions, if the microphone detects signals from other directions, it may cause the camera to move to other positions, thus interrupting the setting	Please refer to <u>2.1 Device Setting</u> to enable the Setting mode Once enabled, the microphone can receive signals, but it will not trigger the camera to the preset position	
5.	Unable to connect camera.	Please access to camera Webpage and go Network tab. Then, make sure if Multicast is deisnable. When Multicast is opened, the Al-Box1 would not be able to connect the camera. Image: RTSP         Image: RTSP         Require Password Authentication         Image: RTSP         RTSP URL:rtsp://192.168.4.15:8557/h264         Enable Multicast	
6.	Cannot upgrade firmware by OTA.	<ol> <li>Please check if you are using static IP.</li> <li>Turn to DHCP and try update again.</li> </ol>	

### <u>Lumens®</u>

## Chapter7 System Message

No	Warning message	Action		
		Ensure that the microphone's port has been typed correctly and check if		
		the IP address is on the same network as the AI Box.		
	Microphone cannot be found,			
	please check Microphone	You can also refer to the link below from Lumens website for more		
1	connection status and try to	information about the setup method with the compatible ceiling		
	connect it again.	microphone.		
		https://www.mylumens.com/en/Downloads/3?id2=5&keyword=ai%20box&		
		keyword2=&pageSize=10⩝=		
		The connection between the AI box and the microphone has been lost.		
		Please check if the microphone has been accidentally turned off or if there		
2	Connection Loss.	is another network issue.		
		You can refer to <u>3.1 Device - Microphone Setting</u> to check the		
		microphone status.		
3	Camera connect failed, please	Check if the camera's resolution has been configured correctly with the AI		
	check camera Resolution / FPS	Box. You can also try to access the camera's webpage to confirm its status		
	settings or camera connection	such as network connectivity.		
	status	You can refer to <u>3.2 Device - Camera List</u> to check resolution of AI-Box1.		

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