

IP Based KVM Video Collaboration System



CONTENTS

Introduction

Overview	3
2K Codec Node	4
Interface Port	5

Configuration

Hardware installation	6
Software introduction	9
Video wall configuration	9
Design UI by software "TouchPanel 3.x.y"	9
Upload UI data pack to TPread and i-CTL	9
IP setting for TPread and i-CTL	11
UI overview on iPad pro	11
How to make partition on video wall	12
KVM Matrix Configuration	13
KVM server setting	13
Log in/out	13
Mouse/display matrix configuration	14
Video wall matrix configuration	14
Mouse matrix configuration	15
Create user account and permission setting	16
Create user group	18

Operations

Hotkey introduction	
"GET" OSD	19
"PUSH" OSD	20
Mouse Setting	20

More information

Appendix I — "Touch Panel"	. 22
How to create "Sync Display Wall"	.22
How to create "Scroll Video Preview" frame	. 24
How to create grouping for "Scroll Video	
Preview" frame	24
Appendix $II = "FbsSysTool"$	23

INTRODUCTION

Overview

IP Based KVM Video Collaboration System is all-in-one solution for command control center and meeting room, which consist of encoding node, network switch and decoding node only, simply cabling node and network switch by UTP or Fiber.

Each codec node is built in all features of video wall controller, KVM/AV matrix, signal extender and central controller. It's flexible to be configured either a virtual video matrix, a KVM matrix, a video wall controller or a central controller over IP.



-Schematic 1.1-

The system is based on standard network(1 gigabit), with distributed hardware architecture. Each node can calculate and process signal independently, no need central processing server.

INTRODUINTROD

2 Video output (HDMI/DVI-D

④ 1 RS232 + 1 RS485

6 LED indicating lamp

8 Audio input(3.5 mm)

/DVI-I)

Δ

2K Codec Node

There are two series node, including DSIII KVM Node (hereafter called DSIII), DSII Node(hereafter called DSII)



DSIII and DSII are encoder/decoder node of AVCIT's IP Based KVM Video Collaboration system.

DSIII is built-in KVM features, which is mainly configured as encoder for KVM source(HDMI + USB/ keyboard & Mouse) or decoder for monitor and K&M of Workspace Console;

While DSII is without K&M feature, mostly configured as encoder for normal HDMI/DVI source(DVD, HD Camera, Video Conference Endpoint) or as decoder for video wall/TV/Monitor.

Note: DSII node has two video port - IN and OUT, please use "IN" port if it is configured as an input node, otherwise use "OUT" port

Interface Port (Front Panel) - DSII



① Video input (HDMI/DVI-D/DVI-I)

- 3 Screw hole for installation
- ⑤ 3 IR/IO
- O Screw hole for installation
- (9) Audio input(3.5 mm)

Interface Port (Rear Panel)



1 + 5V 3A power port

② RJ45 (support PoE)

Interface Port (Front Panel) - DSIII Input



① LED indicating lamp ③ RJ45 (support PoE)

2 USB 3.0 (works only for special firmware version)

④ Fiber port (works only for redundant version)
⑤ USB Host port
⑥ 5V 3A power port

Interface Port (Rear Panel) - DSIII Input



Interface Port (Front Panel) - DSIII Output



⑦ 5V 3A power port

- 1 Fiber Port (works only for redundant version)
- ② LED indicating lamp ③ RJ45 (support PoE)
- ③ DVI output port ⑤ HDMI output port
- 6 Dual USB port
- 8 Ground connection

CONFIGURATION

Hardware Installation

Cabling the hardware according to system schematic, by CAT6e (at least) between node and Network Switch, HDMI/DVI cable between node and video source or display.





Remark: number is the abbreviation of each node's IP address, for example: 181 means 192.168.1.181;

• Check Node's working status by LED Lamp:

When system is powered on, please check the condition of indicating lamp as below:

	DSIII Input	: Node(Encoder)	
LED	Indication	Status Analysis	
PWR	Power	Keep lighting: normal	
RES	Reset	Keep blinking: normal	
LINK	Network Connection	Blinking: connected Turn off: unconnected	
FIBER	Fiber port (dedicated version only)	Blinking: fiber connected Turn off: unconnected	
USB	no		
Vi	Detect Input Signal	Keep blinking: signal input Turn off: no signal input	

	DSIII Outpu	t Node (Decoder)						
LED	Indication	Status Analysis						
PWR	Power	Keep lighting:normal						
RES	Reset	Keep blinking:normal						
LINK	Output Detecting	Keep blinking: normal Turn off: no signal output						
USB	USB	Keep lighting: there are operation by keyboard & mouse Turn off: no operation						
VGA	VGA	Keep lighting: support VGA output Turn off: don't support						
VOL	Audio	Dark: low volume Keep blinking: medium volume Keep lighting: loud volume						
CS	Video Wall Control	Keep lighting: support Turn off: don't support						
STATUS (Fiber)	Status	Keep lighting: powered Keep blinking: connected successfully						
LINK (Fiber)	Detect Output Signal	Keep lighting: powered Keep blinking: signal output normally						

	DSII Node									
LED	.ED Indication Status Analysis									
PWR	Power	Configured as encoder: keep blinking Configured as decoder: keep lighting								
RES	Reset	Keep blinking								

MORE INFORMATION

LINK	Output Detecting	Configured as encoder: keep lighting if there is signal input Consigured as decoder: keep blinking if there is signal output					
VGA	VGA Keep lighting: support VGA output Turn off: don't support						
VOL	Audio	Dark: low volume Keep blinking: medium volume Keep lighting: loud volume					
CS	Video Wall Control	Keep lighting: support Turn off: don't support					

CONFIGURATION IN

Software Introduction

- "TouchPanel 3.x.y": Portable software to design UI
- "DSWorks"/"TP Read": Portable software to run UI on PC(Windows OS), it doesn't work without USB Dongle.
- "i-CTL" : Software to run UI on iPad(iOS), free to download at Apple APP Store.
- "FbsSysTools": Portable software to configure the system and monitor/revise IP, ID, resolution of node.

Video Wall Configuration

Design UI by software "TouchPanel 3.x.y"

Please check the software introduction at appendix I, design UI according to schematic example 1.2 (Page 6), as below:



Zone A: Buttons to save and recall preset of video wall layout;

- Zone B: Sync Video Wall, named video wall mirror, hereafter called VW Mirror
- Zone C: Buttons to control third party device via RS232/485,IO and IR.
- Zone D: Preview video content in real time
- Zone E: Create virtual partition on VW Mirror. Please select

"Yes" of "Free Mode Button", for freely re-sizing video windows on VW Mirror.

Upload UI data pack(.tp file) to DSWorks (TPRead) and i-CTL

• Upload UI data pack to DSWorks (TPread)

Switch to Eglish here

Open/Import your "XXX.TP" here

Tread

<

Open it when USB Dongle (sentinel key) plugged into "control PC", remember to choose language:

9

CONFIGURATION

MORE INFORMATION OPI

AVCIT

• Upload UI data pack to i-CTL

Following are 8 steps to import data pack to iOS devices:

- Install i-CTL from iOS APP stores, connect iPad with same WIFI as the Computer opening software" Touch Panel 3.x.y"
- 2 Touch "Transfer" button in the upper left corner, then iPad's IP will show up:



4:54 PM Transmission Project

Service started successfully IP: 192.168.31.187

③ Open the ".tp file" by TouchPanel 3.x.y", then click Operator/ Transmission Project(T)



(4) Input iPad's IP address on "Manual setting" mode, then click "Start transmission".

Device List		
	Device 192 , 168 , 31 , 187	
	message:	

- (5) After transmission, click "Back" on iPad, then choose project name "Project name" to enter UI pages
- 6 Long press blank area of i-CTL UI, until you see the menu, choose top row,"web setting", input password "avcit"
- ⑦ Change the IP to be that of your E-CP4C central controller if you use a E-CP4C, IP of E-CP4C central controller is default 192.168.1.234
- (8) Set all port 8888 to be 48689, and use default ID

OPERATIONS CONFIGURATION

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IP setting for DSWorks (TPread) and i-CTL

- DSWorks (TPread): please finish the setting as following step
- (1) Connect "control PC" with Gigabit Switch by CAT cable or WIFI.
- Manually set "control PC" IP as same network segment with the system "192.168.1.x" but not conflict with any DSII/DSIII node's IP. EG: 192.168.1.201
- ③ Right click your mouse(when mouse over any blank area) on UI, Click " Manage Config.", then click "Net Set", to change the "IP" same with controlling PC "192.168.1.201"

et Set X
2 . 168 . 1 . 201
39
Cancel

4 Do not change "Host IP", which works only if you have AVCIT central controller E-CP4C etc.

- $(\underline{\textbf{5}})$ Check whether you can preview all video source
- i-CTL : please finish the setting as following step

Connect iPad with IP Based System via WIFI, then set IP manually by same network segment with the system "192.168.1.x" but not conflict with any DSII/DSIII node's IP

UI Overview on iPad Pro



CONFIGURATION

MORE INFORMATION

How to make partition on video wall

Easy to switch video and resize on UI by drag&drop.

• Close "free mode" button, and select "layout 3x7", then drag any video source from Zone D to 7 different area ON VWS mirror, i.e. following Partition 1-7, one by one.

Patition 1		Patition 2		Patition 5
				Patition 6
Patition 3	Patition 4			Patition 7
7x3 or other video wall, Mode	7x3, Partition option 4		•	

• Open "free mode" button, then drag one more video source to "Partition 1", and resize it, so that you can have "Partition X" as following, Or even more Options for you.



Make more layouts whatever you want:



Note: The implementation and configuration is finished if you didn't purchase KVM Node with USB port.

Patition 4

Patition 5

Patition 6

Patition 7

Patition 3

Patition 10

⁷x3 or other video wall, Mode 7x3, Partition option 2

KVM Matrix Configuration

KVM server setting

Open software "FbsSysTools", choose any DSIII KVM Node as server by setting it to "High Priority", as following:

	stem as	sistant - netw	one port a	9157 has	been open	ied																		a 🔁
Function	Setup	View(V) H	elp(H)																					
a	0	201	-Color	-China	100 -	100	-	-	e. 4	1														
66					40	2	43	2	3	13														
close	Search	Configure	Timing	Rate	Clear I	Login	Updated	Clear	win Cle	sar map	-													_
ena				• • ×	Output			- BOTTY!		• • ×	No	Type	IP	3	ID	GIP	MAC	AVersion	EVersion	AlpuError	EvaServer	Speed/Up/down(bps)	SDE	
				Send	IP:192.16	68.1.118	'ID pi	ng18' '	GIP:239.1	1.01	47	DSII	192.168.1.	133 5	53	239.1.1.1	0.11.120.1.97.23							
				Sand	MAC:0.11.	17.9.21	.97): id 699	ldress			48	DSII	192.168.1.	134 5	64	239.1.1.1	0.11.120.1.97.24	V3463	¥3463				1.0.D.	.0
				Send	15:03:29>	>>recvfr	on (TYPE	BSII'			49	DSII	192.168.1.	134 8	54	239.1.1.1	0.11.120.1.97.24							
				Sand	TP:192.16	68.1.149 17.10.1	110:kv	m33' '0	IF:239.1.	L I'	50	DSII	192, 168, 1,	141 1	kvn11	239.1.1.1	0.11.17.10.10.151	V3463	¥3463				1.0.D.	.0
				Sand	192.168.1	1.149:48	689'				51	DSII	192, 168, 1,	141)	kvn11	239.1.1.1	0.11.17.10.10.151							
				Send	IF 192.16	55.1.140	'ID:ky	m32' 'G	TF:239.1.	ur 👘	52	DSII	192, 168, 1,	142 3	kvn12	239.1.1.0	0.11.17.10.10.8	V3463	¥3983				1. O. D.	.0
				Sand	MAC:0.11.	17.10.1	0.6'): *	diress			53	DSII	192.168.1.	142 1	kvn12	239.1.1.0	0.11.17.10.10.8							
				Cont	15:03:29>	Syecvir	on C TYPE	BSII'			54	DSII	192.168.1.	143 1	kvn13	239, 1, 1, 0	0.11.17.10.10.1	¥3463	¥3463				1.0.0.	.0
				041/1	TP:192.16	68.1.181 190.1.9	10.2	GIP:2	39.1.1.1'		55	DSII	192.168.1.	143 1	kvm13	239.1.1.0	0.11.17.10.10.1	110.400	110.600				4.0.7	~
				Send	192.168.1	1.181:48	669'	conress.			56	DSII	192.168.1.	144 5	kvm21	235.1.1.1	0.11.17.10.10.5	V3463	¥3463				1.0.0.	.0
				Sand	15:03:29>	>recyfr	on C TYPE	BSII'	TR 220 1		51	DSIL	192.100.1.	144 8	KYNAL OG	239.1.1.1	0.11.17.10.10.5	100 4000	10440					
				Sand	MAC:0.11.	17.10.1	0.9'): a	diress			50	DSIL	192.100.1.	140 1	KVR66	239.1.1.1	0.11.17.10.10.2	49409	13403		L		1.0.0.	.0
				Sand	192 168.1	1.150:48	689" (0) ([°] TYPE	-nerr'			0.0	0311	192.100.1	140 1	A VIII CO	230.1.1.1	0.11.11.10.10.2	Armidana	112.622		rr (sent)		1.0.0	
				Sand	IP:192.16	65.1.180	120:11	GIP:2	39.1.1.1'		61	DETT	100.100.1	1.4.7	101101	000.1.1.1	0.11.17.10.10.150	10400	10400		BUAND	High priority	100	. V.
				Send	192 160 1	120.1.9	T.5'): a 609'	diress			62	DSIL	102 169 1	140 1	kvn32	230.1.1.1	0.11.17.10.10.102	¥2462	¥3653			Medium priority	D	0
				Read	15:03:29>	Syeculy	on C TYPE	BSII,			62	DELL	102 168 1	140 1	hum 22	220 1 1 1	0 11 17 10 10 6	10400	10400			the second second		
				- Jame	IP 182.10	120 1 9	T 9'1'	diress.	39.1.1.1		64	DOTT	102 168 1	140 1		220 1 1 1	0 11 17 10 10 2	¥9469	22662			Low priority	D.	0
				Sand	192, 168, 1	1.182.48	669				65	DSIT	192 168 1	149 1	kren 33	239 1 1 1	0 11 17 10 10 3	10400	10400			Close service		
				Send	IP 192.16	68.1.192	TID	朱倉子(66	DSTT	102 168 1	150 1	krym 34	299.1.1.1	0 11 17 10 10 9	¥3463	¥3463				1 0 D	0
				Sand	GIF:239.1	1.1.1 101	MAC:0.11	. 120. 1.	5.42'):		67	DSII	192, 168, 1,	150 1	kym34	239, 1, 1, 1	0, 11, 17, 10, 10, 9							
				Sand	15:03:29>	>recvfr	on (TYPE	BSII'			69	DSIT	192, 168, 1,	151 1	kyn35	239, 1, 1, 1	0, 11, 17, 10, 10, 153	¥3463	¥3463				1. O. D.	.0
				Sand	TF: 192.10	17 10 1	110 ko	a35' 'G	IF:239.1.	UP.	69	DSII	192, 168, 1,	151 3	kvn35	239, 1, 1, 1	0, 11, 17, 10, 10, 153							
				Sand	192.160.1	1,151:40	609'				70	DSII	192, 168, 1,	152 1	kyn36	239, 1, 1, 0	0, 11, 17, 10, 10, 7	V3463	¥3453				1. O. D.	.0
				Sand	15:03:29>	22yecvfr 69 1 112	on C TYPE	hr12	GTP 239 1	1.01	71	DSII	192.168.1.	152 1	kvn36	239.1.1.0	0.11.17.10.10.7							
				Find	WAC:0.11.	17.9.21	S'): ed	ldress			72	DSII	192.168.1.	180 1	1	239.1.1.1	0.11.120.1.97.5	V3463	¥3463				1.0.D.	.0
				(Jane	15/03/3022	1.113:48 Starwfr	009 00 [] TYPE	-nstr'			73	DSII	192.168.1.	180 1	1	239.1.1.1	0.11.120.1.97.5							
				Sand	IP 192.16	68.1.189	10:10	'GIP:	239.1.1.1		74	DSII	192.168.1.	181 2	2	239.1.1.1	0.11.120.1.97.6	V3463	¥3463				1.0.D.	.0
				Send	192.168.1	120.12	24.38°): 689'	addres	3		75	DSII	192.168.1.	181 2	2	239.1.1.1	0.11.120.1.97.6							
				Sand	15:03:30>	>>recvfr	on (TYPE	BSII'			76	DSII	192.168.1.	182 3	3	239.1.1.1	0.11.120.1.97.9	V3463	¥3463				1.0.D.	.0
				Sand	'BAC:0.11	120.12	24.24'):	addres	239.1.1.1 8		77	DSII	192.168.1.	182 3	3	239.1.1.1	0.11.120.1.97.9							
				Send	192 168 1	1.190:48	669'	-BETT'			78	DSII	192.168.1.	183 4	4	239.1.1.0	0.11, 120, 1.97, 10	V3463	¥3453				1.0.D.	.0
				Sand	TP: 192.10	60.1.133	10:53	"GIP:	239.1.1.1		19	DSII	192.168.1.	183 4	4	239.1.1.0	0.11.120.1.97.10							
				Sand	MAC:0.11.	120.1.9	T.23'):	oddress			80	DSII	192.168.1.	184 5	6	239.1.1.1	0.11.120.1.97.11	V3463	¥3463				1.0.D.	.0
	_			Crue A	15:03:30>	Sandte	(Sear ch	equipe	ant'): ad	dr en s	81	DSII	192.168.1.	184 5	6	239.1.1.1	0.11.120.1.97.11							
					15:03:30>	2:65535' >>sendte	(Search	equipe	ant'): ad	tress #	82	DSII	192.168.1.	185 6	6	239.1.1.0	0.11.120.12.24.31	V3432	¥3432				1.0.8.	.0
				Send	10.255.1.1	2:65535'					83	DSII	192.168.1.	185 6	в	239.1.1.0	0.11.120.12.24.31							
				Sand	0.255.1.1	2:65535	(Dem.cp	e equipe	ent): ad	EL. 62 Z	84	DSII	192, 168, 1,	186 5	7	239.1.1.0	0.11.120.12.6.28	V3432	\$3435				1.0.8.	.0
				Send						-	85	DSII	192, 168, 1,	186 1	7	239.1.1.0	0.11.120.12.6.28							
tia a							-			_													CA	P NUM SC
-				100		1			-													and the second	100	15:04
			9																	CX.		<u>a a co</u> al a «		018-3-29

Remark 1: Connect the Laptop running "FbsSysTools" with Gigabit switch by UTP or Wifi

Log in/out

Double press "Ctrl" to login on OSD(on screen display menu)

User ID: admin; Password: admin



After login, move arrow key or mouse to enter "Menu", you can see following " Permission Configuration" OSD



Mouse/Display Matrix Configuration

Press F2 to enter Mouse/Display Matrix OSD

	Mo	use/Display Matrix	
Matrix	De	vice	
Row Number: 1 Number Octume Number: 2	Matrix Workspace-1		192.168.1.25 CON1-1
F1 Permission Configuration	VW 3		F5 Add Row
4	4		F6 Remove Row
Enter Matrix			F8 Remove Column
Insert Matrix			Insert Device
Dinsert			Insert
Delete Matrix Ctrl + Delete			Ctrl + Delete

Video wall matrix configuration

Configuring matrix/group for video wall, so that PC's content can be pushed to video wall by hotkey of Keyboard & Mouse at Workspace Console

Take this "3x7 video wall" as example (IP address refer 1.2 schematic)

| IP : |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 192.168.1.100 | 192.168.1.101 | 192.168.1.102 | 192.168.1.103 | 192.168.1.104 | 192.168.1.105 | 192.168.1.106 |
| H : 1920 |
| V : 1080 |
| IP : |
| 192.168.1.107 | 192.168.1.108 | 192.168.1.109 | 192.168.1.110 | 192.168.1.111 | 192.168.1.112 | 192.168.1.113 |
| H : 1920 |
| V : 1080 |
| IP : |
| 192.168.1.114 | 192.168.1.115 | 192.168.1.116 | 192.168.1.117 | 192.168.1.118 | 192.168.1.119 | 192.168.1.120 |
| H : 1920 |
| V : 1080 |

1 Press "Insert" to add display matrix, named as "VWS"



- 2 Enter "VWS", then use following function key to create 3x7 VW matrix mirror
 - F5 Add row F7 Add Column
- F6 Remove row F8 Remove Column

3 Move arrow key to left and top grid (21 in total), press "Insert"

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to choose the node with IP 192.168.1.100 from device list, and press "Enter".

(4) Insert other 20 node IP of rest screens in order according to installation, as follows 192.168.1.107, 192.168.1.108,192.168.1.113

(5) Then press "Esc" to quit "VWS" matrix.

Mouse Matrix Configuration

Create KVM (Keyboard, Video, Mouse) matrix for Workspace Console, so that user can cross monitor switching by mouse between multiple monitors.

Take "Workspace 3" as example (refer schematic 1.2 - page 6), six monitors is configured as 2x3 layout:

(1) At "Mouse/Display Matrix" OSD, press "Insert" to add mouse matrix, named as "Workspace3"

- (2) Enter "KVM3", then create 2X3 KVM matrix by following key:
 - F5 Add row F6 Remove row F7 Add Column F8 Remove Column

(3) Move arrow key to left and top grid (six in total), press "Insert" to choose the KVM node with IP 192.168.1.147 from device list, and press "Enter"

OPERATIONS

CONFIGURATION

(4) Make sure six IP are in correct order as follows (according to

192.168.1.12

192.168.1.13

192.168.1.14

192.168.1.15

192.168.1.21

192168122

192168123

192.168.1.24

192.168.1.25

Version

4032

4032

4032

4032

4032

4032

4032

4032

4032

installation of decoder nodes)

physical

Matrix

Matrix Add Device Work

VW1-2

/W1-3

/W1-4

SharpT\

VW2-1

W2-2

VW2-3

VW2-4

CON1-1

Work

192.168.1.147	192.168.1.148	192.168.1.149
192.168.1.150	192.168.1.151	192.168.1.152

Mouse/Display Matrix

Status

Show

Show

Show

Show

Show

Show

Show

Show

Show

(5) Then press "Esc" to quit "KVM3" matrix.

15

CONFIGURATION

MORE INFORMATION

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Mouse Configuration

• Configure **HID mode for KVM encoder node by FbsSysTool**, so that the two mouse cursor is synchronous.[**Refer Page 31**]

(1) Get access the PC by double click "Ctrl" , then check whether two mouse cursor are overlapped (PC's mouse cursor and KVM System's mouse cursor)

- 2 If two mouse cursor are not overlapped, please configure HID mode for PC's encoder node by FbsSysTool.(please refer Page...
- ③ Configure mouse speed of PC, enter "Mouse Properties" windows, then untick "Enhance pointer precision" as below:

Buttons	Pointers	Pointer Options	wheel Hardware	
Motion	Select Slow	a pointer speed:	IN-tick - Fast	this
Snap	To Aut dial	omatically move po og box	nter to the default	button in a
Visibili	Short	olay pointer trails	- Uong	
1	🔽 Hid	e pointer while typir	ıg	

Create User Account and Configure Access Permission to every PC



Access Permission introduction

• EXCLUSIVE: The user can view and control the chosen computer. Once user access Exclusive computer, the others will lose view and control. [Remark: press "Shift + Enter" key on "GET" OSD]

• SHARE: The user can view and control the chosen computer, which allow users with same permission, to view and control computer simultaneously .[Note: press "Enter" key to get it on "GET" OSD]

- VIEW ONLY: The user can view the chosen computer only but cannot control it. [Note: press "SPACE" key to get it on "GET" OSD]
- PRIVATE: The computer is forbidden to be accessed. The chosen computer won't be showed on "GET" OSD.

Create new user account

(1) Double press "Ctrl", then press "Windows" key and click "Menu" to enter "Permission Configuration" OSD menu

		Permissi	on Configura	tion		
	Ref No.	User	EXCLUSIVE	SHARE	VIEW ONLY	PRIVATE
VserList : Red No.: 0 User: 001 12 Mouse/Display Matrix Erc Iscope Add User/Device > Insert > Chil & Delater	Number User 0 001 1 002 2 admir	n	Device 	Device 1.89 CON1-1 CON1-2 CON2-2 CON2-2 CON2-2 PC-3 PC-4 SharpTV VW1-1 VW1-3 VW1-4 VW2-1 VW2-4	Device 	Device

2 Press "Insert" to create User account and password, such as "005", "005"

		Permi	ssion Configu	ration			
	Ref No.	User	EXCLUSIVE	SHARE	VIEW ONLY	PRIVATE	
User List :	Numbe 0	User	R	_	Device 		
	2 Us	er	005				
User: 001	Pa	ssword	005				
¹⁹² Mouse/Display Matrix				PC-1			
Esc Escape				PC-2 PC-3			
				PC-4 SharpTV			
Add User/Device				VW1-1 VW1-2			
				VW1-3 VW1-4			
> Ctrl + Delete				VW2-1 VW2-2			1
				VW2-3			
Ctrl + F1							

③ Press "Enter" key or move arrow key to right side, to set permission level for each input Source and each display

	<		Permiss	ion Con	figurati	on	≥			
	Ref N	lo.	User	EXCLU	SIVE	SHARE		VIEW ONLY	PRIVATE	
User List :	Numb	Add EX	CLUSIVE Sour	ce 📐				Device	Device	
Red No. : 2 User: 005 F2 Mouse/Display Matrix Esc Escape	1 2 3	ID VW2-4 CON1-1 CON1-2 CON2-1 CON2-2 PC-2 PC-1 PC-3 PC-4 MiBox		Status Show Show Show Show Online Online Online Online	IP 192.168 192.168 192.168 192.168 192.168 192.168 192.168 192.168 192.168	1.24 1.25 1.26 1.27 1.28 1.36 1.39 1.41 1.42 1.43	Version 4032 4032 4032 4032 4032 2909 2909 2909 2909 2909			
Ctrl + F1 Ctrl + F1 Ctrl + F1					_					

④ Press "Enter" or "Insert" at any permission list to show all device list, identified by ID or IP

 $(\underline{\textbf{5}})$ Select the correct IP and press "Enter" to confirm

6 Press "Esc" to escape

Remark: Every KVM Source/channel should be granted with only one of 4 Permission level, EXCLUSIVE, SHARE, VIEW ONLY or PRIVATE. It's not available to grant IP by 2 permission to same user.

Create user group

If same permission for other user account is required, we can duplicate the created account easily.

Move mouse cursor to user 005, right click and choose "Duplicating User", then re-name it and revise password.



Congrats!

After setting above, it's ready to use.

OPERATIONS

Hot Key Introduction

Once you finish the VWS partition and KVM Matrix Configuration, you can get access video source by "GET" OSD, "KVM Control Panel" OSD and push video source to video wall or other monitor by "PUSH" OSD.

"GET" OSD

After log in, double press "Ctrl" to enter "GET" OSD, then move arrow key, press "enter" to get access the server/PC

		GET				
Video : PC-2 Control : PC-2 Enter :	Pronty List >>>>>>>>>>>>>>>>>>>>>>>>>>>>	Perce PC-2 PC-3 PC-4	Status Online Online Online	Pager Pag P 192168136 192168141 192168142	e2 Version 2909 2909 2909 2909	SHARE SENER SENER SENER SUBLESENER VIEW ONLY SPACE VIEW ONLY SPACE SCH-Backspace
Inne		†Current Source Tab				

- Device: The list of all video source
- Priority List: The source list with high priority for getting access. It's easier for user to get access the frequently-used source by

adding them at the list (choose the source at device list, press F3)

- Function Key introduction:
 - F1: Re-Numbering a source/display in Priority list
 - F2: Re-name source/display in Priority list
 - F3: Add current source into Priority list
 - F4: Remove current source from Priority list
 - F5: Refresh
 - Esc: Escape

"KVM Control Panel" OSD

Double press "Ctrl" again to enter " KVM Control Panel" OSD,



• Device list: all the source content can be previewed in real time.

"PUSH" OSD

Double press "Shift" to show OSD

	Priority List	PUSH				
Video: PC-2	Numbe m001	Partitions	Status Show	IP 192.168.1.11	Version 4032	
Control : PC-2	m002 ID	Source 1921681.42	Show	192.168.1.12	4032	> Enter
Enter:	0 293149679 293149680 293149681 293149681 293149682 293149683 293149684	192.168.1.42 192.168.1.42 192.168.1.42 192.168.1.42 192.168.1.42 192.168.1.42	Show Show Show Show Show Show	192.168.1.14 192.168.1.15 192.168.1.21 192.168.1.22 192.168.1.23 192.168.1.24	4032 4032 4032 4032 4032 4032	VIEW ONLY Space CLOSE CLOSE CLOSE
F2 Re-Name F3 Add to Priority List F4 Remove from Priority List F5 Refree	293149685 293149686 293149687 293149688	192.168.1.42 192.168.1.42 192.168.1.42 192.168.1.42	Show Show Show Show	192.168.1.25 192.168.1.26 192.168.1.27 192.168.1.28	4032 4032 4032 4032	
A Constant	1Current Source 4: Tab	x2 192168111 192168124				

• If push source content to video wall, move cursor to video wall matrix "VWS" at Priority list by "Enter", move arrow key to choose

partition, the chosen one will light by red box on video wall, then press "enter" to push. Same operation to push video to monitor of Workspace.

- Function Key introduction
- F1: Re-Numbering a source/display in Priority list
- F2: Re-name source/display in Priority list
- F3: Add current source into Priority list
- F4: Remove current source from Priority list

F5: Refresh Esc: Escape

Mouse Setting

After login, press "Windows" Key to enter "Login" OSD



Then press "Ctrl" + "F2" to show "Mouse Parameter" windows.



Time:

- "0" hidden KVM System's mouse cursor
- "1" show KVM System's mouse cursor, need to hide computer's mouse cursor.
- Sidebar: setting according to gap between two monitors, normally set as 200

Width and Height: according to resolution of monitor

MORE INFORMATION

Appendix I ——"Touch Panel 3.x.y"

Brief introduction

"Touch Panel" is developed by AVCiT for designing Graphic User Interface

🔕 TouchPanel

Demo Video: click this link to download it via google drive: https://drive.google.com/open?id=1cDZHMZPCxw1MRAfEysYJqxXfpSkn73x9

Icon Overview

🗋 😂 😹 🗄 🕒 🖉 🗖 T 📮 🗆 🗖 🖛 🗂 🖉 👟 🗍 🗃 🖬 🖬 🖬 🖬 🖬 🖬 🖬 🖬 🖬 🖬

• **Page** Create new .tp file

Select"

Icon cursor "select" is very important when you can not open the properties of such area.

Ill "Synchronous Display Wall"

Create "Sync Display Wall" as video wall mirror.

How to create "Sync Display Wall", hereafter called "Sync VW":

Click icon and drag, set the "Row" , "Column" and "Separate Button" according to Video Wall and partition mode;

Then click 🔊 "Select" icon, and double click any screen of "Sync VW" to revise IP and resolution according to related node and screen/projector/sending card of LED cabinet.



For example:7x3 video, IP from 192.168.1.100 to 192.168.1.120. and connect with video wall as following order:

192.168.1.100, 192.168.1.101,	192.168.1.106
192.168.1.107, 192.168.1.108,	
192.168.1.114, 192.168.1.115,	

21 IP should be inputted as following:

TouchPanel 3.7.1		
File(F) View(V) Control(C	C) Operator(O) Help(H)	
j 🗋 😂 🖬 🗱 j 🕼 📗		
三日 日 日 日 日 日 日	王 井 本 🛛 🖉 工 再 再 🗇 🖻 📥 👘 🥐	
Project View	B Homepage	3
AVCIT IP demo	AV/CIT* ID Based & K/VM Video Collaboration System	
⊞- i box	AUCII IP based & KVM Video Conaboration System	
🕀 📄 camera	Save as: Mode1 Mode2 Mode3 Recall: Mode1 Mode2 Mode3	
👜 🔚 light		
	די דיו די ד	
	192.168.1. 192.168.1. 192.168.1. 192.168.1. 192.168.1. 192.168.1. 192.168.1.	
	<u>- n'aso - n'aso - n'aso - so - n'aso -</u>	
	192.168.1. 192.168.1. 192.168.1. ^{p.} 192.168.1. 8.1. 192.168.1.	
	107 108 109 Heepluting 1920 113	
	<u>н 1920 н 1920 v Resolution</u> 1080 20 н 1920	
	$- H \cdot 1920 + H \cdot 192$	

🕨 🖳 "Slider"

Control volume/dimming, i.e. define the slider as IP 192.168.1.17

Volume Control

if you drag any video source over the slider, the audio will be separated/de-embeded to node with IP 192.168.1.17. you can connect this node to amplifier and speaker, and try the build-in volume controller feature.

Dimming Control

you need to order E-CP4C or E-CP4C PRO controller, use DMX512 or I/O,RS232 PORT to control lamp and LED.



• 🔟 "Video Display Frame"

Create preview frame for single video sources from AVCIT node or IP camera, need to write Node's IP and RTSP Stream URLs.

RTSP Stream URLs of video sources from AVCIT DSII/DSIII node:

rtsp://192.168.1.41:2554/352;rtsp://192.168.1.41:554/1080

RTSP Stream URLs of video sources from IP camera, depending on the IP camera brand:

Hikvision IP camera:

rtsp://admin:password@192.168.1.41/h264/ch1/sub/av_stream;rtsp: //admin:password@192.168.1.41/h264/ch1/main/av_stream

Samsung IP camera:

rtsp://admin:password@192.168.0.41:554/profile2/media.smp;rtsp: //admin:password@192.168.0.41:554/profile3/media.smp

TP-LINK IP camera:

rtsp://admin:password@192.168.0.41:554/id=0;rtsp://admin:passw ord@192.168.0.41:554/id=1

Image: Image: Wideo Preview

Create preview frame, which can detecting IP automatically, no need to write RTSP streaming. Allow to set row and column. (perfect choice when video source is less than 10)

While we better use "Scroll Video Preview" if there are more than 10 video source.

Wideo Preview"

Create preview frame, which can detecting IP automatically in order what you set, perfect choice to make multiple preview pages f there are more than 10 video source.

Remard: decoding capacity of iPad Pro(12.9" 64GB version) is max. 15 video, while computer with intel i5 can decoding 15-16 video.

How to create "Scroll Video Preview" frame:

Click the icon and drag on empty area, choose "select" icon, then double-click "Scroll Video Preview" frame, "Device info Manage" pops up, then "ADD", to write the correct IP and RTSP streaming format.



How to create grouping for "Scroll Video Preview"

frame:

Simply add [1] before "name", following PC 1,2,3,4 is group 1, they will scroll together

evice In	ifo List						
ID	Name	Preview Address	HD Address	UHC	5		
1	[1]PC 1	rtsp://192.168.1.181:2554/352	rtsp://192.168.1.181:554/1080				
2	[1]PC 2	rtsp://192.168.1.182:2554/352	rtsp://192.168.1.182:554/1080				
3	[2]PC 3	rtsp://192.168.1.183:2554/352	rtsp://192.168.1.183:554/1080				
4	[2]PC 4	rtsp://192.168.1.184:2554/352	rtsp://192.168.1.184:554/1080				
5	PC 5	rtsp://192.168.1.185:2554/352	rtsp://192.168.1.185:554/1080				
6	PC 6	rtsp://192.168.1.186:2554/352	rtsp://192.168.1.186:2554/1080				
7	PC 7	rtsp://192.168.1.187:2554/352	rtsp://192.168.1.187:2554/1080				
8	PC 8	rtsp://192.168.1.188:2554/352	rtsp://192.168.1.188:2554/1080				
9	PC 9	rtsp://192.168.1.189:2554/352	rtsp://192.168.1.189:2554/1080				
10	PC 10	rtsp://192.168.1.190:2554/352	rtsp://192.168.1.190:2554/1080				
11	PC 11	rtsp://192.168.1.191:2554/352	rtsp://192.168.1.191:2554/1080				
12	PC 12	rtsp://192.168.1.192:2554/352	rtsp://192.168.1.192:2554/1080				
•		m					

NTRODUINTROD



• 🛛 🖾 "Preset Save/Recall"

Scenario save and recall, all video wall layout can be saved and recall

🅍 "Web-camera"

IP camera preview, we usually do it by "Video Display Frame" frame

Image: Image Image: Imag

For environment detection, display and re-action these are useful when your system have sensors (of course you need AVCIT E-CP4C controller) such as temperature, brightness, air pollution, humidity, alarming system etc.

The status of these devices will be display here. Some reaction can be preset to be activated once something happened. Such as alarming is detected, or the value of temperature reach or exceed

"Pagecontainer and subpage"

Create multiple sub page and switch between multiple sub page

show name X1 Y1 0 - -PHOTO-4 PHOTO-5 r1 width height display pag VIDEOPREVIEW VIDEOPREVIEWFRAM VIDEORREVIEW 192.168.1.28 IF РНОТО-8 H : 1920 V : 1080 H: 1920 V: 1080 H: 1920 V: 1080 H: 1920 V: 1080 PHOTO-9 PHOTO-7 PHOTO-6 PHOTO-10 PHOTO-12 PHOTO-13 Coordibate(X1,Y1) and S 12 D D size of all 3 page IP : 192.168.1.173 H : 1920 V : 1080 FONTBTN-0 : 192.168.1.29 H : 1920 V : 1080 192.168.1.36 192.168.1.30 FONTBTN-3 H : 1920 V : 1080 H : 1920 V : 1080 container is same FONTBTN-4 FONTBTN-5 T BT-DLIO2 T BT-KGIO1 BT-HWIO PHOTO-11 PHOTO-14 0 🖬 🔳 🛱 BT-WD PHOTO-1 PHOTO-16 PAGECONTAINER-1 PAGECONTAINER-2 VID there are 3 page container for 3 subpage

• Ticker and slider photo": not usually used

• 💷 "log in"

Create password and different user with different permission.

Function of "login" of i-CTL and TPread is slightly different, following is UI of login in TPread

Once you add "login" icon, you need to enter password, default admin ID and password is admin, you can or right click(or long press blank area, at i-CTL), select "user manage" to change password, and create new user ID.



Recording

This for project that AVCIT's IP based playback system was involved, but this system is not open to oversea market in this stage

E8platform and RVS platform"

This icon is available from "Touch Panel" version 3.7.5, both are interface to integrate surveillance system or AI system(face identification), e.g. Hikvision DS-B20 system and YITU AI system.

This is mission critical for police and military, because they have a comprehensive surveillance and AI system, with thousand of cameras located all around the city. Several installation is already deployed in China.

CONFIGURATION

AVCiT.

Appendix **II**——"FbsSysTool"

Brief Introduction

FbsSysTool is developed by AVCiT for system configuration, including: revise Node's ID, IP, resolution and other parameter setting. FbsSysTools-1.41.18.423_english

Login ID: user01

Password: 4940497299

Overview

🔏 Fbs system assistant			
E Function Setup View(V) Help(H)			
Open Search Configure Timing Rate Clear	Login Updated Clear win Clear map	5	
Send 2 • # × Output	2 X × No. Type IP ID GIP	MAC MASK GATEWAY AVersion	EVersion AlpuError KvmServ
Send	*		
Send		m	•
就绪			CAP NUM SCRL

1 —— Connect the laptop with AVCiT system's network, please click exact IP address if your PC connecting with two network.

Network selectio	n	×
	192.168.1.188	
	192.168.31.186	

- 2 —— Click here to search all online node or refresh.
- 3 Login ID: user01 ; Password: 4940497299
- 4-- Clear all online node information
- 5 —— Delete the background picture uploaded to node.
- Tips to check whether the node is on-line or whether there are IP conflict or MAC address conflict.

Check whether there are RED items (the FbsSysTool should be 1.73 at least)

If there are RED items:

- 1. Check whether the node is powered on via LED lamp and can be Ping
- 2. If node is on-line, check whether there is IP conflict
- 3. If no IP conflict, check whether there is MAC conflict

RED items as picture below:

🙈 Fbs system assistant - net	twork	port 52588 has been opened										-		×
Function Setup View(V) Help	p(H)													
A Saarch Satur		Char Login Hindated Ch	Ĉ	l	Clear man									
Send •	лх	Output -	×	Ro.	Туре	IP	ID	GIP	RAC	MASK	GATEWAY	AVersion	EVersion	HVer A
		(MC-0 11 19 6 5 101'); address	1	19	DSIII (RX)	192.168.1.12	LED2	239.1.1.1	0.11.210.7.6.140	255.255.255.0	192.168.1.254	¥4258	¥4258	
	Send	192.168.1.18:48689	^	20	DSIII (RX)	192.168.1.13	LED3	239.1.1.1	0.11.101.7.6.134	255.255.255.0	192.168.1.254	¥4258	¥4258	
	Send	11:38:29>>>reovfrom('TYPE:ISIII(RI)' 'TF:192 168 1 35' 'TD:LCD1 19'		21	DSIII (RX)	192.168.1.14	LED4	239.1.1.1	0.11.231.7.6.152	255.255.255.0	192.168.1.254	¥4258	¥4258	
	Send	GIP:239 1.1.1 ' MAC:0.11.19.6.5.192'):		22	DSIII(RX)	192.168.1.15	LED5	239.1.1.1	0.11.230.7.6.146	255. 255. 255. 0	192.168.1.254	¥4258	¥4258	
	Send	address 192.168.1.35:40689 11:38:29>>>revfrom('TYPE:ISIII(RE)'		23	DSIII(RX)	192.168.1.16	LED6	239.1.1.1	0.11.218.7.6.157	255. 255. 255. 0	192.168.1.254	¥4258	¥4258	
	Send	[IP:192.168.1.29] [ID:LCD1_13]		24	DSIII(RX)	192, 168, 1, 17	LCD1_1	239.1.1.1	0.11.19.6.5.111	255. 255. 255. 0	192.168.1.254	¥4263	¥4263	
	Send	address 192.168.1.29:49689		25	DSIII(RX)	192.168.1.18	LCD1_2	239.1.1.1	0.11.19.6.5.101	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send	11:38:29>>>reovfrom('TYPE:ISIII(RE)'		26	DSIII(RX)	192.168.1.19	LCD1_3	239.1.1.1	0.11.19.6.5.136	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send	'GIP:239.1.1.1' 'MAC:0.11.19.6.5.194'):		27	DSIII(RX)	192.168.1.20	LCD1_4	239.1.1.1	0.11.19.6.5.127	255.255.255.0	192.168.1.254	¥4263	¥4263	
		address '192, 168, 1, 36; 48689'		28	DSIII(ROK)	192.168.1.21	LCD1_5	239.1.1.1	0.11.19.6.5.114	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send	[IP: 192.168.1.44' ' ID LCD2-4' ' GIP: 239.1.1.1'		29	DSIII(RX)	192.168.1.22	LCD1_6	239.1.1.1	0.11.19.6.5.190	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send	[NAC:0.11.70.5.21.161]): address [192_168_1_44:48689]		30	DSIII(RX)	192.168.1.23	LCD1_7	239.1.1.1	0.11.19.6.5.113	255.255.255.0	192.168.1.254	¥4263	¥4263	_
	Send	11:38:29>>>reovfrom('TYPE:ISIII(RI)'		31	DSIII(RX)	192.168.1.24	LCD1_8	239.1.1.1	0.11.19.6.5.133	255.255.255.0	192.168.1.254	¥4263	¥4263	_
	Send	「IF:192.168.1.68 ID:石田収重 「GIP:239.1.1.1」「MAC:0.11.22.12.13.129」):		32	DSIII(RX)	192, 168, 1, 25	LCD1_9	239.1.1.1	0.11.19.6.5.191	255.255.255.0	192.168.1.254	¥4263	¥4263	_
	Send	address '192.168.1.68:48689'		33	DSIII(RX)	192.168.1.26	LCD1_10	239.1.1.1	0.11.19.6.5.137	255.255.255.0	192.168.1.254	¥4203	¥4263	_
	Send	IF 192.168.1.9 ID LED1 GIP 239.1.1.1		34	DSIII(RX)	192.108.1.27	LCD1_11	239.1.1.1	0.11.19.6.5.195	255.255.255.0	192.108.1.254	¥4203	¥4203	_
	Sezd	(MAC:0.11.163.7.6.150'): address		30	DSIII(RX)	192.108.1.28	LCD1_12	239.1.1.1	0.11.19.0.5.128	200.200.200.0 200.200.200.0	192.108.1.254	¥4203	¥4203	_
	Send	11:38:29>>>reovfrom("TYPE:ISILI(RE)"		30	DOTTI (RA)	102.100.1.29	1001_13	235.1.1.1	0.11.10.0.0.112	200.200.200.0	102 160 1 264	14203	14203	_
	C 1	[IF:192.168.1.30] ID:LC01_14 [GTP:239.1.1.1] MAC:0.11.19.6.5.115])		10	DSTIT(RX)	192.169.1.30	LCD1_14	239.1.1.1	0.11.19.0.5.113	200.200.200.0	192.108.1.204	V4263	74203	_
	262/1	address '192.168.1.30:48689'		100	DSTIT(PV)	192 169 1 32	LCD1_16	239.1.1.1	0 11 19 6 5 110	255 255 255 0	192 169 1 254	74263	74200	
	Send	11:38:29>>>recvfrom(TYPE:ISIII(RI) 'IP:192.168.1.12' 'ID:LED2' 'GIP:239.1.1.1'		40	DSTIT(RY)	192 168 1.33	1001_10	239.1.1.1	0 11 19 6 5 126	255 255 255 0	192 168 1 254	¥4263	¥4263	
	Send	[MAC:0.11.210.7.6.140'): address		41	DSTIT(RY)	192 168 1 34	LCD1 18	239 1 1 1	0 11 19 6 5 132	255 255 255 0	192 168 1 254	¥4263	¥4263	
	Send	192.168.1.12:48689 11:38:29>>>reovfrom('TYPE:ISIII(RI)'		42	DSTIT(RX)	192, 168, 1, 35	LCD1 19	239, 1, 1, 1	0, 11, 19, 6, 5, 192	255, 255, 255, 0	192, 168, 1, 254	¥4263	¥4263	
	Send	[IF:192.168.1.69] 'ID:左会议室'		43	DSIII(RX)	192, 168, 1, 36	LCD1 20	239.1.1.1	0, 11, 19, 6, 5, 194	255, 255, 255, 0	192, 168, 1, 254	¥4263	¥4263	
	Send	address '192.168.1.69:48689'		44	DSIII(RX)	192, 168, 1, 41	LCD2-1	239, 1, 1, 1	0, 11, 70, 5, 21, 164	255, 255, 0, 0	192, 168, 1, 254	¥4263	¥4263	
	Send	11:38:29>>>racwfrom('TYPE:DSIII(RE)'		45	DSIII (RX)	192, 168, 1, 42	LCD2-2	239, 1, 1, 1	0, 11, 70, 6, 6, 114	255, 255, 255, 0	192, 168, 1, 254	¥4263	¥4263	
	Sand	GIP:239,1.1.1' 'MAC:0.11.19.6.5.137'):		46	DSIII(RX)	192.168.1.43	LCD2-3	239.1.1.1	0.11.70.6.6.111	255.255.255.0	192.168.1.254	¥4263	¥4263	
	0 1	address 192.168.1.26:49689 11:38:29)))ragefron ("TVPF ISTIT(RT)"		47	DSIII(RM)	192.168.1.44	LCD2-4	239.1.1.1	0.11.70.5.21.161	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send.	[IP:192.168.1.21 'ID:LCD1_5 'GIP:239.1.1.1'		48	DSIII(RX)	192.168.1.45	LCD2-5	239.1.1.1	0.11.70.5.21.163	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send	MAC: 0. 11. 19. 6. 5. 114): address 192. 168. 1. 21: 48689		49	DSIII(RX)	192.168.1.46	LCD2-6	239.1.1.1	0.11.70.6.6.110	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send	11:38:29>>>reovfrom('TYPE:ISIII(RI)'		50	DSIII(RX)	192.168.1.47	LCD2-7	239.1.1.1	0.11.9.3.8.159	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send	MAC:0. 11. 218, 7.6, 157): address		51	DSIII(RX)	192.168.1.48	LCD2-8	239.1.1.0	0.11.79.3.8.158	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send	192.168.1.16:48689'		52	DSIII(RX)	192.168.1.49	LCD2-9	239.1.1.1	0.11.70.5.21.162	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send	[IF:192.168.1.13] ID:LEI3 GIP:239.1.1.1		53	DSIII(RX)	192.168.1.50	LCD2-10	239.1.1.1	0.11.70.6.6.122	255. 255. 255. 0	192.168.1.254	¥4263	¥4263	
	Send	[NAC:0.11.101.7.6.134'): address / 192.168.1.13:48689'		54	DSIII(RX)	192.168.1.51	LCD2-11	239.1.1.1	0.11.70.4.16.107	255. 255. 255. 0	192.168.1.254	¥4263	¥4263	
	Sand	11:38:29>>>racefrom('TYPE:IGIII(RE)'	-	55	DSIII(RX)	192.168.1.52	LCD2-12	239.1.1.1	0.11.49.4.16.105	255. 255. 255. 0	192.168.1.254	¥4263	¥4263	
	C.m.	GTP:239 1 1 1 ' MAC 0 11 19 6 5 193')		56	DSIII(RX)	192.168.1.53	LCD2-13	239.1.1.1	0.11.70.6.6.112	255. 255. 255. 0	192.168.1.254	¥4263	¥4263	
	Jena	address 192.168.1.31:40689		57	DSIII(RX)	192.168.1.54	LCD2-14	239.1.1.1	0.11.70.6.6.125	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send	[11:38:29>>>>recvtrom(TYPE:ISIII(EI) [IF:192.168.1.42] [ID:LCH2-2] [GIP:239.1.1.1]		58	DSIII(RX)	192.168.1.55	LCD2-15	239.1.1.1	0.11.70.6.6.123	255.255.255.0	192.168.1.254	¥4263	¥4263	
	Send	[MAC:0.11.70.6.6.114'): address		59	DSIII(RX)	192.168.1.56	LCD2-16	239.1.1.1	0.11.70.6.6.109	255. 255. 255. 0	192.168.1.254	¥4263	¥4263	~
	Send	192.100.1.42:40009		11						and the first fi				>

• Tips to revise node's ID and IP

It's important to revise node's ID and IP for more convenient management and maintenance in future, Please revise them according to physical installation, and avoid IP conflict.

Example to rename ID:

"PC-1, PC-2 PC-n" or "Worktation-1, ... Workstation-n" for input source VW1-1, VW1-2 ... VW 3-3 for video wall

Workspace1-1, Workspace1-2.... for workspace console

Double click IP, then input new address and press "Enter" to confirm

7	DSIII (RX)	192.168.1.186	7号电脑2	239.1.1.1	0.11.245.98.117.148	255.255.0.0	192.168.1.1	V4032
8	DSIII(RX)	192.168.11.111	屏1一1	239.1.1.1	0.11.92.41.155.25	255.255.0.0	192.168.1.1	
9	DSIII (RX)	192.168.11.112	屏1-2	239.1.1.1	0.11.70.254.91.23	255.255.0.0	192.168.1.1	
10	DSIII(RX)	192.168.11.113]屏1-3	239.1.1.1	0.11.70.254.91.8	255.255.0.0	192.168.1.1	

Double click ID, then input new name and press "Enter" to confirm.

			A Subserver					
8	DSIII (RX)	192.168.11.111	屏1-1	239.1.1.1	0.11.92.41.155.25	255.255.0.0	192.168.1.1	
9	DSIII (RX)	192.168.11.112	屏1-2	239.1.1.1	0.11.70.254.91.23	255.255.0.0	192.168.1.1	
10	DSIII (RX)	192.168.11.113	屏1-3	239.1.1.1	0.11.70.254.91.8	255.255.0.0	192.168.1.1	
11	DSIII (RX)	192.168.11.114	屏1-4	239.1.1.1	0.11.70.254.92.27	255.255.0.0	192.168.1.1	

Tips to detect speed mode of UTP Cable

The UTP Cable should work by 1 G rate.

Right click "Speed/Up/Down(bps)" Zone of any node items, then click Open monitor.

Jpda	ted Clear win Clea	ar map											
× [IP	ID	GIP	MAC	MASK	GATEWAY	AVersion	EVersion	AlpuError	KvmServer	Speed/Up/down(bps)	SDK	
^	192.168.168.110	会议室VGA输入	239.1.1.1	0.11.120.8.21.39	255.255.0.0	192.168.1.1							
	192.168.1.141	主坐席1	239.1.1.1	0.11.248.6.12.80	255.255.0.0	192.168.1.1	V4032	V4032				1.0.6.3	
	192.168.1.142	主坐席2	239.1.1.1	0.11.160.6.12.81	255.255.0.0	192.168.1.1	V4032	V4032				1.0.6.3	
	192.168.1.143	主坐席3	239.1.1.0	0.11.124.7.19.82	255.255.0.0	192.168.1.1	V4032	V4032				1.0.6.3	
	192.168.1.144	主坐席4	239.1.1.0	0.11.2.6.12.83	255.255.0.0	192.168.1.1	V4032	V4032				1.0.6.3	
	192.168.1.145	主坐席5	239.1.1.1	0.11.72.7.12.84	255.255.0.0	192.168.1.1	V4032	V4032				1.0.6.3	
	192.168.1.146	主坐席6	239.1.1.1	0.11.13.7.12.85	255.255.0.0	192.168.1.1	V4032	V4032				1.0.6.3	
	192.168.1.186	7号电脑2	239.1.1.1	0.11.245.98.117.148	255.255.0.0	192.168.1.1	V4032	V4032	1369			1.0.4.0	
	192.168.11.111	屏1—1	239.1.1.1	0.11.92.41.155.25	255.255.0.0	192.168.1.1							
	192.168.11.112	屏1-2	239.1.1.1	0.11.70.254.91.23	255.255.0.0	192.168.1.1							
	192.168.11.113	屏1-3	239.1.1.1	0.11.70.254.91.8	255.255.0.0	192.168.1.1							
	192.168.11.114	屏1-4	239.1.1.1	0.11.70.254.92.27	255.255.0.0	192.168.1.1							
	192.168.11.115	屏1-5	239.1.1.0	0.11.70.254.91.34	255.255.0.0	192.168.1.1							
	192.168.11.116	屏1-6	239.1.1.1	0.11.70.254.91.38	255.255.0.0	192.168.1.1							
	192.168.11.117	屏1-7	239.1.1.1	0.11.70.254.91.7	255.255.0.0	192.168.1.1							
	192.168.11.121	屏2-1	239.1.1.1	0.11.70.254.91.28	255.255.0.0	192.168.1.1							
	192.168.11.122	屏2-2	239.1.1.1	0.11.70.254.91.30	255.255.0.0	192.168.1.1							
	192.168.11.123	屏2-3	239.1.1.1	0.11.70.254.91.11	255.255.0.0	192.168.1.1							
	192.168.11.124	屏2-4	239.1.1.1	0.11.70.254.91.12	255.255.0.0	192.168.1.1							
- Þ	192.168.11.125	屏2-5	239.1.1.0	0.11.70.254.91.5	255.255.0.0	192.168.1.1					-		
	192.168.11.126	屏2-6	239.1.1.1	0.11.70.254.91.29	255.255.0.0	192, 168, 1, 1							4
	192.168.11.127	屏2-7	239.1.1.1	0.11.70.254.91.27	255.255.0.0	192.168.1.1					Open moni	tor	

255.255.255.0	192.168.1.254	V4263	V4263	1G	t	18.3K 🌡	17.4K	1.0.
255.255.255.0	192.168.1.254	V4263	V4263UTD soble speed menitoring	1G	t	16.7K 🌡	16.9K	1.0.
255.255.255.0	192.168.1.254	¥4263	v4263 UIP cable speed monitoring	1G	t	18.5K 🌡	17.2K	1.0.
255.255.255.0	192.168.1.254	V4263	V4263	1G	1	6.3K 🗼	16.9K	1.0.
255.255.255.0	192.168.1.254	V4263	V4263	1G	t	16.2K 🗼	16.7K	1.0.
255.255.255.0	192.168.1.254	¥4263	v42631f it's 100M, please remak	e 1G	t	18.2K 🌡	16.7K	1.0.
255.255.255.0	192.168.1.254	¥4263	V4263 the DIAE connector	1G	1	17.3K 🗼	17.3K	1.0.
255.255.255.0	192.168.1.254	V4263	V4263 the KJ45 connector	1G	t	16.4K 🗼	17.2K	1.0.
255.255.255.0	192.168.1.254	¥4263	V4263	1G	1	7.3K 🗼	17.1K	1.0.
255.255.255.0	192.168.1.254	V4263	V4263	1G	1	17.2K 🗼	17.2K	1.0.
255 255 255 0	192 168 1 254	¥4263	¥4263	16	ŧ	17 9K 1	16 9K	1.0

CONFIGURATION

AVCIT.

IP	ID	GIP	MAC	MASK	GATEWAY	AVersion	EVersion	AlpuError	KwnServer	Speed,	/Up/down(bps)	SDK
192.168.11.115	屏1-5	239.1.1.0	0.11.70.254.91.34	255.255.0.0	192.168.1.1								
192.168.11.116	屏1-6	239.1.1.1	0.11.70.254.91.38	255.255.0.0	192.168.1.1								
192.168.11.117	屏1-7	239.1.1.1	0.11.70.254.91.7	255.255.0.0	192.168.1.1								
192.168.11.121	屏2-1	239.1.1.1	0.11.70.254.91.28	255.255.0.0	192.168.1.1								
192.168.11.122	屏2-2	239.1.1.1	0.11.70.254.91.30	255.255.0.0	192.168.1.1								
192.168.11.123	屏2-3	239.1.1.1	0.11.70.254.91.11	255.255.0.0	192.168.1.1								
192.168.11.124	屏2-4	239.1.1.1	0.11.70.254.91.12	255.255.0.0	192.168.1.1								
192.168.11.125	屏2-5	239.1.1.0	0. 11. 70. 254. 91. 5	255.255.0.0	192.168.1.1								
192.168.11.126	屏2-6	239.1.1.1	0.11.70.254.91.29	255.255.0.0	192.168.1.1								
192.168.11.127	屏2-7	239.1.1.1	0.11.70.254.91.27	255.255.0.0	192.168.1.1								
192.168.11.131	屏3-1	239.1.1.1	0.11.70.254.92.29	255.255.0.0	192.168.1.1								
192.168.11.132	屏3-2	239.1.1.1	0.11.70.254.91.31	255.255.0.0	192.168.1.1								
192.168.11.133	屏3-3	239.1.1.0	0.11.70.254.91.19	255.255.0.0	192.168.1.1								
192.168.11.134	屏3-4	239.1.1.1	0.11.70.254.91.32	255.255.0.0	192.168.1.1								
192.168.11.135	屏3-5	239.1.1.1	0.11.70.254.91.61	255.255.0.0	192.168.1.1								
192.168.11.136	屏3-6	239.1.1.0	0.11.70.254.91.35	255.255.0.0	192.168.1.1								
192.168.11.137	屏3-7	239.1.1.0	0.11.70.254.91.43	255.255.0.0	192.168.1.1								
192.168.168.111	kva11	239.1.1.0	0.11.132.6.12.80	255.255.0.0	192.168.1.1								
192.168.168.112	kvn12	239.1.1.1	0.11.37.6.12.80	255.255.0.0	192.168.1.1								
192.168.168.113	kvn13	239.1.1.1	0.11.230.6.12.80	255.255.0.0	192.168.1.1								
192.168.168.114	kvn14	239.1.1.1	0.11.174.6.12.80	255.255.0.0	192.168.1.1								
192.168.1.151	1号电脑-4K	239.1.1.1	0.11.115.107.8.3	255.255.0.0	192.168.1.1	V2911	V2911			1G	† 9.4M	↓ 29.8K	1.0.1
192.168.1.152	2号电脑一4K	239.1.1.1	0.11.115.106.8.4	255.255.0.0	192.168.1.1	V2911	V2911			1G	1 43.7M	40.9K	1.0.1
192.168.1.154	4号小米BOX-4K	239.1.1.1	0.11.115.106.8.5	255.255.0.0	192.168.1.1	V2911	V2911			1G	† 46.2M	4 69.0K	1.0.1
192.168.1.131	2x2屏1	239.1.1.0	0.11.245.98.118.21	255.255.0.0	192.168.1.1	V4032	V4032			1G	† 12.8K	↓ 6.2M	1.0.4
192.168.1.132	2x2屏2	239.1.1.1	0.11.245.98.118.22	255.255.0.0	192.168.1.1	V4032	V4032			1G	† 13.1K	↓ 6.1M	1.0.4
192.168.1.133	2x2屏3	239.1.1.1	0.11.245.98.118.23	255.255.0.0	192.168.1.1	V4032	V4032			100M	† 12.3K	↓ 6.1M	1.0.4
192.168.1.134	2x2屏4	239.1.1.1	0.11.245.98.118.24	255.255.0.0	192.168.1.1	V4032	V4032			1G	† 12.8K	1 5.9M	1.0.4
192.168.1.155	5号电脑-1080	239.1.1.1	0.11.69.2.102.215	255.255.0.0	192.168.1.1	V4025	V4025 W	rong -		1G	13.5M	↓ 1.6M	1.0.4
192.168.1.156	6号电脑-1080	239.1.1.1	0.11.203.16.251.243	255.255.0.0	192.168.1.1	V4025	V4025			1G	† 9.9M	↓ 16.5K	1.0.4
192.168.1.157	7号电脑-1080	239.1.1.1	0.11.18.158.208.16	255.255.0.0	192.168.1.1	V4025	V4025		н	1G	† 21.4M	↓ 1.6M	1.0.4
192.168.1.158	8号电脑-1080	239.1.1.1	0.11.91.48.171.51	255.255.0.0	192.168.1.1	V4025	V4025			1G	† 135.4K	↓ 10.6K	1.0.4
192.168.1.159	9号电脑-1080	239.1.1.1	0.11.3.127.161.208	255.255.0.0	192.168.1.1	V4025	V4025			1G	† 90.8K	↓ 11.2K	1.0.4
192.168.1.160	10号电脑-1080	239.1.1.1	0.11.200.11.244.233	255.255.0.0	192.168.1.1	V4025	V4025			1G	1.71	↓ 16.2K	1.0.4
192.168.1.161	11号电脑-1080	239.1.1.1	0.11.160.185.120.68	255.255.0.0	192.168.1.1	V4025	V4025			1G	† 22.9K	↓ 11.1K	1.0.4
192.168.1.162	12号电脑-1080	239.1.1.1	0.11.87.38.155.28	255.255.0.0	192.168.1.1	V4025	V4025			1G	† 12.9M	↓ 18.2K	1.0.4
192.168.168.140	会议室显示器	239.1.1.1	0.11.249.107.131.167	255.255.0.0	192.168.1.1								
102 168 168 160	会i☆★umurt 检λ	290 1 1 1	0 11 245 08 118 200	255 255 0 0	102 168 1 1								

Tips to set KVM's priority (KVM Server)

It's required only for the system with KVM function. (Skip it if you didn't purchase KVM Node)

Right click "KvmServer" Zone to choose High Priority for any DSIII KVM Node

se Search	Configure	Timing Rate	Clear	Dit	Ipdated	Clear win	Clear map										
	+ # X	Output		- ÷	K No.	Туре	IP	ID	GIP	MAC	MASK	GATEWAY	AVersion	EVersion	Alpufirror	KynServer	Speed/Up/down
	Sea4	192.168.1.134	48699'	1601455	1 3	DSIII(RX)	192.168.1.143	主坐席3	239.1.1.0	0.11.124.7.19.82	255.255.0.0	192.168.1.1	¥4032	74032			
	Sead	17:11:06>>>recv	fron (TIFE:	BIII+	4	DSIII(RX)	192.168.1.144	<u>主</u> 坐席4	239.1.1.0	0.11.2.6.12.83	255.255.0.0	192.168.1.1	¥4032	70032			
	Send	GEF 239.1.1.0	101 10:505	AR1	6	DSIII(RX)	192.168.1.145	主坐席6	239.1.1.1	0.11.72.7.12.84	255.255.0.0	192.168.1.1	¥4032	74032			
	Send	MAC: 0. 11. 245. 9	8.118.21'):	*¢dress	6	DSIII(RX)	192.168.1.146	主坐既6	239.1.1.1	0.11.13.7.12.85	255.255.0.0	192.168.1.1	¥4032	74032			
	Send	17:11:06)))recy	from (TIPE:	11128	7	DSIII(RX)	192, 168, 1, 186	7号电脑2	239.1.1.1	0.11.245.98.117.148	255.255.0.0	192.168.1.1	¥4032	74032	136T		
		(BC)' 'IP:192.1	68.1.186'	10:7号电	8	DSIII(RX)	192.168.11.111	屏1-1	239.1.1.1	0.11.92.41.155.25	255.255.0.0	192.168.1.1					
	Sent	BAC: 0. 11. 245. 9	(, 1, 1' (6, 117, 146')		9	DSIII(RX)	192.168.11.112	屏1-2	239.1.1.1	0.11.70.254.91.23	255.255.0.0	192.168.1.1					
	Send	address ' 192.16	10.1.105:405	09'	10	DSIII(RX)	192.168.11.113	牌1-3	239.1.1.1	0.11.TO.254.91.8	255.255.0.0	192.168.1.1					
	Send	17.11.06)))recv 17.192.168.168	ctros (T1PE) 160' ' ID 4	FOLL+	11	DSIII(RX)	192.168.11.114	屏1-4	239.1.1.1	0.11.70.254.92.27	255.255.0.0	192.168.1.1					
	Send	HINTSON, GIL	239.1.1.1		12	DSIII(RX)	192.168.11.115	牌1-5	239.1.1.0	0.11.10.254.91.34	255.255.0.0	192.168.1.1					
	Send	Mat. 11. 245. 9	40.110.2001)	iner I	13	DSIII(RX)	192.168.11.116	展1-6	239.1.1.1	0.11.70.254.91.38	255.255.0.0	192.168.1.1					
	(aut)	17:11:06>>>recv	from (TIPE:	ISII+'	14	DSIII(RX)	192.168.11.117	展1-7	239.1.1.1	0.11.70.254.91.7	255.255.0.0	192.168.1.1					
	CHEL	-17 192 168 168 -59' 'GTP 239	5.140°, 1D:9	20(212	15	DSIII(RX)	192, 168, 11, 121	牌2-1	239, 1, 1, 1	0, 11, T0, 254, 91, 28	255, 255, 0, 0	192, 168, 1, 1					
	Send	MiC:0.11.249.1	107.131.167	1:	16	DSIII(BX)	192, 168, 11, 122	# 2-2	239, 1, 1, 1	0, 11, 70, 254, 91, 30	255, 255, 0, 0	192, 168, 1, 1					
	Send	address 192.16	8.163.140.4	8699/	17	DSTIT(8X)	192, 168, 11, 123	H2-3	239, 1, 1, 1	0, 11, 10, 254, 91, 11	255, 258, 0, 0	192, 168, 1, 1					
	Send	(T.C.)' 'IF: 192.1	60.1.151	13:1号中	18	DSTIT(BX)	192, 168, 11, 124	122-d	239.1.1.1	0.11.70.254.91.12	255.255.0.0	192, 168, 1, 1					
	Sea4	精一41. 617-23	9.1.1.1		19	DSIII(8X)	192, 168, 11, 125	# 2-5	239, 1, 1, 0	0, 11, 70, 254, 91, 5	255, 255, 0, 0	192, 168, 1, 1					
	First	122.168.1.151	40603		20	DSTIT(RX)	192, 168, 11, 125	B2-6	239.1.1.1	0.11.10.254.91.29	255, 255, 0, 0	192, 1/98, 1, 1					
		17:11:06>>>>recv	from CTHE:	WII+,	21	DSTIT(BY)	192 168 11 127	E2-7	239.1.1.1	0 11 70 254 91 27	255 255 0.0	192 168 1 1					
	Seat	GEF 239.1.1.1'	100 10.282	N#->	22	DSITI(8X)	192, 168, 11, 131	B-3-1	239, 1, 1, 1	0, 11, 70, 254, 92, 29	255, 255, 0, 0	192, 168, 1, 1					
	Sea4	BAC:0.11.245.9	8.118.23'):	address:	23	DSTIT(RX)	192, 168, 11, 132	M3-2	239.1.1.1	0.11.70.254.91.31	255.255.0.0	192, 1/38, 1, 1					
	Send	17:11:06>>>>recv	from C TIPE:	KIII	24	DSTIT(8Y)	192 168 11 133	E3-3	299.1.1.0	0 11 70 254 91 19	255 255 0.0	192 168 1 1					
	Sead	(TI)' 'IP:192.1	168.1.154'	11:4号小	28	DSTIT (8Y)	192 169 11 134	No-4	299.1.1.1	0 11 70 254 91 32	255,255,0.0	192 168 1 1					
	Send	MAC:0.11.115.1	06.0.5'): +	ttress	25	DSITT (RX)	192, 168, 11, 135	R3-5	239.1.1.1	0.11.70.254.91.61	255, 255, 0, 0	192, 168, 1, 1					
		192.168.1.154	48699		27	DSTIT(8Y)	192 168 11 196	R3-6	299.1.1.0	0 11 70 254 91 35	255, 255, 0, 0	192 168 1 1					
	Sent	(TE) ' IF 192.1	rfrom (* 11172.) 168: 1. 152'	13:2世世	28	DOTTI (BY)	192 169 11 197	No. 0	239.1.1.0	0 11 10 254 91 45	255 255 0.0	102 100 1 1					
	Send	编-0." 'GIT:23	9.1.1.1		00	DOTT (DD)	102 169 162 111	June 11	20011110	0.11.102.6.10.00	20012001010	100, 162, 1, 1				-	
	Send	192 168 1 152	496997	447 433	30	DOTTY (89)	100 160 162 110	how 10	290.1.1.1	0 11 52 8 12 50	16E 15E 0.0	100 102 1 1	_			HÉ	oh priority
	Send	17:11:05)))rend	ito (Search		11	DCITT (BY)	102 160 160 111	lum13	299.1.1.1	0 11 230 6 12 80	255 255 0.0	102 102 1 1					adium oriente.
	Send	equipment"): ed	3027855		31	DOTTT (DV)	100 160 160 114	hum 14	190 1 1 1	0. 11. 124 6 12.00	265 255 0 0	102 102 1 1				M	runnin priority
	Sand	17:11:06>>>mend	ito ('Search		135	DCITT(TY)	192 168 1 181	1Settle-dr	290 1 1 1	0 11 115 107 8 3	255 255 0.0	192 169 1 1	92011	92011		Lo	w priority
	0401	"0.0.0.0.20416"	22.422		24	DOILT (TV)	102 168 1 162	28:m8t -/2	290 1 1 1	0 11 115 105 9 4	255 255 0.0	102 102 1 1	V1011	73011		Cla	ose service
	Sint	17:11:06>>>send	ito ('Search		35	DSTIT(TY)	192 168 1 154	d是小学的第一48	299 1 1 1	0 11 115 106 8 5	255, 255, 0, 0	192 168 1 1	92011	92011			
	Send	egsipeent): ad	02.411		25	DCIT+	102 100 1 101	2#281	299.1.1.0	0 11 2/5 00 110 21	255 255 0.0	102 1/02 1 1	14032	20012			
	Send	17:11:06>>>>send	Ito C Search		30	DOTTA	100 168 1 100	2-222	290.1.1.1	0.11.046.09.110.01	265 255 0.0	102 102 1 1	W4092	74000			
	Send	egupment'); ad	527 411		31	DOTTA	100 100 1 100	0-080	200.1.1.1	0. 11. 246.00. 110. 22	255 255 0.0	100 100 1 1	14092	94000			
	Send	17:11:06>>>rend	Ito (Search		36	DOTTA	192-100, 1, 133	0.0004	200, 1, 1, 1	0.11.240.85.118.23	200.200.0.0	100,100,1,1	TRUGE	THOOD I			
	(First)	equipment'); ed	ldress		40	DOILT	102.100.1.134	C三由約-1000	230.1.1.1	0.11.240.95.116.24	265.255.0.0	102.108.1.1	94032	74002			
	2494				- 14 h												

Remark: do not set same priority for multiple nodes.

• Tips to filter double IP

Sometimes there will be double or triple IP for each node, as following

88	DSIII(RX)	192.168.168.111	kvn11	239.1.1.0	0.11.132.6.12.80	255.255.0.0	192.168.1.1		
89	DSIII (RX)	192.168.168.111	kvn11	239.1.1.0	0.11.132.6.12.80	255.255.0.0	192.168.1.1		
90	DSIII(RX)	192.168.168.112	kvm12	239.1.1.1	0.11.37.6.12.80	255.255.0.0	192.168.1.1		
91	DSIII(RX)	192.168.168.112	kvn12	239.1.1.1	0.11.37.6.12.80	255.255.0.0	192.168.1.1		
92	DSIII(RX)	192.168.168.112	kvn12	239.1.1.1	0.11.37.6.12.80	255.255.0.0	192.168.1.1		
93	DSIII (RM)	192.168.168.113	kvn13	239.1.1.1	0.11.230.6.12.80	255.255.0.0	192.168.1.1		
94	DSIII(RX)	192, 168, 168, 113	kvn13	239.1.1.1	0.11.230.6.12.80	255.255.0.0	192.168.1.1		
95	DSIII(RX)	192.168.168.113	kvn13	239.1.1.1	0.11.230.6.12.80	255.255.0.0	192.168.1.1		
96	DSIII(RX)	192. 168. 168. 114	kvn14	239.1.1.1	0.11.174.6.12.80	255.255.0.0	192.168.1.1		
97	DSIII(RX)	192.168.168.114	kvn14	239.1.1.1	0.11.174.6.12.80	255.255.0.0	192.168.1.1		
98	DSIII(RX)	192. 168. 168. 114	kvn14	239.1.1.1	0.11.174.6.12.80	255.255.0.0	192.168.1.1		
	/								

Click "Setup" to enter setting parameters windows, then check "filter" and click Yes. Then refresh all by clicking Search.





AVCIT.

• **Tips to configure encoder node** Double click node's No. to show its basic information.

Please configure bitrate for every encoder node as below:

DSIII information-192.168.1.93	×
Input Parameter Authentication KVM OSD OTHER	
Audio	
Digital	~
Video	
Forced Input VGA Filter Black Edge	efresh Solidification
HDMI loop o Forced outpu AVI RG	6B444 ~
Acquisition YCBCR420 Use factory	v setting,
unless issu	e occur
Virtuai input	
RTSP Analog Input Ride Optimization	
4K H265 TCF	
2K H264 TCF	
D1 H264 TCF	
Coding Parameter Se	etting Advice
Compatible DSII	Within 40
4K Encoding PASS V 30 V Bit Rate	18
	✓ 10-20
Master Coding FHD V 30 OBit Rate	10
High bit rate Median rate	O Low bit rate
Sub CIF V 30 V O Bit Rate	3
O High bit rate O Median rate	O Low bit rate
RTSP Multicast	
4K stream Main stream Sub stream	

• Tips to revise node's output resolution, bit rate and other setting

Double click node's No. to show its basic information. **Please do not** revise any parameter if the system works in good performance.

DSIII information-192.168.1.17	Х
Output Darameter Authentication CCC MAAL OTHER	
Output Parameter Autoentication CSC. KVM OTHER	
Audio RTSP VDEC	
volume TCP Stream Increa	se buffer
Video output	
Output Homology: HDMI+VGA V Resolving power 1080P @60	~ ←
Forced output Loop out Audic RGB 1080P @24	^
1080F @25	
synct Mode 2 Advanced mode 150 ms 1080P @30	
1080P @60	
	_
Construction VCBCP420	
640 x 480 @60	
Nides subsub timing 800 x 600 @60	
video output timing 1024 x 768 @60	
Horizontal 88 Vertical fr 1280 x 800 @60	
1280 x 1024 @60	
1440 × 900 @60	
Horizontal posterior edge 192 Vertical b 1600 x 1200 @60	
Horizontal Synchronization 44 Vertical S 1680 x 1050 @60	
1920 x 1200 @60	
720 x 2160 @60 refresh fr 1920 x 2160 @30	
2560 x 1440 @30	
2560 x 1440 @60	
PAL NTSC Passageway Close 2560 x 1600 @60	
3840 x 1080 @30	
CVBS2 3840 x 1080 @60	
3840 x 1440 @30	
PAL ONTSC Passageway 1 3840 x 1440 @60 3840 x 2160 @25	
3840 x 2160 @23	
Phase 3840 x 2160 @50	
Upper side 0 Undersid 3840 x 2160 @60	
custom	~
left 0 Right 0	

Configure decoder node's output resolution as above, according to monitor/screen's resolution

Feature Zone introduction:

DSIII information-192.168.1.12				×
Output Parameter Authentication CSC	KVM	OTHER		
Audio		RTSP	VDEC	A
volume		TCP	Stream Increa	ise buffer
Video output				B
Output Homology: HDMI+VGA	Res	solving power	1080P @60	~
Forced output Loop out	🗹 Au	udic ORGB	444 • YCBCR444	C
Synct Mode 2 Advanced	mode	100 ms	synchronization 0	us
HDMI Inversion screen optimiz	atio	HDMI allo	cator optimization	
format YCBCR420	~	Long free	zing 🗌 Dark sid	e
Video output timing				D
Horizontal	88	Vertical fr	ont	4
Horizontal Active	3840	Vertical m	oving	1080
Horizontal posterior edge	192	Vertical ba	ack edge	41
Horizontal Synchronization	44	Vertical S	nchronization Width	5
3840 x 1080 @60		refresh fre	equency	60
CVBS1				E
PAL NTSC Passagev	way Cl	lose		~
CVBS2				
PAL NTSC Passagev	way 1			~
Phase				
Upper side 0		Underside	e 0	
left 0		Right	0	

A —— Volume is used to adjust audio input, no need to set other parts.

B ——Configure output resolution

Output mode should be "Homology: HDMI+VGA", Please make sure

R.P. is same with your display/monitor's resolution.

 $\mathrm{C} - - \mathrm{If}$ your display can receive DVI signal only, please tick "For Output to

DVI", for every node connecting with video wall display. (Otherwise, the display will display with pink or yellow color normally)

Synchronization Time (advance mode) : normally set as 100-150 ms

(for video wall screen only, not for workspace's monitor)

- $\mathsf{D}\operatorname{--}\mathsf{Configure}$ for the monitor/display with irregular resolution
- E --Factory setting, no need to revise anything normally.

• Setting HID Mode for DSIII KVM Encoder Node

Remark: no need set if two mouse cursor are overlapped.

Normally, "Windows Multi-Screen" is first option, otherwise, please try other mode until two mouse cursor are overlapped. Please plug out the Keyboard & Mouse connected with Workspace's node and plug in again, after changing mode.

Shortcut	key				Touch event				
Get:	Ctrl 🗸 🛨 Dblclick				Forced to Mouse Event				
Push:	sh: Ctrl · + Dblclick			\sim	Curing resolution				
Division	ivision: Ctrl 🛛 + Dblclick		\sim	0 x 0 0x0					
HID mod Absolut Relative Relative Relative Absolut	de e + Rel And Pan + Mult e uni	lative - Iroid si shi mu ti-touc iversal	Multi-touch V ngle screen [throu lti-screen, Window h Windows mu single screen bla Screens	Vindows mult ugh] ws multi-scre Iti-screen	ti-screen een		~		
HD mod Absolut Relative Relative Absolut Absolut Absolut Absolut Absolut	de = + Rel = - And = - Pan = - Min e Kin e Kin e Kin e Kin e Kin e Kin	lative - Iroid si shi mu ti-touc iversal in Dou in Thre in Fou in Five in Fou	Multi-touch V ngle screen [throi lti-screen, Window h Windows mu single screen ble Screens e screens f Screens Screens f Screens Screens f	Vindows mult ugh] ws multi-scre lti-screen	ti-screen een		~		

CONFIGURATION

• Tips to configure USB Matrix system

Skip this if you didn't purchase USB Matrix System

DSIII inform	ation-1	92.	168	3.1.12					×
Output Parar	neter A	uthe	ntic	ation CSC KVM OTHER					
Shortcut	key				Т	ouch e	ever	nt 🔶	
Get:	Ctrl	\sim	+	Dblclick ~	[For	ced	to Mo	use Event
Push:	Shift	~	+	Dblclick ~	C	uring	reso	lution	
Division:	Alt	~	+	Dblclick ~		0	x	0	0x0
Clinkage U TXID 0	And	roid R)	sin	gle screen [through] 11 IP 192 . 168	. 1	. 10	8	POF	×T 8888
Journal IP 0	. 0	•	0	. 0 PORT 23456					
Timed re Open 255 .	start n Not 255 .	e: N 255	o ti . 2	cks are allowed unless	Min	ute			

 $\mathsf{TXID}\xspace$ — Port ID df USB Matirx, connecting with CPU-USB Node (configure

for the node connecting with relative PC only)

RXID —— Port ID df USB Matirx, connecting with CON-USB Node (configure for the node of workspace required to uplink PC's CPU-USB Node) IP --- USB Matrix's IP address, factory setting is 192.168.1.234

PORT -- 8888

• Tips to remark input source

The remark/description of input source, so that operator can recognize the source immediately.

Para parameter	Authentication	CSC	KVM	OSD						
Main stream	DATE] Writter	n words	Sub bit	strean		DATE	M 🗐	Vritter	n words
Size: 32 Tran: 0 Written words	Color: Back:			POS: x	64	, y (54 ,	w 320	, h	320
										*

ID -- If selecting it, the remark will show the name of Node's ID

DATE -- If selecting it, the remark will show the date.

Written Words —— If selecting, the remark will show what you wrote below.

POS —— adjust position of remark.

END

Thank you for choosing AVCIT, if any question, please contact concerning sales or email to support@avcit.com