

IP Based KVM Video Collaboration System

AVCîT°

As a pioneer of IP Based KVM Technologies, AVCIT provides innovative all-in-one Command & Control Center solutions, including KVM, video wall control, smart workspace, visualization and environment control.

Established in 2006, AVCIT Electronics is specialized in R&D and manufacturing IP Based KVM Video Collaboration System, 2K/4K Modular Matrix and Central Controller etc.

With 22 offices in China and sales & service centers around the world, AVCiT has retained its No.1 market share the of the Command Control Center in China and gained customer satisfaction and brand reputation in the fields of Public Security, Finance, Industry(Oil & Gas), Telecom, Transportation, Military and Aviation around the world.











THE SHANGHAI COOPERATION ORGANIZATION SUMMIT 2018

THE 1ST DIGITAL CHINA SUMMIT 2018

BRICS SUMMIT 2017

G20 HANGZHOU SUMMIT 2016

SMART CITY OPERATION CENTER IN XIONGAN CITY

TRADING FLOOR OF RUSSIA SBERBANK







Research & Development

Own core competitiveness by focusing on system development for 12 year

There are professional R&D teams specializing in the field of embedded MCU, FPGA, Linux, iOS, Android etc. Most of them have more than 10 years of experience in developing display control technology. It made AVCiT a leading brand in China to focus on Command Control Center solutions with core technology.

R&D Management

On the basis of heritage and practice, a R&D management system, which is oriented to IPD process (integrated product development) was established, and were continuously modified and optimized.

Patent and Certificate

AVCIT were always oriented to technology innovation, plenty of patents and certificates are applied, such as ISO, CCC, CE, RoHS, FCC, KC etc. We are also honor as Canton High-Tech Enterprises.

Manufacture

More than 42 patents & Certificates, Full quality control

AVCiT own 2 workshops, one for production with 4 SMT lines, the other for assembling and testing.

There are full automatic machine from famous brand in SMT workshop, where surface mounting, plug-in welding and AOI testing process are done.

Assembling workshop is for general assembling, testing, aging, re-testing, and packing, shipping or stocking.

Service

High quality pre-sale and after-sale service, more than 10,000 references

Toll free call and field technical support for international market. Clients' inquiry will be responsed 7x24 hours.

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ALL-IN-ONE

SOLUTIONS





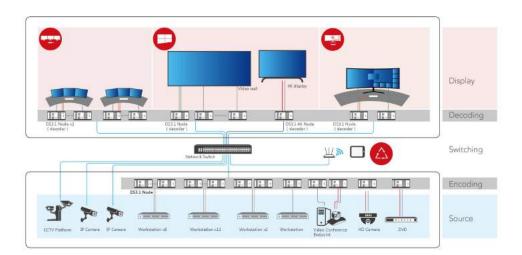




LCD/LED/DLP KVM Me Wall Control

Smart Workspace

Environment Control



PR USB RS232 DVS OP CAT HDMS

EXCELLENT CONNECTIVITY AND COLLABORATION

Support LED/LCD/DLP video wall control

Storing computers in server room

. Smart mouse - cross monitor switching

Compatible with 4k & 2k resolution
 Compatible with third party system

Permissions configuration
 Temporary permissions
 Follow me

Multi-location video collaboration

Intuitive & visualized
 Excellent collaboration
 User-friendly OSD

KVM multicasting

Smart workspace
 USB matrix feature

SERVER ROOM (11) System redundancy Dynamic feedback • User logs

MEETING ROOM (##)

BOARD ROOM 🕒

Multi-location video collaboration

One touch

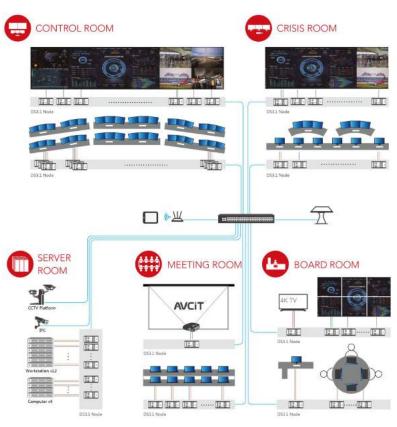
Video conference
 Multicasting

Interactive experience
 Scenario predefined & recall

Environment control

HDME







CONTROL ROOM

ALL-IN-ONE COMMAND & CONTROL CENTER SOLUTIONS



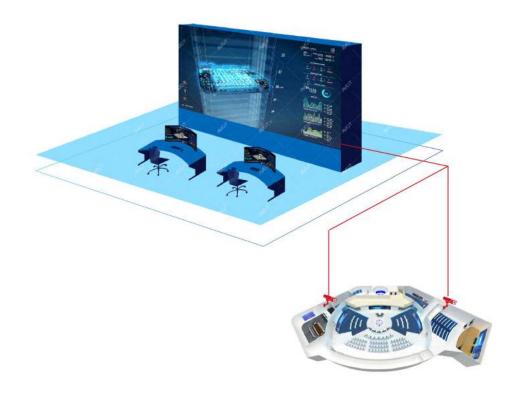


Unlimited input & output channels, multiple layout preset for fast recall, high performance of image sync without video wall processor.



INTUITIVE & VISUALIZED

Realtime content preview, whatever local or remote sources, ensure the correct content can be always switched to the video wall intuitively.



EXCELLENT COLLABORATION

Workspace operator can access computers/sources seamlessly, and share/cast them to other operator or videowall by hotkey. Once break news happened, it can be reported and casted to other relevant operator and video wall immediately.

USER-FRIENDLY OSD

Graphic OSD, get started quickly after simple trainning.

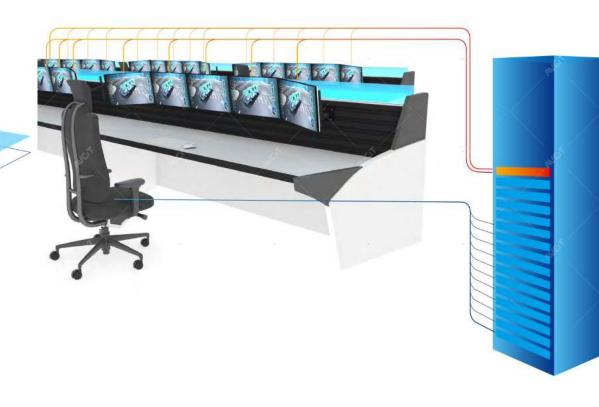


STORING COMPUTERS IN SERVER ROOM

Computers/sources can be separated from workspace and stored in the server room, where they are safe, air conditioned, so that heat and noise emissions in the office can be eliminated.

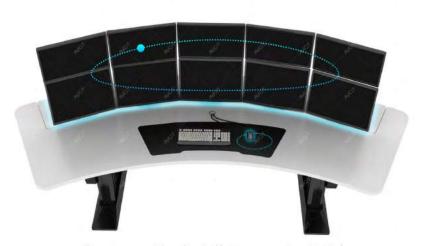
KVM MULTICASTING

Each computer/source can be distributed simultaneously up to 120 monitors, operator can control multiple computers/sources remotely over any workspace.



SMART MOUSE

CROSS MONITOR SWITCHING



Operator can switch and control between computers intuitively just by moving mouse cursor from one monitor to another.

SMART WORKSPACE

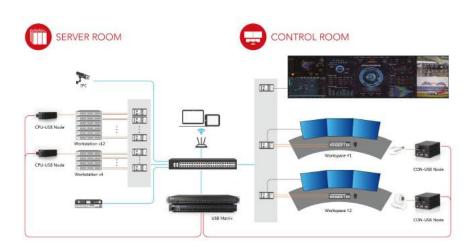
Access up to eight computers simultaneously on one monitor with multi-view. Any picture can be resized, re-positioned and overlapped on one monitor or cross two monitors. Up to six layouts can be recalled intuitively.



USB MATRIX FEATURE

Flash disk, web camera and USB headset at workspace can be read by remote computer over fiber, authorized operator only.





COMPATIBLE WITH 4K & 2K RESOLUTION







CRISIS ROOM

ALL-IN-ONE COMMAND & CONTROL CENTER SOLUTIONS



PERMISSIONS CONFIGURATION

User are created by administrator on OSD, who has full permissions to control all the computers/sources, Each user is configured with a type of access permissions to each computer.

User permissions can be duplicated for creating user group.

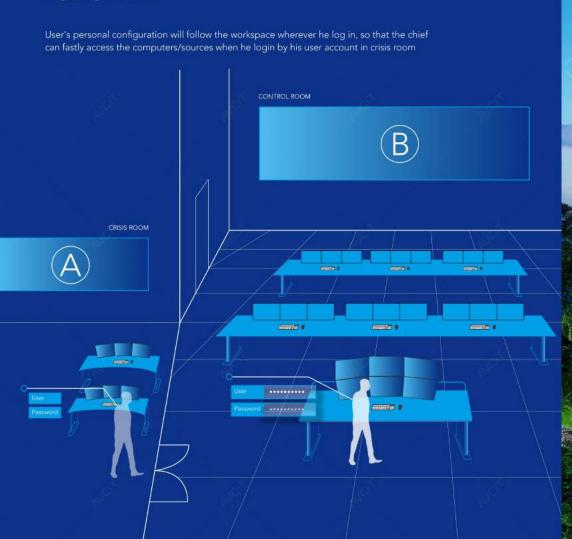


TEMPORARY PERMISSIONS

Operator can share his user permissions to others by creating a temporary password, when he need to leave his workspace.



FOLLOW ME



MULTI-LOCATION VIDEO COLLABORATION

The computers/sources can be shared among multiple locations (command center, meeting room, board room etc.) Therefore, the chief can watch any dynamic information for fast decision-making.

LOCATION 1

LOCATION 2



MEETING ROOM

ALL-IN-ONE COMMAND & CONTROL CENTER SOLUTIONS



ONE TOUCH

Presets recalling, scenarios swtiching, evironment controlling and task multicasting etc., all these operations are intuitively done by one touch. Hence, the chairman can control the meeting efficiently.



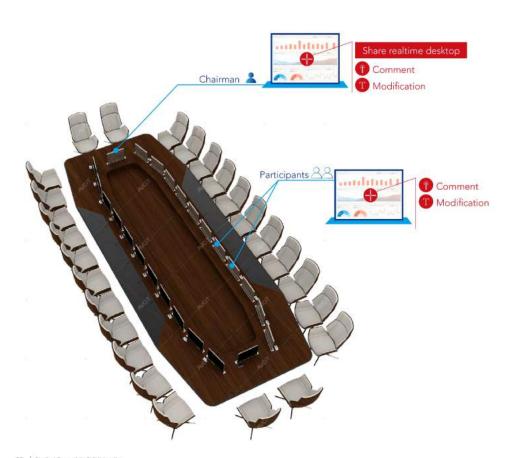
VIDEO CONFERENCE

Highly integrated with third party video conference system, Chairman can share any realtime desktop to remote participants in multiple locations for more efficient collaboration.



MULTICASTING

Chairman can share his realtime desktop to other participants intuitively. Comment and modification can be made by participants easily.





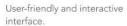


ALL-IN-ONE COMMAND & CONTROL CENTER SOLUTIONS

36 Excellent Connectivity & Collaboration 37 (Connectivity & Collaboration 38 (Collaboration 38 (Colla



INTERACTIVE EXPERIENCE

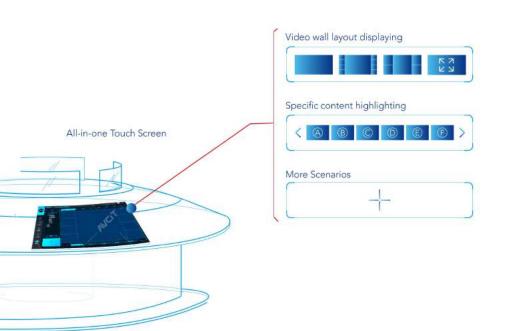


Free resize, re-position and overlap pictures by drag/drop control.

The chairman can highlight a specific content window by zooming in.

SCENARIO PREDEFINED & RECALL

Multiple scenarios can be preset and recalled seamlessly, such as video wall layout displaying, specific content highlighting, video distributing etc.



ENVIRONMENT CONTROL















Support room device and environment control via RS232/485, IO, IR and Relay, such as display, projector, DVD, switcher, lighting system and alarm system etc.



SERVER ROOM

ALL-IN-ONE COMMAND & CONTROL CENTER SOLUTIONS



SYSTEM REDUNDANCY

There are both ethernet and fiber port on each node, so that two independent and redundant system (ethernet + fiber) can be configured and available for 24/7 continuous operation. CAT Fiber 44 | Excellent Connectivity & Collaboration

DYNAMIC FEEDBACK

Status feedback of room device and environment control will be displayed on control tablet dynamically, such as power ON/OFF, temperature, humidity etc.





PRODUCT OVERVIEW



CODEC NODE OVERVIEW

- 2K SERIES

			Interface Port				
Item	DSIII			DSII			
Model#	DSIII-HDMI-IN	DSIII-DVI-IN	DSIII-DH-OUT	DSII-HDMI-IN	DSII-DVI-IN	DSII-DH-OUT	
Video Input	HDMI	DVI-D		HDMI	DVI-D	NA	
Video Output	HDMI loop		DVI + HDMI	HDMI	NA	HDMI + DVI + VGA	
USB	1 x USB		2 x USB	NONE			
RS232	1			1			
RS485	1			1			
IR & I/O	Totally 3			Totally 3			
Audio	1 in +1 out		1 out	3.5mm jack 1 in +1 out			
Ethernet	RJ45			RJ45			
Fiber	SFP Duplex LC Connectors(Optional)			SFP Duplex LC Connectors(Optional)			
Power Adapter	5V3A (Optional)			5V3A (Optional)			



DSII-HDMI-IN





DSII-DH-OUT



DSIII-DH-OUT

CODEC NODE OVERVIEW

- 4K SERIES

Interface Port									
Model#	DSIII-IN-4K	DSIII-IN-4Kd	DSIII-OUT- 4K(a)	DSII-IN-4K	DSII-IN-4Kd	DSII-OUT-4K			
Video Input	2 x HDMI	1 x HDMI, 1 x DisplayPort	NONE	2 x HDMI	1 x HDMI, 1 x DisplayPort	NONE			
Video Output	NONE	1 x HDMI loop out	1 x HDMI, 1 x DVI	NONE	1 x HDMI loop out	HDMI+DVI+ VGA			
USB	1 x USB	1 x USB	2 x USB	NONE	NONE	NONE			
RS232	1	1	1	1	1	1			
RS485	1	1	NONE	1	1	1			
IR & I/O	Totally 3	Totally 3	Totally 1	Totally 3	Totally 3	3 x IR, 3 x I/O			
Audio in/out	1 in +1 out	1 in +1 out	3.5mm jack	1 in +1 out	1 in +1 out	1 in +1 out			
Ethernet	RJ45			RJ45					
SFP(Optional)	SFP Duplex LC Connectors			SFP Duplex LC Connectors					
Redundant Power	Optional			Optional					













Public Security

We help police working smarter and more efficiently from call to case closure, and exceed all of these growing expectations. Our IP Based solution provides police with a unified, intuitive experience and the intelligent capabilities they need to perform at their best in their mission to serve and protect.

Transportation

Industry(Oil&Gas) AVCiT's all-in-one control room solutions support Oil & Gas producers with the innovative and intelligent tool to monitor, adapt and control the entire operation from drilling stage till distribution.

AVCIT IP Based KVM Solution has strong technology expertise in the field land transportation. It is compatible with variety of cutting-edge technologies that include Geographic Information Systems (GIS), Features-Based CAD, Artificial Intelligence (AI), Document Management Systems, Workflow and Webbased applications.

Energy/Utilities

AVCIT offers a total visualization solution which allows dynamic content showing process overview (grids, pipes, valves), live video (CCTV cameras, vision cameras, weather channels), expertise systems, simulation and other critical information on one large overview display.

Defense

We has more than 12 years of experience in developing solutions that support defense, deploying systems specially designed for government agencies. Our KVM

Visualized Solution for defense are developed on military class architecture.





Aviation

AVCIT delivers professional Air Traffic Control solution through proven methodology and maintenance capabilities. We integrate leading-edge technologies such as Aeronautical Message Handling System (AMHS) and ATC systems, and provide 24x7 maintenance services. We help ensure an airport's ATC system meets growing airspace demand.

AVCIT has been a dedicated partner to leading global and regional financial institutions, including banks, insurance providers and securities companies, with all-in-one control room solution and out-of-band KVM solution.

Finance

Telecom

With rapid development of telecom services, the maintenance work becomes much more difficult when telecom operators are dealing with multi-technology & multi-vendor network equipments. AVCIT offers all-in-one operation center solution for operators to achieve standard processing flows, increase operation efficiency, reduce operation cost and improve customer satisfaction.

Smart City

AVCiT's IP Based solutions are designed for the growing importance of information and communication technologies (ICTs) in smart city operation center. Our comprehensive smart city solutions ranges from traffic management, energy efficiency to e-governance and intelligent lighting systems etc.

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www.avcit.com

AVCIT Electronics



Headquarter: Building 10, No.38, Daganwei Road, Haizhu District, Guangzhou China

Email: info@avcit.com Tel: +86 20 8930 1789

Fax: +86 20 8930 1789 ext 818

Web: www.avcit.com