

PRO 

TOGETHER  
BEYOND  
THE  
SUMMIT



TOGETHER BEYOND THE SUMMIT

## SUSTAINABLE DEVELOPMENTAL PLAN

ACT POWER is committed to being one of the leading technology service providers around the world. We are constantly looking for opportunities to create value for customers and create mutual prosperity and mutual benefits.

## SOCIAL RESPONSIBILITY & ENVIRONMENTAL POLICY

We are committed to maintaining ecological balance, promoting corporate social responsibility, promoting green production, actively participating in charity activities, paying attention to vulnerable groups, promoting the physical and mental health and safety of employees, and creating an open business stage for talents to fully develop.

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WE MAKE PRODUCTS  
THAT MEET YOUR NEEDS



# WHAT IS ProAV

ProAV is commonly used in various industries such as commercial, education, government, entertainment, etc., providing high-quality and reliable audio and video equipment and services.

## PROFESSIONAL ProAV EQUIPMENT

ProAV systems require professional audio and video equipment, including sound systems, displays, projectors, cameras, encoders, decoders etc. We mainly provide professional encoders, decoders and switches with various functions to meet these requirements.

### INPUT SOURCES

#### TRANSMITTER

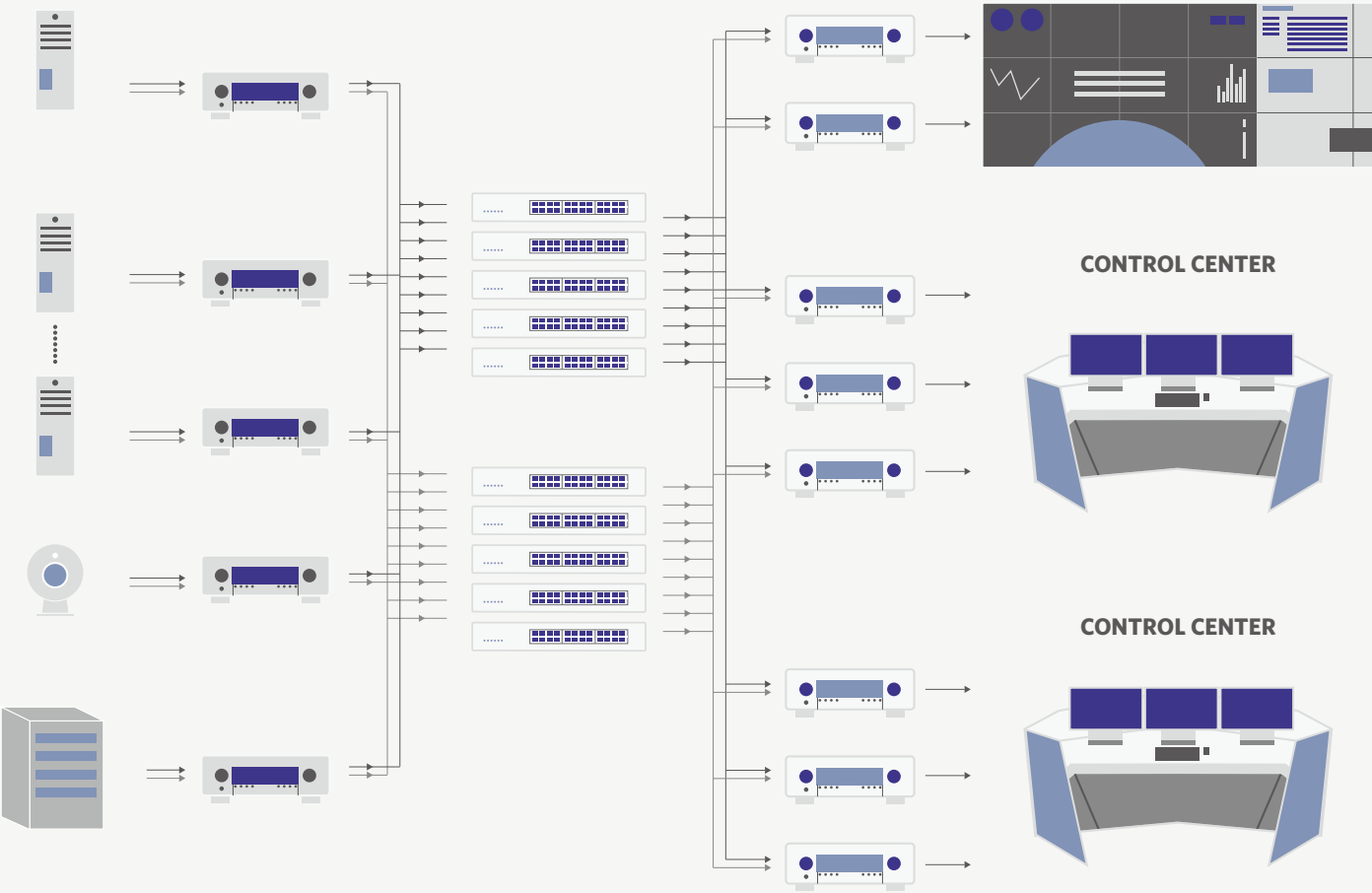
#### MANAGEMENT SWITCH

#### RECEIVER

#### DISPLAY SETUP

#### CONTROL CENTER

#### CONTROL CENTER



# ProAV

In addition to industries such as commercial, education, government, and entertainment, ProAV has many other applications. For example, it can be applied in the medical field for capturing, storing, and playing medical images and videos; in the transportation field for monitoring, recognizing, and recording traffic flow, vehicle trajectories, and other information; and in the security field for video surveillance, intrusion detection, access control systems, etc. Furthermore, ProAV can also be used in cultural heritage preservation, virtual reality, and other fields to provide applicable audio and video solutions for various professional needs.



### SERVER ROOM & CONTROL ROOM





### MORE THAN ONE SCREEN





### SPLIT ONE SCREEN FOR HOSTS




# 1



## ENCODER / DECODER

Encoders are widely used in the fields of audio and video transmission, digital communication, digital storage, etc. They can improve the transmission and storage efficiency of digital signals, reduce transmission and storage costs, and also ensure the quality and reliability of digital signals.

# 2



## MULTIVIEWER

Viewing multiple data sources or video sources through MultiViewer can increase efficiency and productivity. For example, an editor can use multiple windows to view multiple video sources, allowing for better decision-making during the video editing process. Similarly, a data analyst can use multiple windows to view multiple data sources, enabling better understanding of the data and development of better strategies.

# 3

## HDMS



Users can easily construct multi-to-multi environments, execute multi-functional matrix functions, configure video walls, KVM applications, set up groups, scenario mode settings, monitor screens, and more. This is used in applications such as high-definition real-time transmission and interactive integrated control functions in broadcasting systems, exhibition centers, data center extensions, and other scenarios.



# 1 ENCODER / DECODER

PAV-T1001/PAV-T1002  
PAV-T4301/PAV-T4302



PAV-R1001/PAV-R1002  
PAV-R4301/PAV-R4302



### SPECIFICATION DESCRIPTION

- Resolution 3840x2160P30 or 1920x1080 or 1920x1200
- 1 Frame Latency
- Support Audio Transfer, IR, USB 2.0, HID, RS232, GPIO, etc.
- Support KVM control, grouping and authorization
- Support Cross-platform operation and mouse roaming
- Support Hot-swap
- Long distance signal transfer–CAT6, 180m; fiber, 100km.

PAV-T4602/PAV-T4603



PAV-R4602/PAV-R4603



### SPECIFICATION DESCRIPTION

- Up to 4K60-444 Display Resolution
- USB Pass-thru
- Support KVM over IP
- 1 frame latency
- Gigabit Network
- 4 : 4 : 4
- POE Optional
- Support Tx Grouping and Authorization
- MJPEG Preview
- Support HDCP 2.2

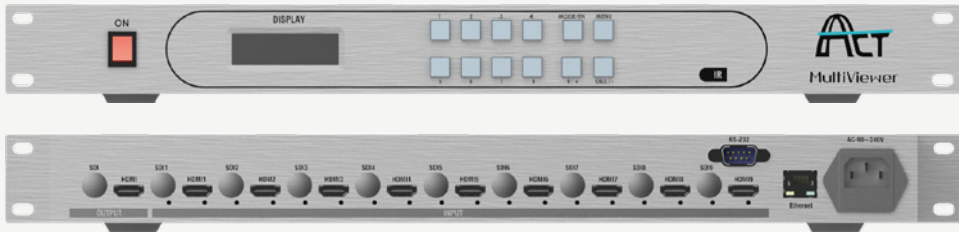
## MODEL COMPARISON

### ENCODER / DECODER

MODEL	FHD	4K30	4K60
MODEL	PAV-T1001 / PAV-T1002 PAV-R1001 / PAV-R1002	PAV-T4301 / PAV-T4302 PAV-R4301 / PAV-R4302	PAV-T4602 / PAV-T4603 PAV-R4602 / PAV-R4603
RESOLUTION	1920 x 1080	3840 x 2160 P30	3840 x 2160 P60
HDMI	1.4a input	2.0a input	2.0b input
HDCP	1.4 2.2 (Optional)	1.4 2.2 (Optional)	2.2 (Compatible 1.4)
MOUSE ROAMING	Support		
IR FREQUENCY	30K to 50K		
RS232 SPEED RATE	300 to 115200 bps		
GPIO OUT	2 (0-3.3V)		
GPIO IN	1 (0-3.3V)		
NETWORK	1G / RJ45 Suggest CAT5E, CAT6, CAT7 cable	1G / RJ45 Suggest CAT5E, CAT6, CAT7 cable (POE Optional)	1G / RJ45 Suggest CAT5E, CAT6, CAT7 cable (POE Optional)
FIBER	Optional	Optional	Optional
POWER	DC 5-19V / 8W Without USB & Module Power Supply		
MODULE POWER OUT	5V / 500mA		
STORAGE TEMPERATURE	-30 to 70°C		
WORKING TEMPERATURE	-10 to 60°C		
SIZE	220x102x30 mm	220x102x30 mm	225x118x31 mm
WEIGHT	540g (Standard)	540g (Standard)	580g (Standard)

# 2MULTIVIEWER

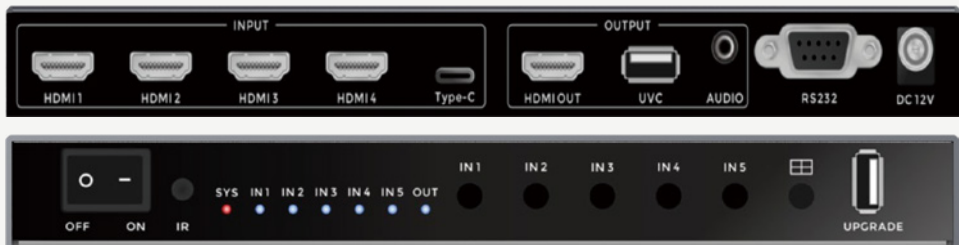
PAV-V9301



SPECIFICATION DESCRIPTION

- 9 HDMI Inputs to HDMI Output
  - Control through RS-232 or RJ45
  - Customized Display mode. E.g., Picture-in-picture, Independent Display, Windows overlap or stacking, Roaming, Free Size, Free Positioning
  - Free setting for 1, 2, 3, 4, 6, 8, 9 Display Segmentation
  - Seamless Switch
  - Independent Display Button Switch
- Maximum 16 modes save in devices
  - Support Max. 1920x1080 Input, Compatible 800x600, 1024x768, 1280x1024, 480i/p, 576i/p, 720p, 1080i/p
  - Support Max. 3840x2160 Output. Customized Output 1920x1080, 1680x150, 1600x1200, 1400x900, 1366x768, 1280x1024, 1280x720, 1024x768
  - Support Transparency Adjustment
  - Support Customized Mode Looping

PAV-V5601



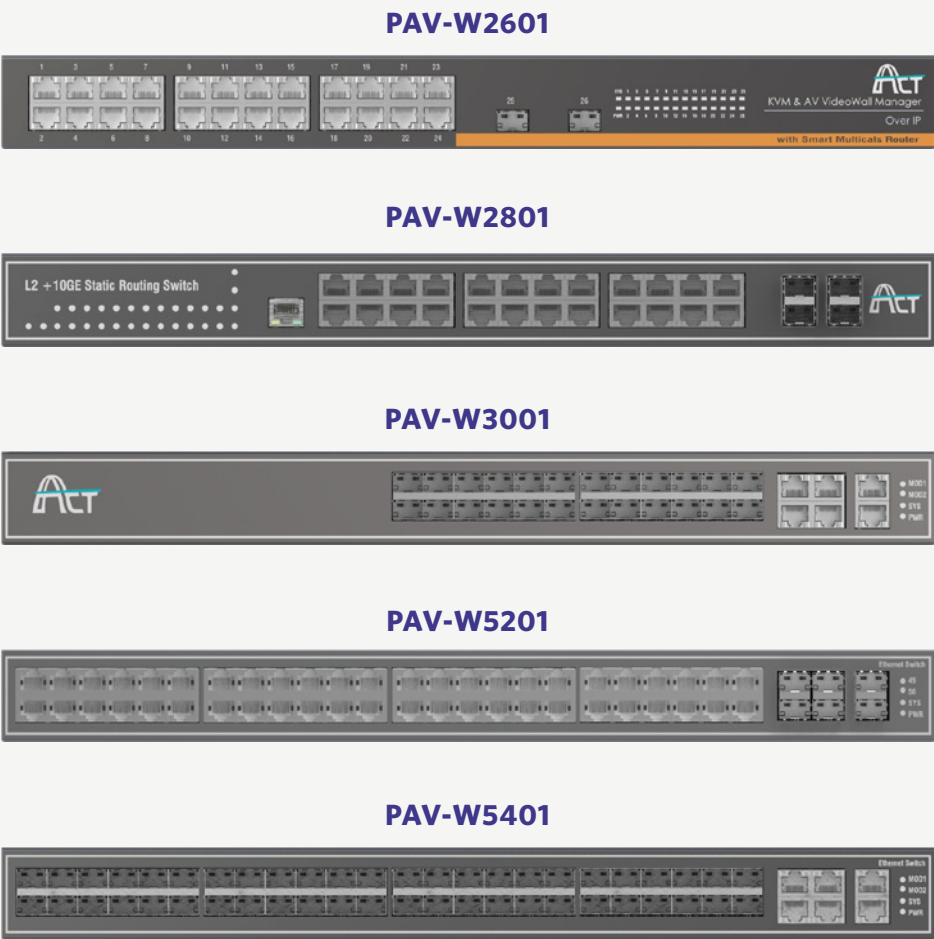
SPECIFICATION DESCRIPTION

- One display screen can simultaneously view four signals, greatly improving efficiency.
  - Point-to-point display, no loss of frame rate, supports 4K60 UHD input and output.
  - Supports control methods such as buttons/IR/RS232.
- Supports seamless and rapid switching between five signals.
  - Supports direct input of multiple signals into software conferencing and live broadcasting software.
  - The four screens can be defined to display in a customized way.

## MODEL COMPARISON

MULTIVIEWER

MODEL	PAV-V9301	PAV-V5601
INTERFACE	Input —— HDMI x9 (HDMI1.4a, DVI1.0) Output —— HDMI x1 Other I/O —— RS-232, RJ45 x1	Input —— HDMI x4 (HDMI2.0) Type-C x1 Output —— HDMI x1 UVC x1 Other I/O – RS-232, Analog Audio x1
BUTTONS	Panel Button x12 Power Button x1	Panel Button x6 Power Button x1
LED INDICATOR	HDMI input Button x9 Setting Button x3 HDMI Status x9 LED Display Panel x1	SYS x1 HDMI Status x4 Type-C Status x1 Output x1
RESOLUTION	Output Max. 3840 x 2160	3840 x 2160 P60
STORAGE TEMPERATURE	-40 to 70°C	-20 to 70°C
WORKING TEMPERATURE	-15 to 55°C	0 to 45°C
HUMIDITY	5 to 90% ( non-condensing )	10 to 90% ( non-condensing )
POWER	100V-240V AC	12V 1.5A DC
WEIGHT	3.1 kg	0.7 kg
DIMENSION	445 x 360 x 45 mm 482 x 360 x 45 mm (with Mounting)	240 x 124 x 28 mm



SPECIFICATION DESCRIPTION

- Support 4K transmission
  - Support KVM and Video Wall Setup
  - Support up to 32 control boxes, with total 1536 ports
  - Smart Transmission Control
- Support Telnet, http and RS-232 – 2nd Development
  - Low Latency(Mouse, Video, Audio)
  - Visual Lossless Compression
  - Mouse Roaming(Windows, Linux, Mac)

MODEL COMPARISON

HDMS

Model	PAV-W2601	PAV-W2801	PAV-W3001	PAV-W5201	PAV-W5401
RJ45(10/100/1000M)	24	24	/	48	/
SFP (100/1000M)	2	4	24	/	48
COMBO 1G PORT	X	4 (SFP)	6(CU)	4(SFP)	6(CU)
SFP+ 10G	n/a	2			
10G EXTENSION CARD (SFP+*2)	n/a	1			
CONSOLE(RS232)	RJ45	DB9			
BACKPLANE BANDWIDTH	56 Gbps	128 Gbps		176 Gbps	
REAL TIME PREVIEW	Yes				
UP-PORT TRANSFER CONTROL	Yes				
EXTENSION LIST	Yes				
LLDP (CONNECTED DEVICES)	Yes				
IGMP SNOOPING	Yes				
SNMP SETTING	Yes				
RSTP PORT STATUS	Yes				
TRANSFER VOLUME MONITOR AND ANALYSIS	Yes				
NETWORK CABLE DISTANCE DETECTION	Yes				
CLI (THIRD PART CONTROL)	RS232 / Telnet / HTTP				
MANAGE MODE					
DIMENSION (MM)	442x223x44	442x250x44	442x300x44		
WEIGHT	2.5 kg	3.9 kg	4.1 Kg	4.2 kg	4.0 kg
POWER	100-240 VAC 50~60 Hz				

# WHY SHOULD SITUATION ROOMS CHOOSE ProAV



?

ProAV is widely used in situation rooms to provide high-quality, reliable audio and video solutions for mission-critical operations.

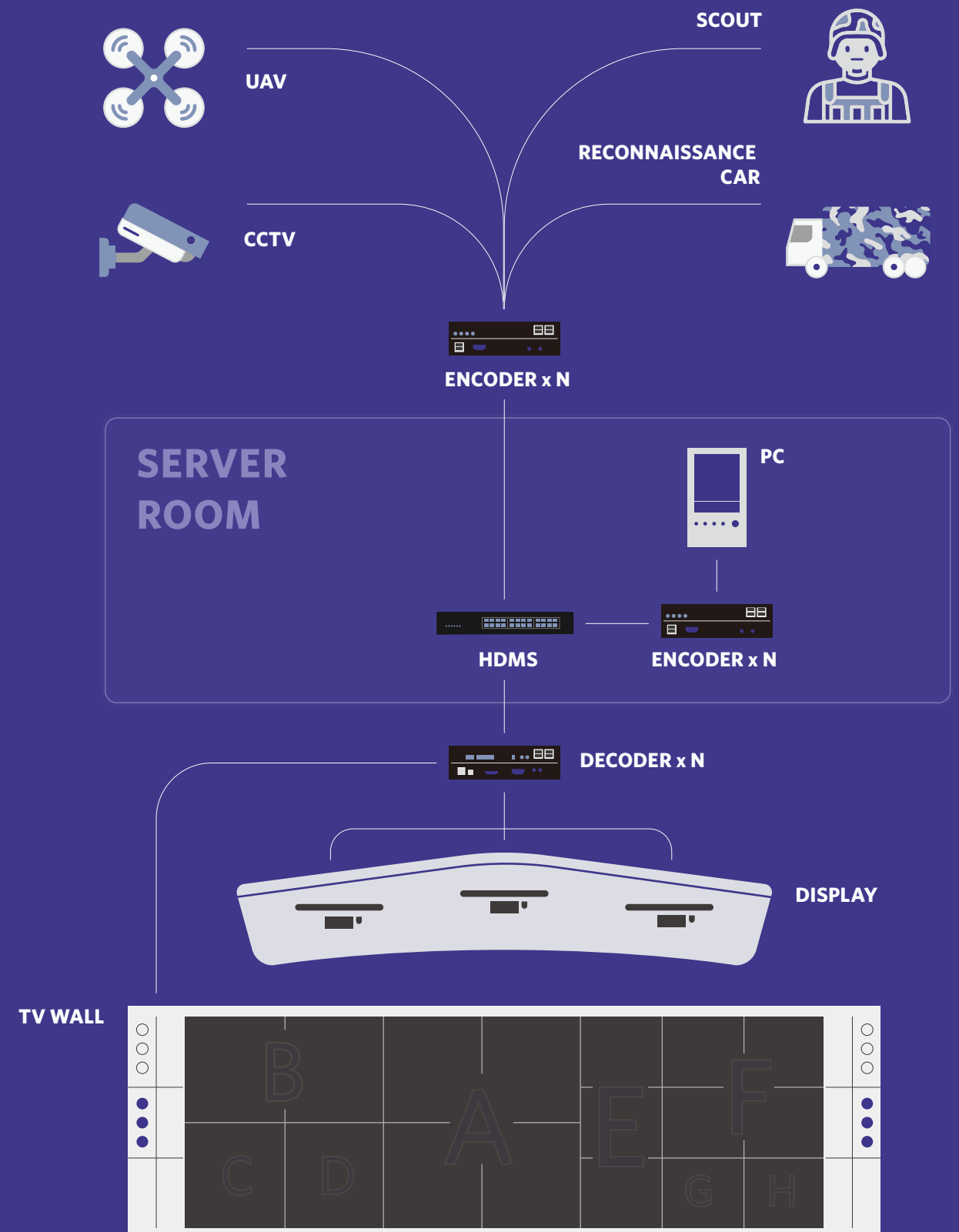
Situation rooms are often used by organizations such as government agencies, military organizations, and emergency response teams to monitor, analyze, and respond to events in real-time. These events could include natural disasters, terrorist attacks, or other emergency situations.

ProAV systems are essential in situation rooms because they allow personnel to receive and analyze critical information in real-time. These systems can include large-format displays, video walls, projectors, and other video solutions that allow multiple feeds to be displayed simultaneously.

In addition to providing high-quality audio and video solutions, ProAV systems can also integrate with other technologies used in situation rooms, such as computer networks, data analytics software, and other specialized tools. This integration allows personnel to access and analyze data from multiple sources, providing them with a comprehensive view of the situation at hand.

Overall, ProAV systems are essential for situation rooms because they provide high-quality, reliable solutions that enable personnel to effectively monitor, analyze, and respond to events in real-time.

## OUR SOLUTIONS SITUATION ROOMS





# HOW DOES ProAV INTEGRATE WITH CASINOS

?



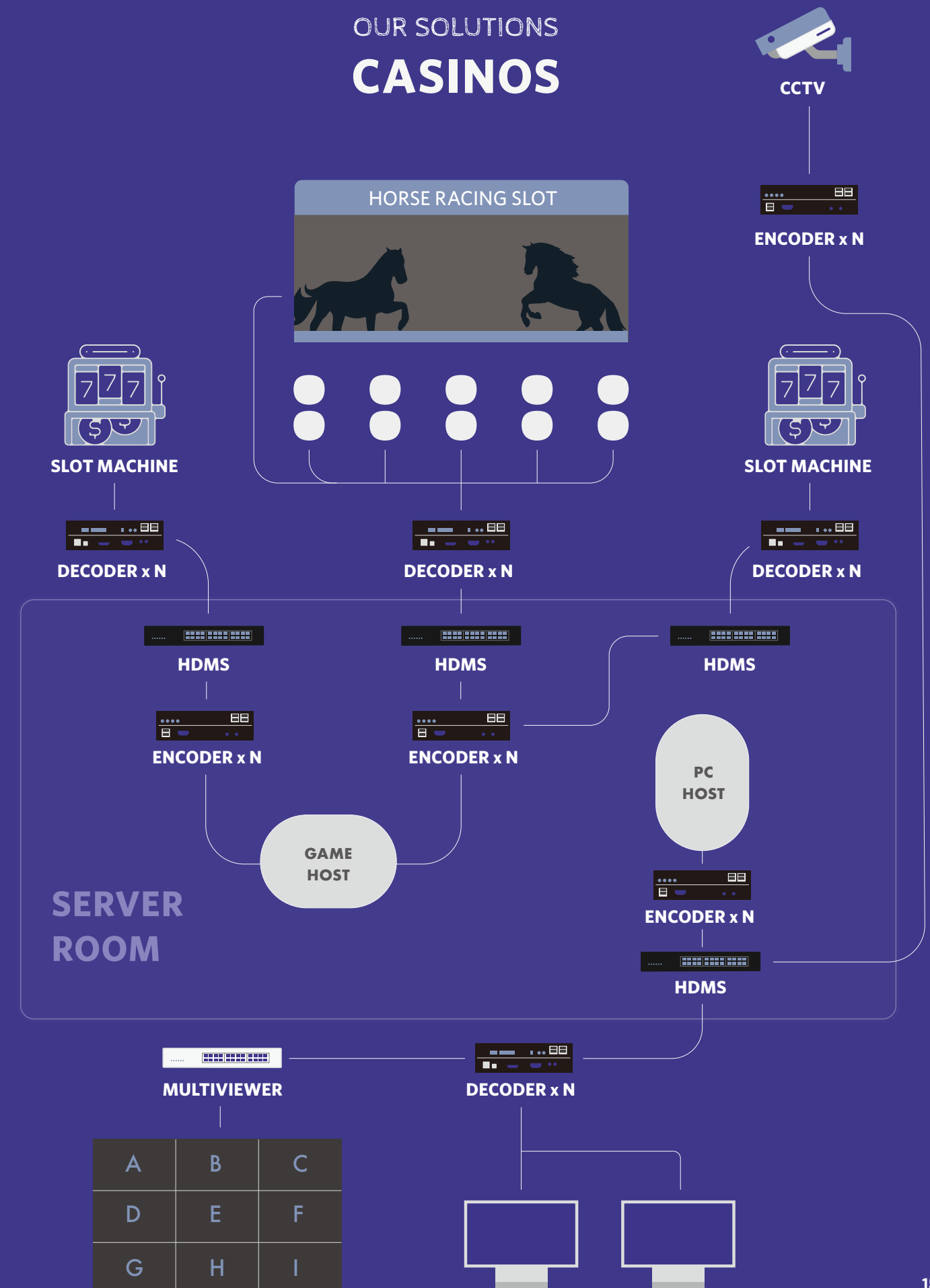
4K encoder and decoder technology is becoming increasingly popular in the casino industry, as it allows for high-quality video streaming and enhanced gaming experiences. The casino installed a large TV wall in their sportsbook area, which displayed multiple games and events simultaneously. The TV wall was made up of multiple high-definition screens, which were connected to a multi-viewer system.

The casino installed 4K encoders in their slot machines, which captured high-quality video footage of the slot machine's gameplay. The encoders converted the analog video signals into digital signals, which were then transmitted over an IP network to the casino's central server.

The 4K encoder and decoder technology also allowed the casino to display promotional content and advertisements on the high-definition displays. This provided additional revenue streams for the casino, while also promoting upcoming events and offers to their customers.

In conclusion, 4K encoder and decoder technology has proven to be an effective solution for casinos looking to enhance the gaming experience of their customers. Its ability to display promotional content and advertisements also provides additional revenue streams for casinos, making it a valuable asset in the gaming industry.

## OUR SOLUTIONS CASINOS



# ACTUAL CASE

CONFERENCE ROOM

01



ENCODERS X 6  
DECODERS X12  
HDMS X 1

FISHERIES AGENCY

02



ENCODERS X 1  
DECODERS X 9  
HDMS X 1

DEPARTMENT STORE

03



ENCODERS X 6  
DECODERS X 6

GOVERNMENT

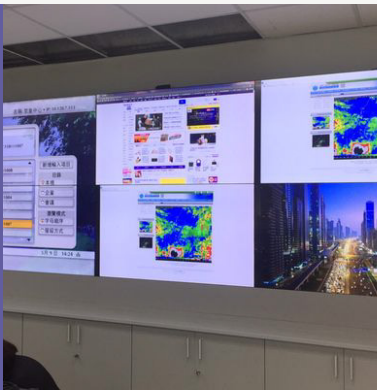
04



ENCODERS X 2  
DECODERS X 32  
HDMS X 1

CIVIL AVIATION ADMINISTRATION

05



ENCODERS X 4  
DECODERS X 8  
HDMS X 1

MONITORING ROOM

06



ENCODERS X 3  
DECODERS X 6  
HDMS X 1

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