

PRO 

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.

WHAT IS ProAV	/ 01
PROFESSIONAL ProAV EQUIPMENT	/ 01
ProAV	/ 02
ENCODER / DECODER	/ 03
MULTIVIEWER	/ 04
HDMS	/ 05
WHY SHOULD SITUATION ROOMS CHOOSE ProAV?	/ 06
HOW DOES ProAV INTEGRATE WITH CASINOS?	/ 07
ACTUAL CASE	/ 08

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.

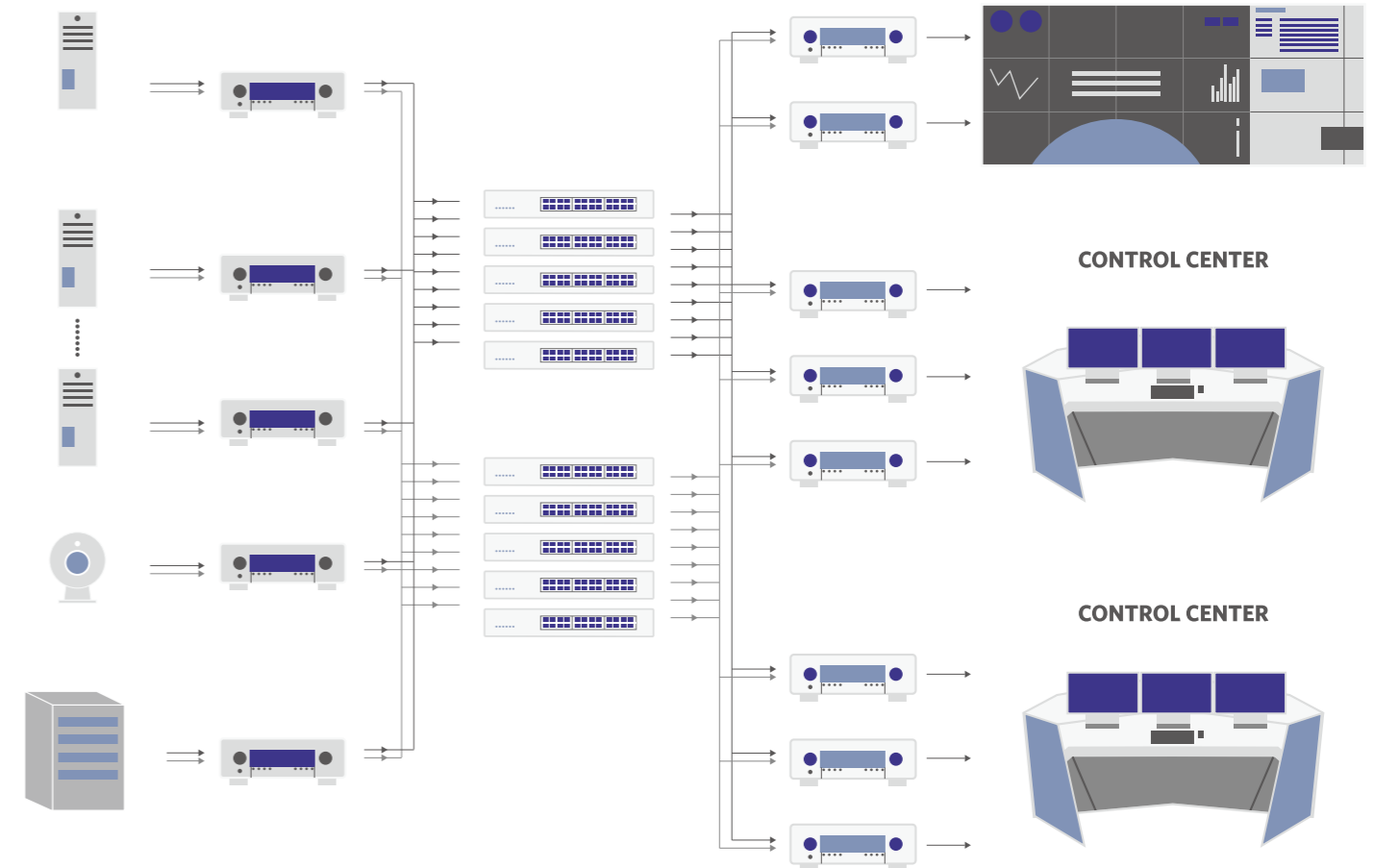
INPUT SOURCES

TRANSMITTER

MANAGEMENT SWITCH

RECEIVER

DISPLAY SETUP



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.



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

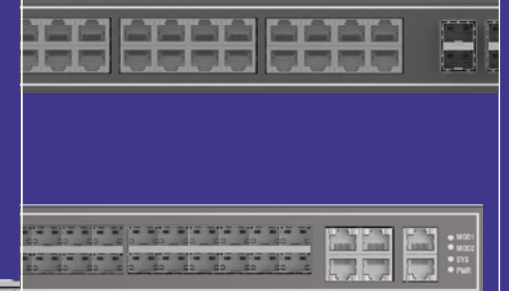
MULTIVIEWER



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.

HDMS

3



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.

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)

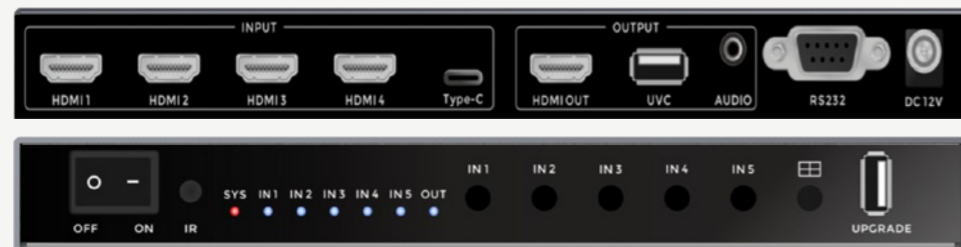
PAV-V9301



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

3

HDMS

PAV-W2601



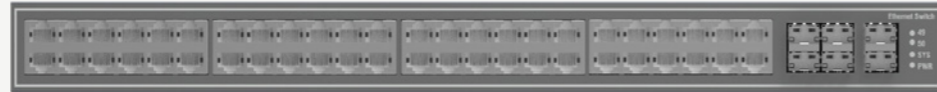
PAV-W2801



PAV-W3001



PAV-W5201



PAV-W5401



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				

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)

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.

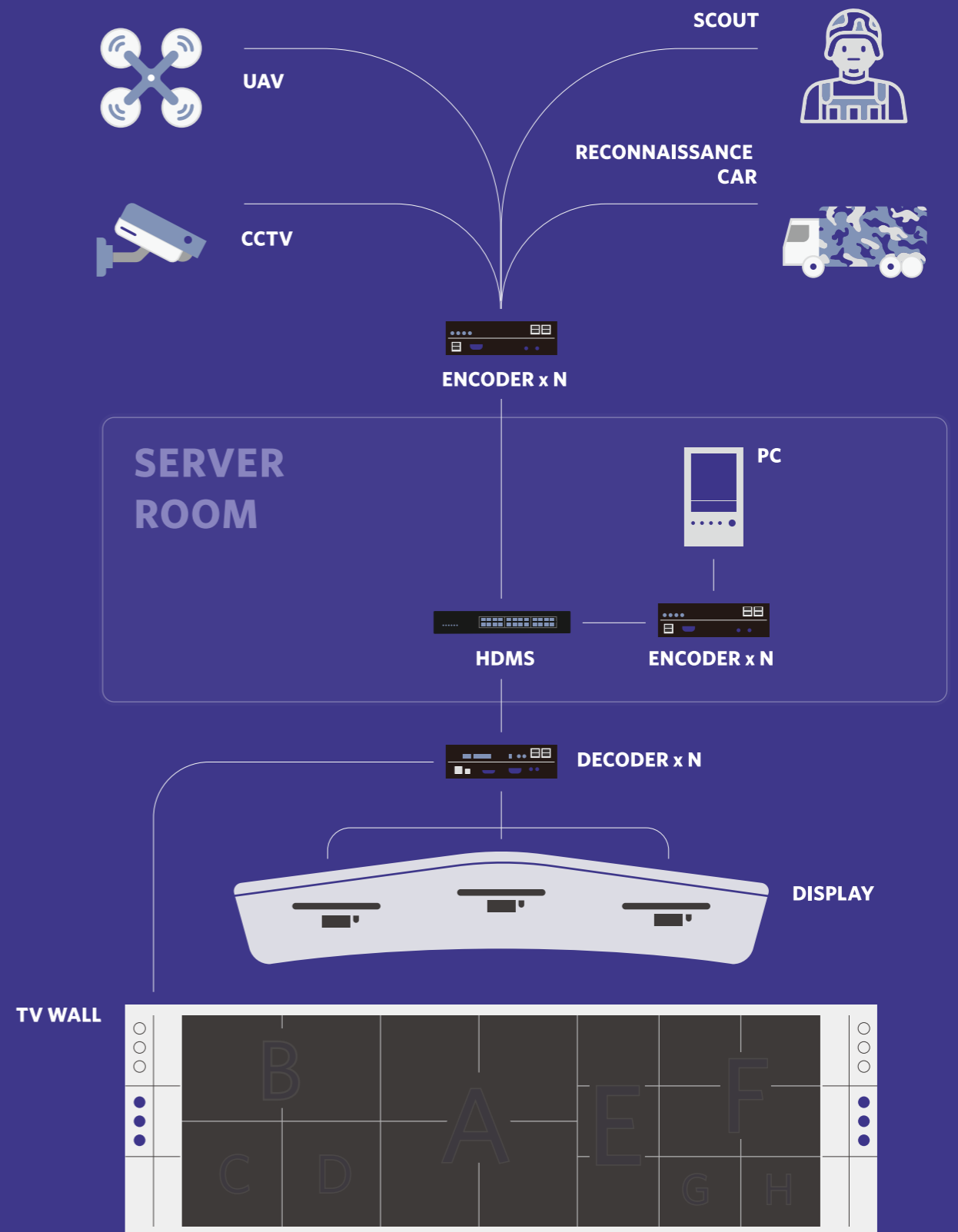
Situation rooms are often used by organizations such as government agencies, military organizations, and emergency response teams to monitor, analyze, and respond to events in real-time. These events could include natural disasters, terrorist attacks, or other emergency situations.

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



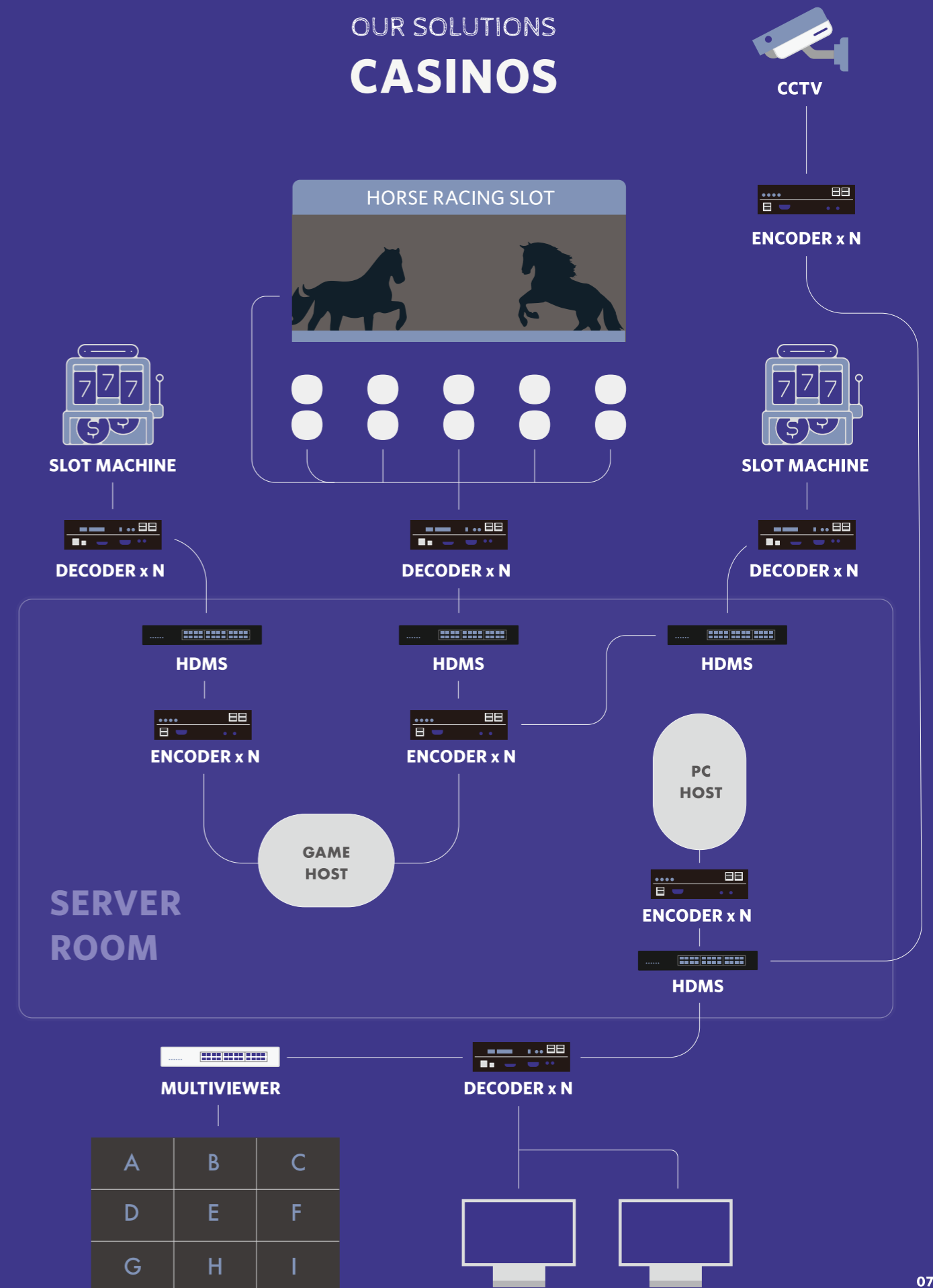
4K encoder and decoder technology is becoming increasingly popular in the casino industry, as it allows for high-quality video streaming and enhanced gaming experiences. The casino installed a large TV wall in their sportsbook area, which displayed multiple games and events simultaneously. The TV wall 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 X 12
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

CONTACT INFORMATION

BASIC CONTACT INFORMATION

Tel +886-2-25595216
Fax +886-2-25595218
Address 2F-3, No 110 Sec. 1, YanPing N. Rd. Datong Dist., Taipei City 10341, Taiwan
Email sales@actpower.com.tw

WEBSITE & SOCIAL MEDIA

Website www.actpower.com.tw/
FB ACT Power Taiwan Ltd (www.facebook.com/ACTPOWERTaiwan)
YouTube ACT POWER TAIWAN CO., LTD (www.youtube.com/channel/UC4gM_S4EP_EiAK84taEEFgQ)
LinkedIn ACT POWER Taiwan Co., Ltd. (www.linkedin.com/company/act-power-taiwan-ltd./)

DISTRIBUTOR INFORMATION

India

Thirdwave Ruggedtech Pvt. Ltd.
+91-932-8283304
info@thirdwaveruggedtech.com
www.thirdwaverugged.com
B-4, Chaitanya, opp. Maradia Plaza, Ellisbridge, Ahmedabad-380006, Gujarat, India.

VARISIS Advanced Engineering & Software Technologies India Pvt. Ltd.
+91-120-4213659
info@varisis.in
www.varisis.in
Plot No-06, Block-B, Sector-58, Phase_III, Noida-201301, Uttar Pradesh-, Ind

Univa Technologies Pvt. Ltd
+91-802-22290038
info@univatech.com
www.unified.co.in
Jains Heights-Solus , 3rd Floor, Unit G & E, 1st Cross, J.C. Road, (Opp. Jain College),Sampangi Rama Nagar, Bangalore-560027, India

KJ ENERGY PRODUCTS PRIVATE LIMITED
+91-080-29515133
Sales@kjenergy.in
No. 229, 11th Main, 2nd cross, 3rd Phase, Peenya Industrial Area I Bangalore 560058

Universal Tech Solutions Ltd.
+91 9555751100
utsinfo@universeltechsolutions.com
http://universeltech-solutions.com/
#77, 7th Main, vinayaknagar, bagalur cross, yelahanka BANGALORE 560063

Singapore

Hornbill Rugged Networks Pte. Ltd.
+65 6444 9434
info@hornbillrugged.com
www.hornbillrugged.com
41 Kallang Pudding Road, #04-03B, Golden Wheel Building, Singapore, 349316

Dubai

Miltec Rugged Computer Solutions LLC
+971 4 3795910
info@milcomputing.com
Milcomputing.com
#301B, Al Nakheel Building, AL Karama, PO Box-126830, Dubai, UAE

New Zealand

Project-X Technologies Ltd.
+64 9 3030198
mehome.co.nz@gmail.com
154 Queen Street, Auckland CBD, Auckland 1010