



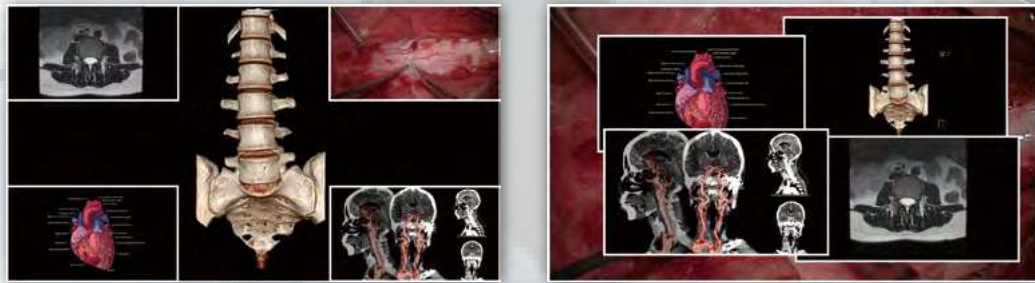
Pro AV Solution Guide



One Product, Multiple Views

MaitreView™ is the seamless-switching and uncompressed 4K/60Hz multi-window video processor for multiple inputs and outputs for changing the way we communicate.

Flexible Views



Classic Views



The multi-window performance provides presenters the ability to share effectively - accomplishing digital transformation in mission-critical applications, including corporate, healthcare, education, government and much more.

Ease of Use, Tablet Control

Manage various sources with diversified layouts and support presenters with a simple tablet device control.



Inspire the interactive discussions and share data efficiently than ever before.

MaitreView™ opens numerous possibilities to versatile applications from regular trainings to conference meetings.

Stunning Resolution Clear Vision

Seamless Switching
between Multiple Sources

High-resolution
Lossless Video

Independent Layouts
Processing on 2 Outputs

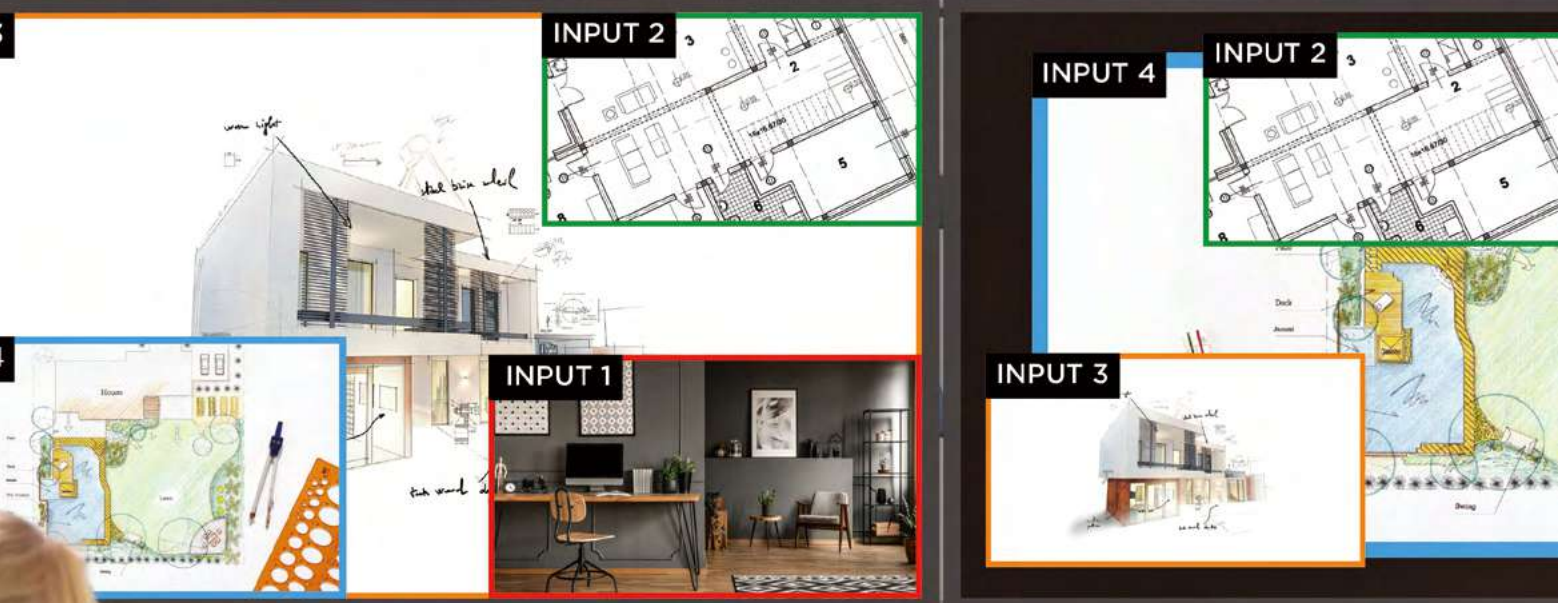
Intuitive Management, Flexible Control

On-Screen Display to
Identify Input Sources

Flexible Control

- Windows Software
- Tablet APP
- Front Buttons
- APIs (Application Programming Interfaces)

Adjustable Border Lines to
Highlight the Selected Regions



Seamless Switching between
Multiple Sources and Layouts



To compare various sources smoothly, powerful scaling achieves zero-frame-latency switching and level up the visual experience.



**One IPS,
More Applications**

The IPS series support video modes including matrix switch, multi-view display, video wall, and KVM.

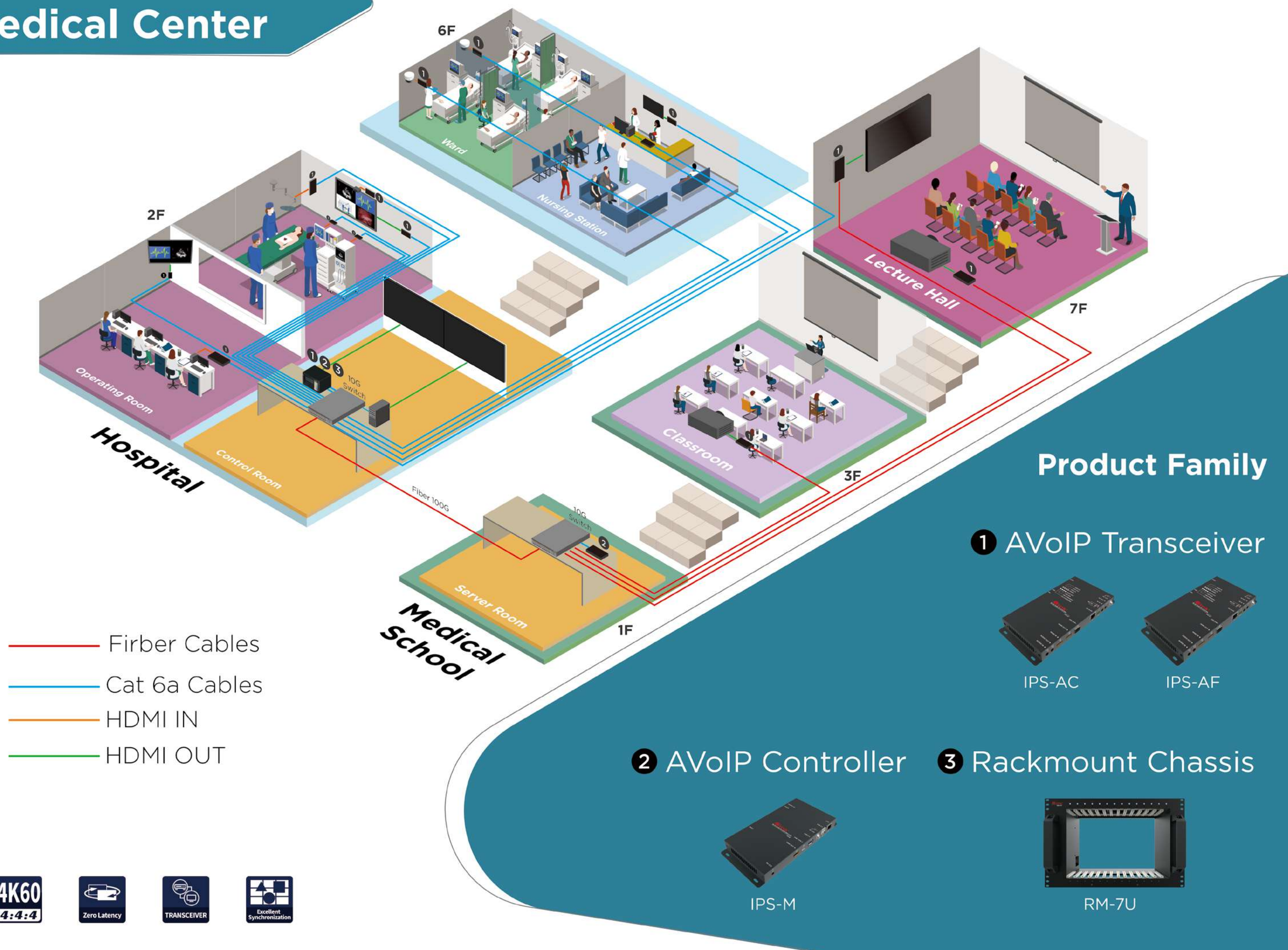
The IPS series also support Power over Ethernet+ (PoE+) and enable zero-latency A/V signal at 4K/60Hz 4:4:4 over a 10-Gigabit network to display crystal-clear video in multiple applications.



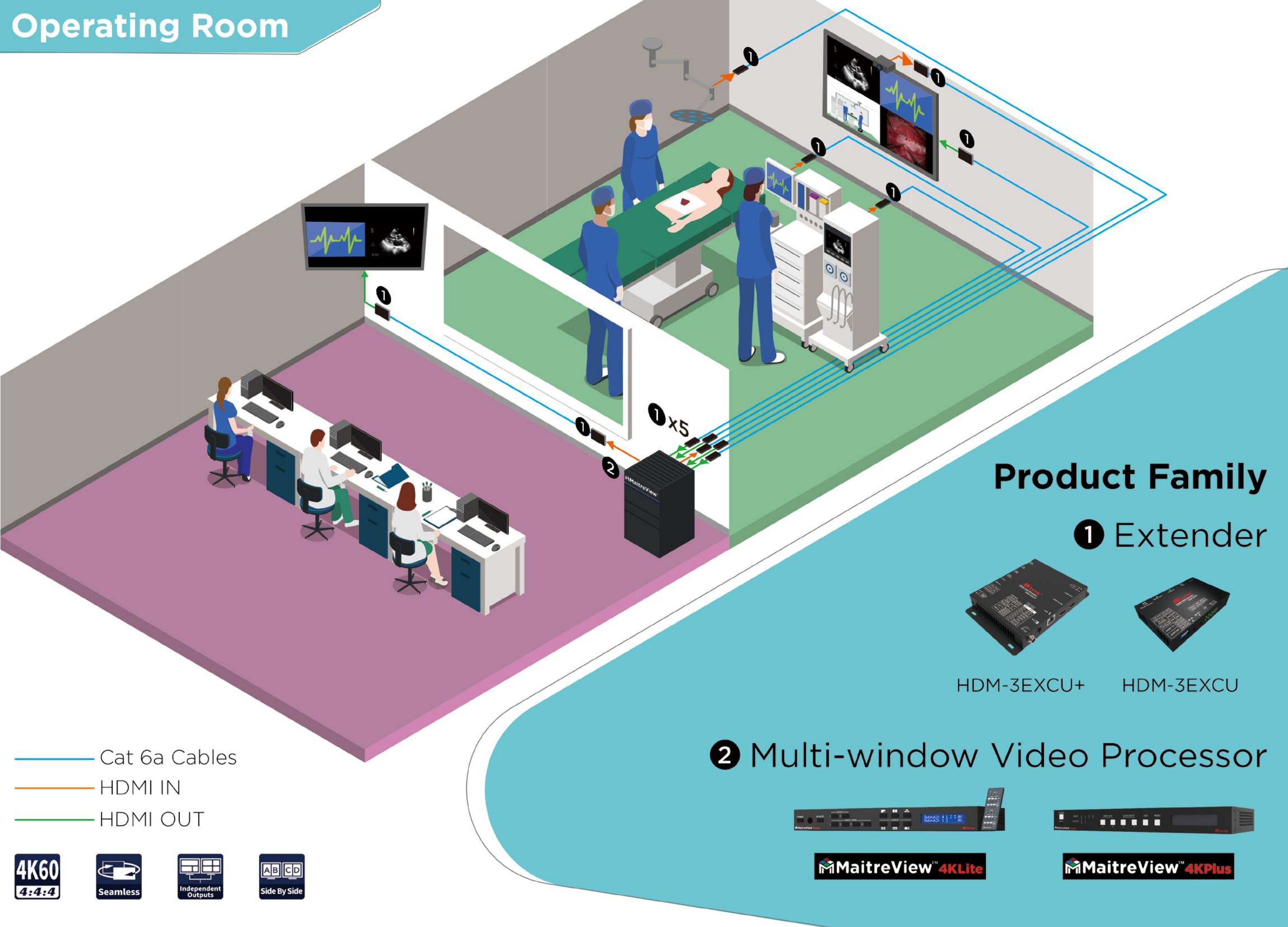
Healthcare Application

- Do not miss the details: crystal-clear A/V content including x-rays, ultrasound, and scans is critical to performing surgery. Besides, HDR (High-Dynamic Range) images help radiologists and surgeons diagnose accurately.
- Collaboration enhancement: high-quality video with zero latency is significant to live case training and cooperation with clinical staff.

Medical Center



Operating Room

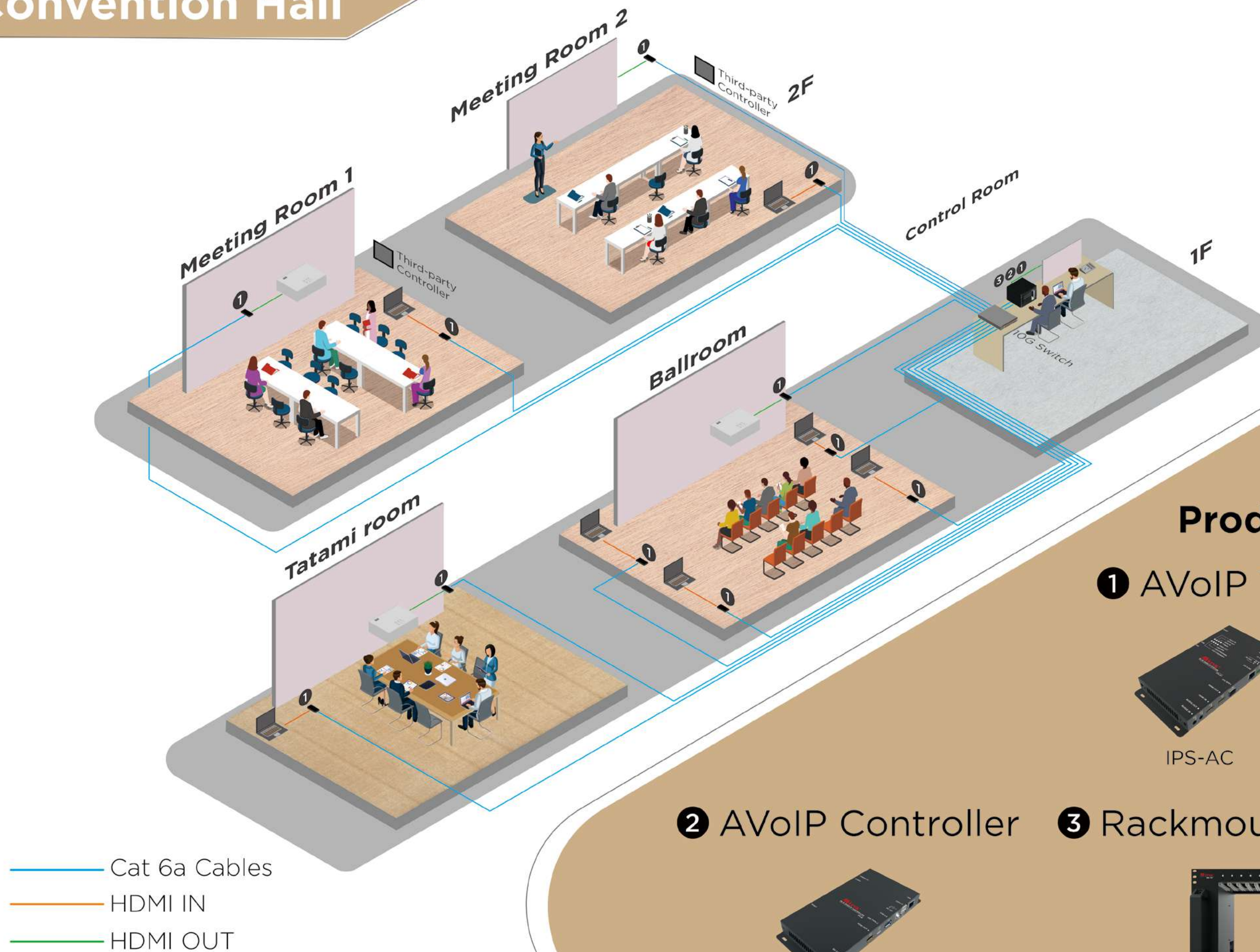




Corporate Application

- Uncompressed video:
levels of management and office workers expect to experience the crystal-clear video shown on screens.
- Zero-latency content:
applications include synchronized audio and video distribution over IP network to devices on different floors such as huddle rooms and boardroom displays, desktop computers, digital signage, etc.

Convention Hall



Product Family

1 AVoIP Transceiver



IPS-AC



IPS-AF

2 AVoIP Controller



IPS-M

3 Rackmount Chassis

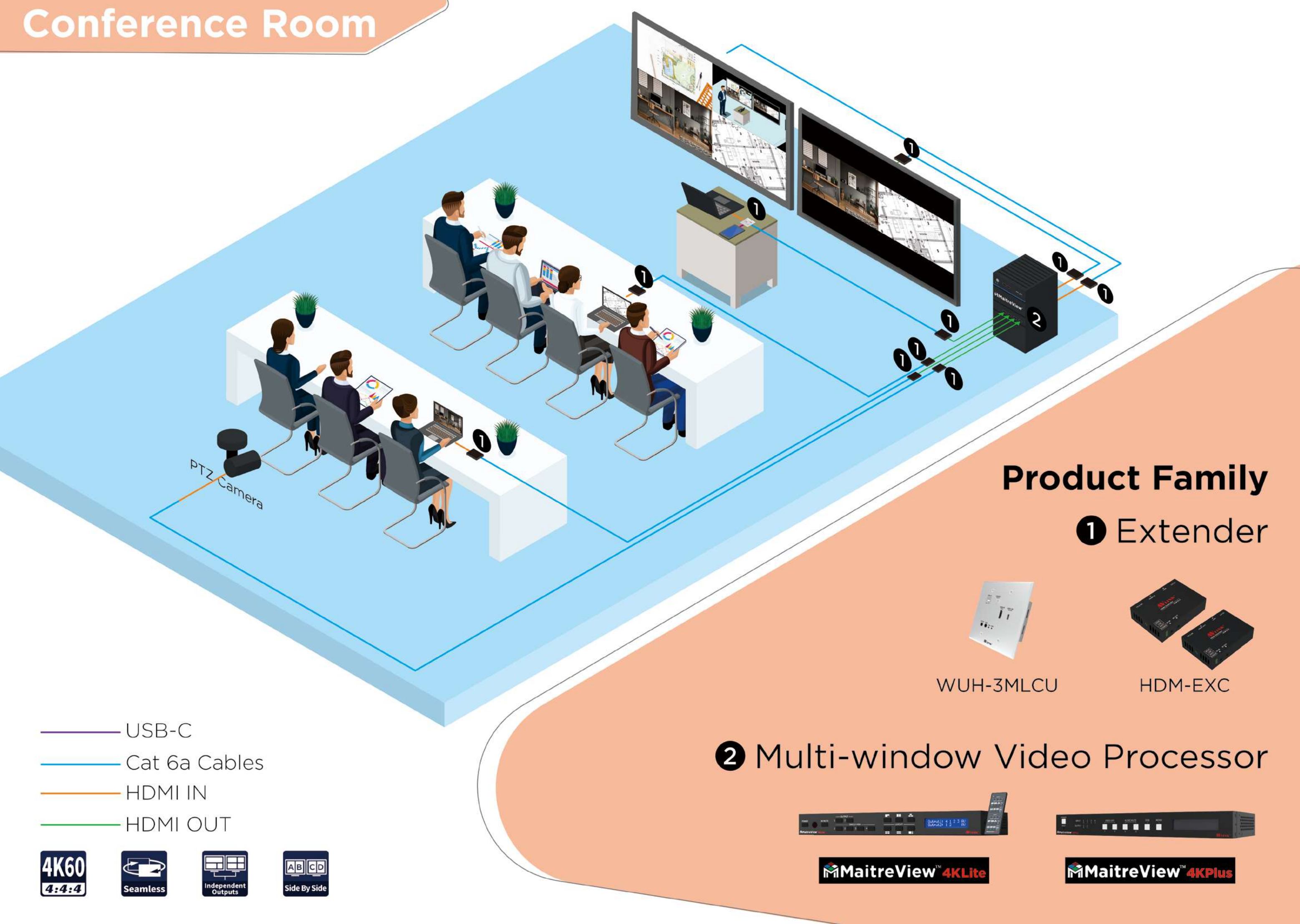


RM-7U

— Cat 6a Cables
— HDMI IN
— HDMI OUT



Conference Room



Product Family

1 Extender



2 Multi-window Video Processor



MaitreView™ 4K Lite

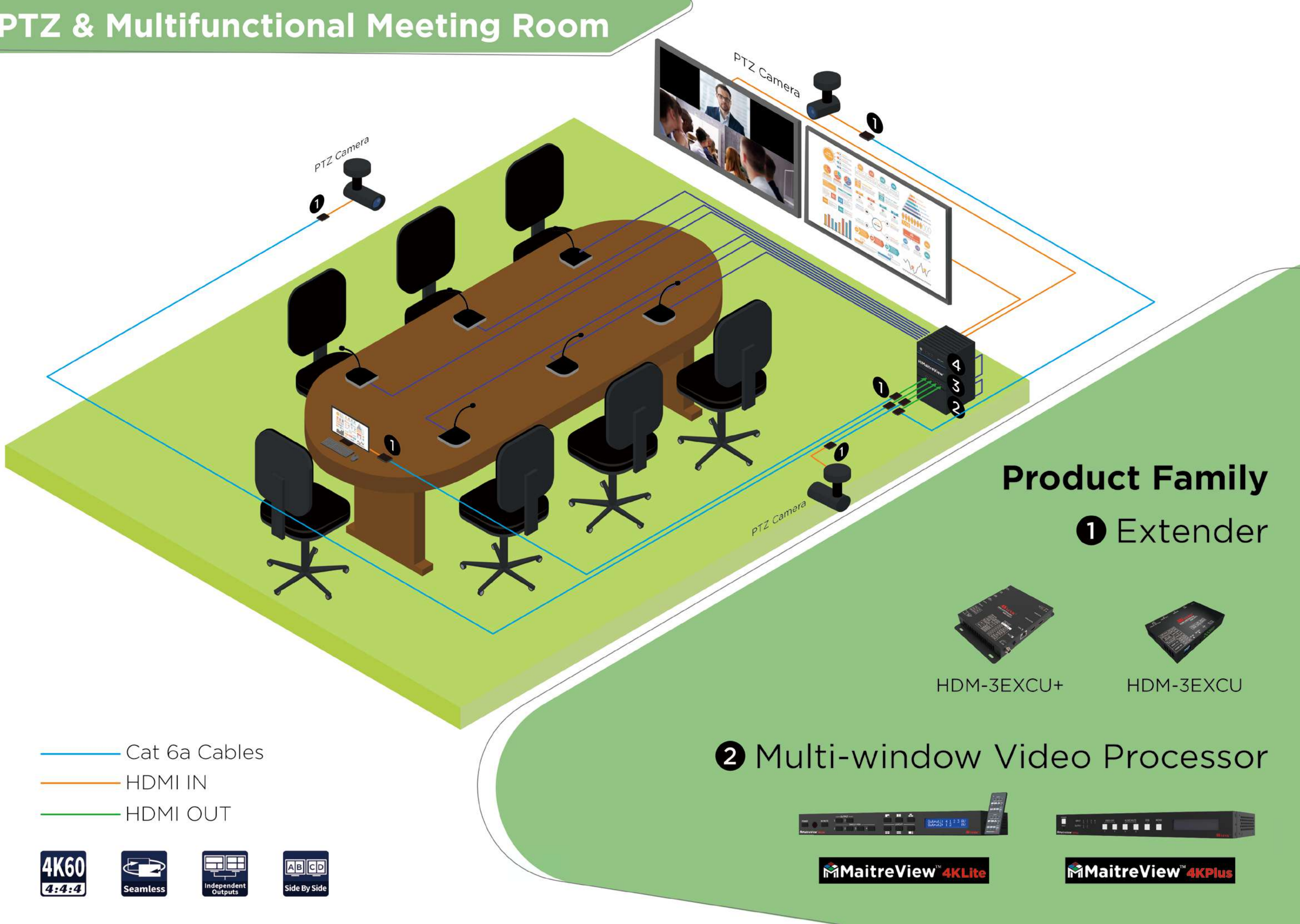


MaitreView™ 4K Plus

- USB-C
- Cat 6a Cables
- HDMI IN
- HDMI OUT



PTZ & Multifunctional Meeting Room

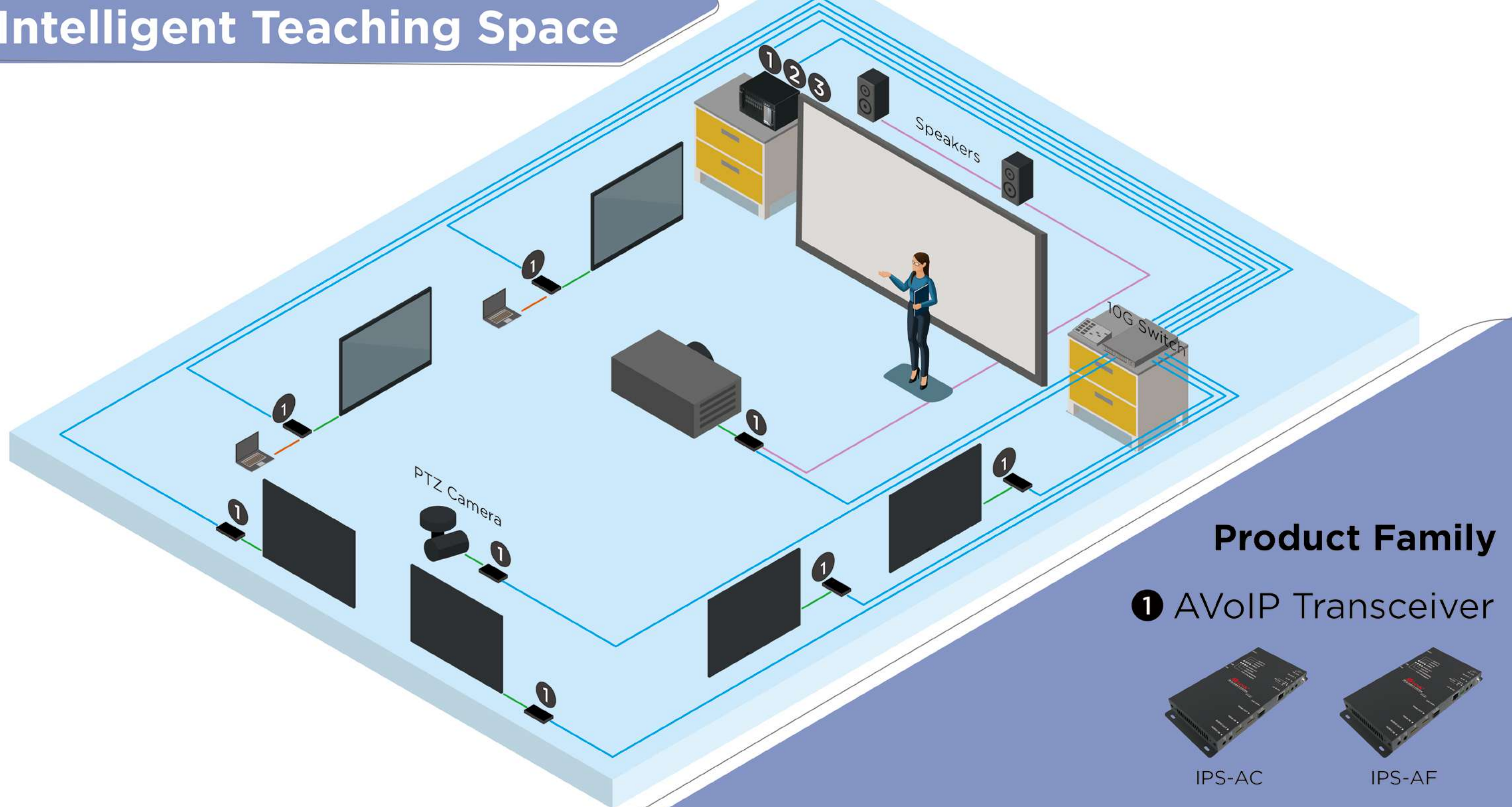




Educational Application

- Immersive learning: students on campuses do not need to stay in classrooms to access the distributed A/V signals for learning. The environment provides a base of hybrid learning that uses a mix of online and off learning.
- High-quality imaging: teachers and students present A/V content at the same time from both in-room computers and personal mobile phones.

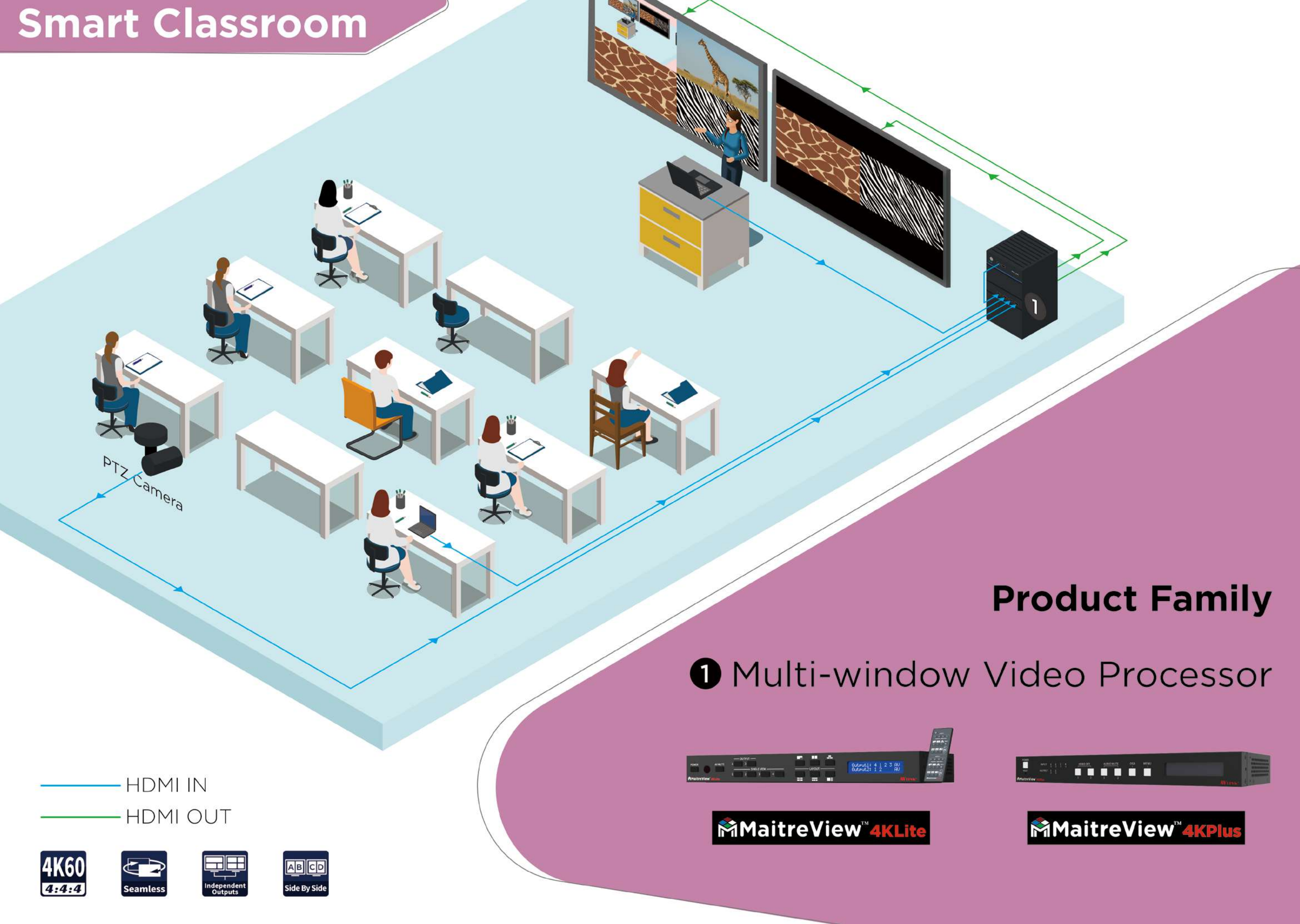
Intelligent Teaching Space



— Cat 6a Cables
— HDMI IN
— HDMI OUT
— AUDIO



Smart Classroom



Product Family

1 Multi-window Video Processor



MaitreView™ 4KLite

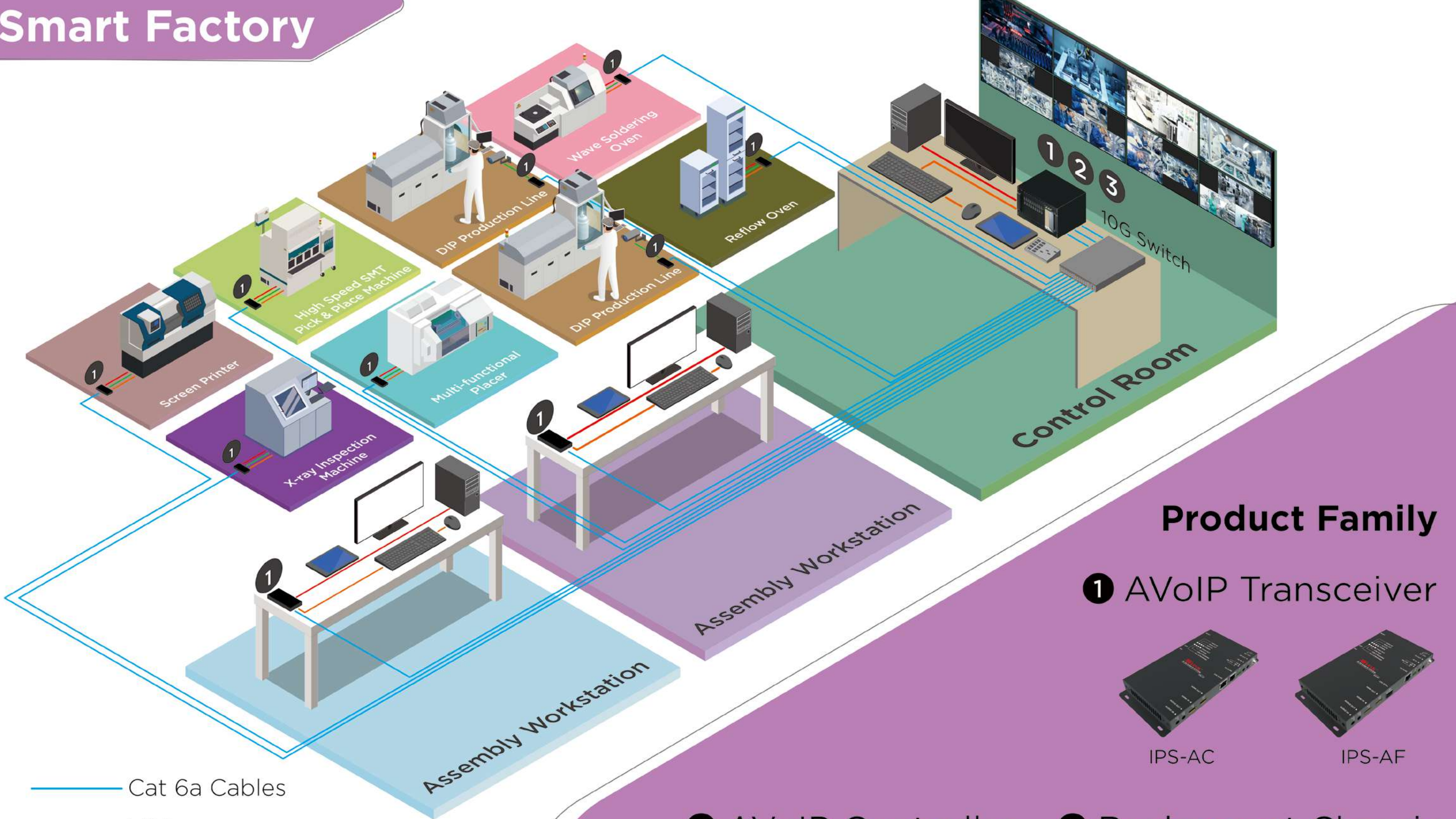
MaitreView™ 4KPlus

A photograph of two industrial workers, a man and a woman, wearing white hard hats and high-visibility yellow and blue work jackets. They are in a control room, looking at a large array of computer monitors. The woman is pointing at one of the screens. The monitors display various industrial data, including process flow diagrams, graphs, and a 3D molecular model. The background is dark, suggesting a night shift or a dimly lit industrial facility.

Industrial Application

- Astonishing video quality: those who work in a control room look forward to watching high-quality video content when it is shown on wide screens or video walls.
- Synchronized video processing: zero latency keeps real-time content and helps control room staff monitor the work of the equipment, like the production and assembly of electronics, and control the operation of large machines simultaneously.

Smart Factory



— Cat 6a Cables

— USB

— HDMI

— RS232



Product Family

1 AVoIP Transceiver



IPS-AC



IPS-AF

2 AVoIP Controller



IPS-M

3 Rackmount Chassis

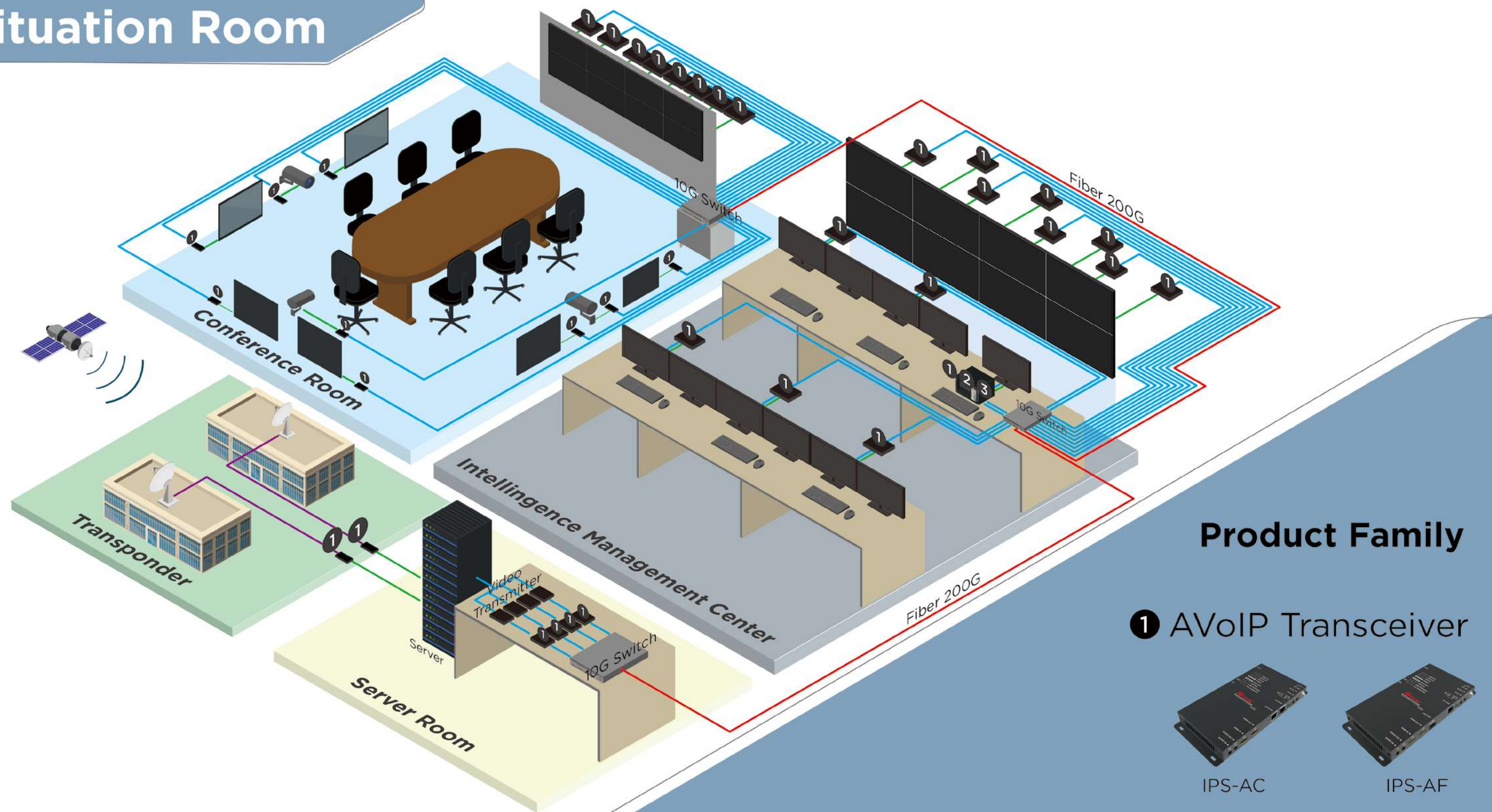


RM-7U

Military Application

- Uncompressed A/V content: enable those who work in a situation room and emergency operation center (EOC) to watch the high-resolution video on any of the displays.
- Make an optimal decision: transport the on-site audiovisual signal to wide screens or video walls in a control room to make well-informed decisions.
- End-to-end AES 128-bit encryption ensures safe video transit.

Situation Room



Product Family

1 AVoIP Transceiver



IPS-AC



IPS-AF

2 AVoIP Controller



IPS-M

3 Rackmount Chassis



RM-7U

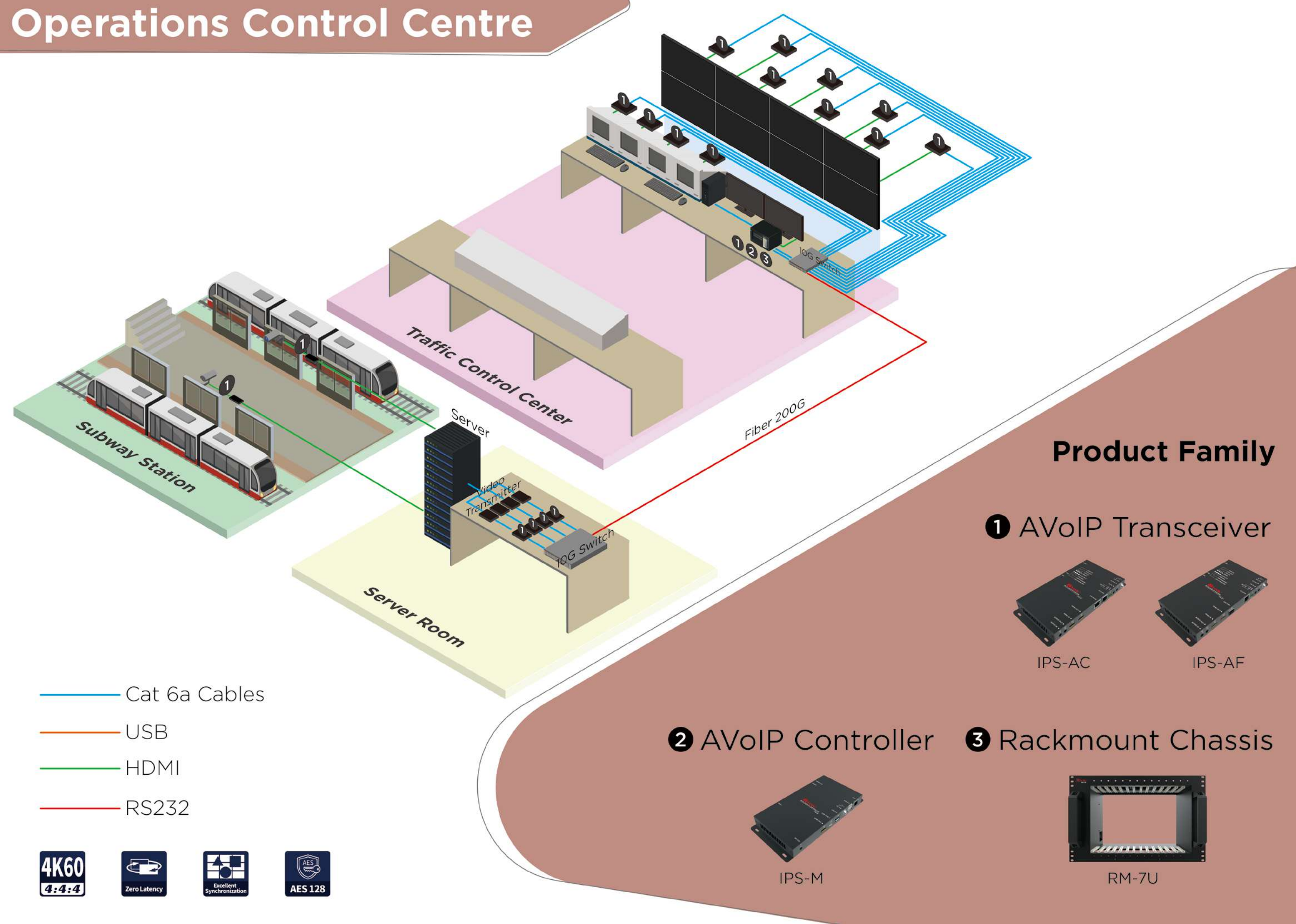




Transportation Application

- Never miss significant information: there are A/V sources in the whole venue. Travelers can watch the video on screens in stores, passenger service centers, and customer lounges.
- Transportation Security Protection: on one hand, those who work in a control room can access the pixel-for-pixel live video feeds to maintain the safety of transportation. On the other hand, security staff can connect to surveillance cameras to prevent public security issues and locate people who need immediate help.

Operations Control Centre

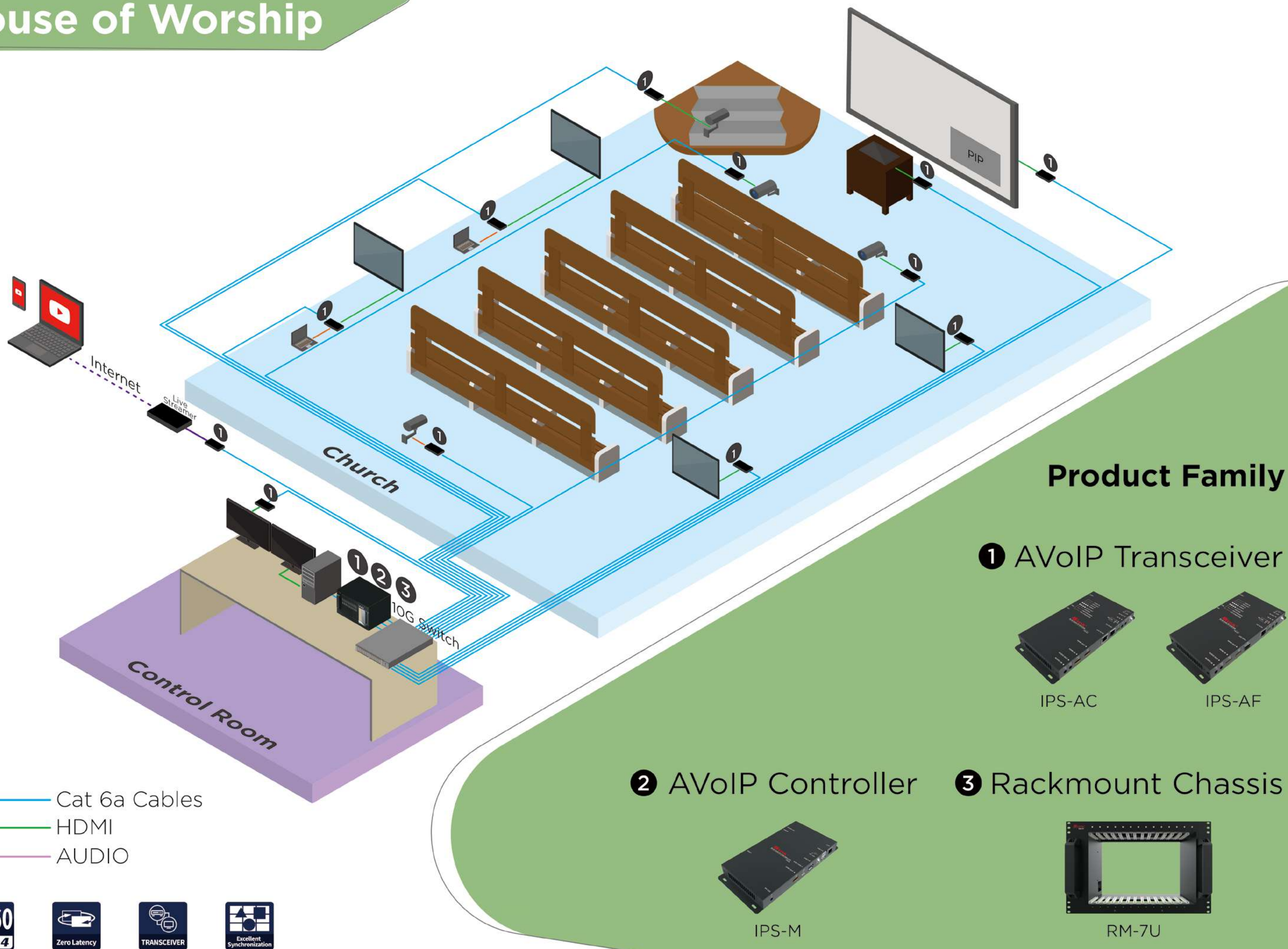




Faith Application

- Fidelity of video: congregations anticipate experiencing the crystal-clear video content shown on screens.
- Real-time video processing: zero latency stays synchronized content. Those who listen to a sermon can watch live videos on television and immerse in the preacher's blessings with other congregations at the same time.

House of Worship

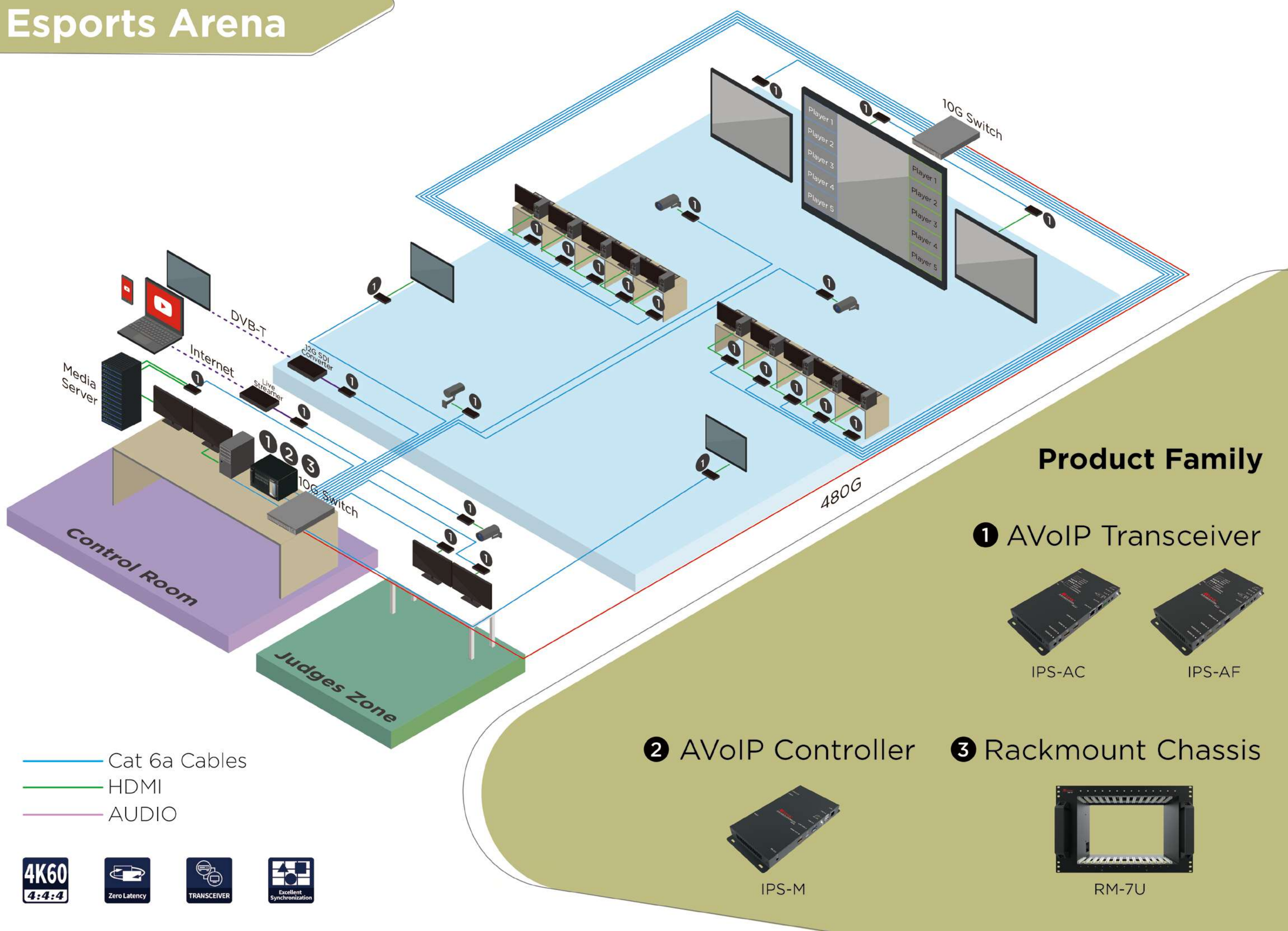




Entertainment Application

- Fabulous video quality: gamers and audiences expect to experience amazing gameplay for high resolution when it is shown on gamers' screens and large-scale video walls respectively.
- Watch games inside and outside in a venue: audiences can watch the gameplay on screens around stalls when they wait for food, drinks, or other merchandise in lines. Besides, a central control room can stream the gameplay live to Twitch, Youtube, and other streaming platforms for gamers.

Esports Arena



Specification

AVoIP Transceiver		
		
Product Name	IPS-AC	IPS-AF
Connectivity	Cat6A Cable	10G Fiber SFP+
Connection Distance	Up to 100 meters	Up to 10 kilometers
Power over Ethernet (PoE)	Yes	No
Video Input / Output	4K/60Hz 4:4:4 HDMI 2.0 & HDCP 2.2	
Audio Input / Output	Dolby & Analog L/R	
USB	USB 2.0 & HID USB 1.1	
RS-232 Routing	Baud Rate Up to 115200	

AVoIP Controller	
	
Product Name	IPS-M
Video Formats	Up to HDMI 2.0 4K/60Hz, 4:4:4, HDR
Video Connector	HDMI Type A
EDID	Read Display EDID
Channel Capacity	1 bi-directional
Signal Format	RS-232
USB Signal Format	USB 2.0 / USB 3.1 GEN1 / USB Type-C
USB Connector	Type A x 2 / Type C
Ethernet Speed	10/100/1000 Base-T
Control Port	RJ-45

Rackmount Chassis	
	
Product Name	RM-7U
Dimensions (WxHxD)	483 x 311 x 300 mm (Chassis Only)
	483 x 311 x 349 mm (Handles Included)
Net Weight	6,200 g
Chassis Material	Metal
Color	Black
Device Slot	14
Power Input	100 - 240VAC, 4.0A, 50/60Hz
Power Output	12V / 26.7A
Power Consumption	320.4W (Max.)

Multi-window Video Processor		
		
Product Name		MaitreView™ 4KPlus
Video	Processing	Seamless switching between multiple sources
	Input / Output	4K/60Hz 4:4:4 / HDMI 2.0 & HDCP 2.2 Independent Outputs
Audio Output		1 x 3.5 mm Jack 1 x S/PDIF
Preset Layouts		Unlimited User-specific Layouts
Split Layers		4
Source Labeling (OSD) & Borders		Yes
Host Control		Web GUI, tablet APP, front buttons, RS-232, and API (Application Programming Interfaces)

Extender		
Product Name	WUH-3MLCU	HDM-3EXCU+
Type	Wall Plate Transmitter	Box Transceiver
Cable Distance	40M (CAT6A U/FTP 23AWG)	100M (CAT6A U/FTP 23AWG)
USB	USB Type B 2.0 (Host)	USB 2.0 (Host)
Video Connector	HDMI A-Type Female x 1 and USB Type-C Female x 1	HDMI A-Type Female x 1
Control Port	RJ-45 Connector x 1	RJ-45 Connector x 1
RS-232 Connector	1 X 3 Pole Captive Screw Socket x 1	HDBT Terminal block (RX G TX) EDID Learn Terminal block (RX G TX)
IR OUT	3.5ψ Stereo Jack x 1	3.5ψ Stereo Jack x 1
IR IN	3.5ψ Stereo Jack x 1	3.5ψ Stereo Jack x 1
DIP SW	None	4bit: USB / RS-232 / HDBT Mode 3bit: EDID Mode
Source selection (HDMI / USB Type-C)	Illuminated Push Button X1 (Blue / Yellow)	None
Max. Resolution	4K/60Hz 4:4:4	4K/60Hz 4:4:4
Power Adapter (Min.)	DC 12V 2A (1 x 2 Pole Captive Screw Socket)	DC 12V 2A (Locking Jack)
Power Consumption (with PoC)	24W (Max.)	24W (Max.)
Housing	Metal	Metal
Net Weight	300 g	476±2 g
Dimensions (L x W x H)	120 x 120 x 37.5 mm	179 x 114 x 25 mm

Extender		
Product Name	HDM-3EXCU	HDM-EXC
Type	Box Transceiver	Box Transceiver
Cable Distance	100M (CAT6A U/FTP 23AWG)	40M (CAT7)
USB	Micro USB 2.0 (Host or Device)	None
Video Connector	HDMI A-Type Female x 1	HDMI A-Type Female x 1
Control Port	RJ-45 Connector x 1	RJ-45 Connector x 1
RS-232 Connector	Terminal block (TXD GND RXD)	Terminal block (TX GND RX)
IR OUT	3.5ψ Stereo Jack x 1	3.5ψ Stereo Jack x 1
IR IN	3.5ψ Stereo Jack x 1	3.5ψ Stereo Jack x 1
DIP SW	USB / IR / Gender Function	None
Source selection (HDMI / USB Type-C)	None	None
Max. Resolution	8K/30Hz 4:2:0 / 4K/60Hz 4:4:4	4K/60Hz 4:2:0 and 4K/30Hz 4:4:4
Power Adapter (Min.)	DC 12V 2A (Locking Jack)	DC 12V 1.5A (Locking Jack)
Power Consumption (with PoC)	24W (Max.)	18W (Max.)
Housing	Metal	Metal
Net Weight	228±2 g	175 g
Dimensions (L x W x H)	107.2 x 69 x 20 mm	89.2 x 63 x 22 mm



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