



# Broadcast & ProAV

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NDI<sup>®</sup>

SRT  
SECURE  
RELIABLE  
TRANSPORT

UNREAL  
ENGINE

Zero Density

zoom Certified

Wide Range of  
Protocols & Integration

Robotics

200.000 PTZ Cameras sold globally!

Outdoor Solutions  
& Accessories

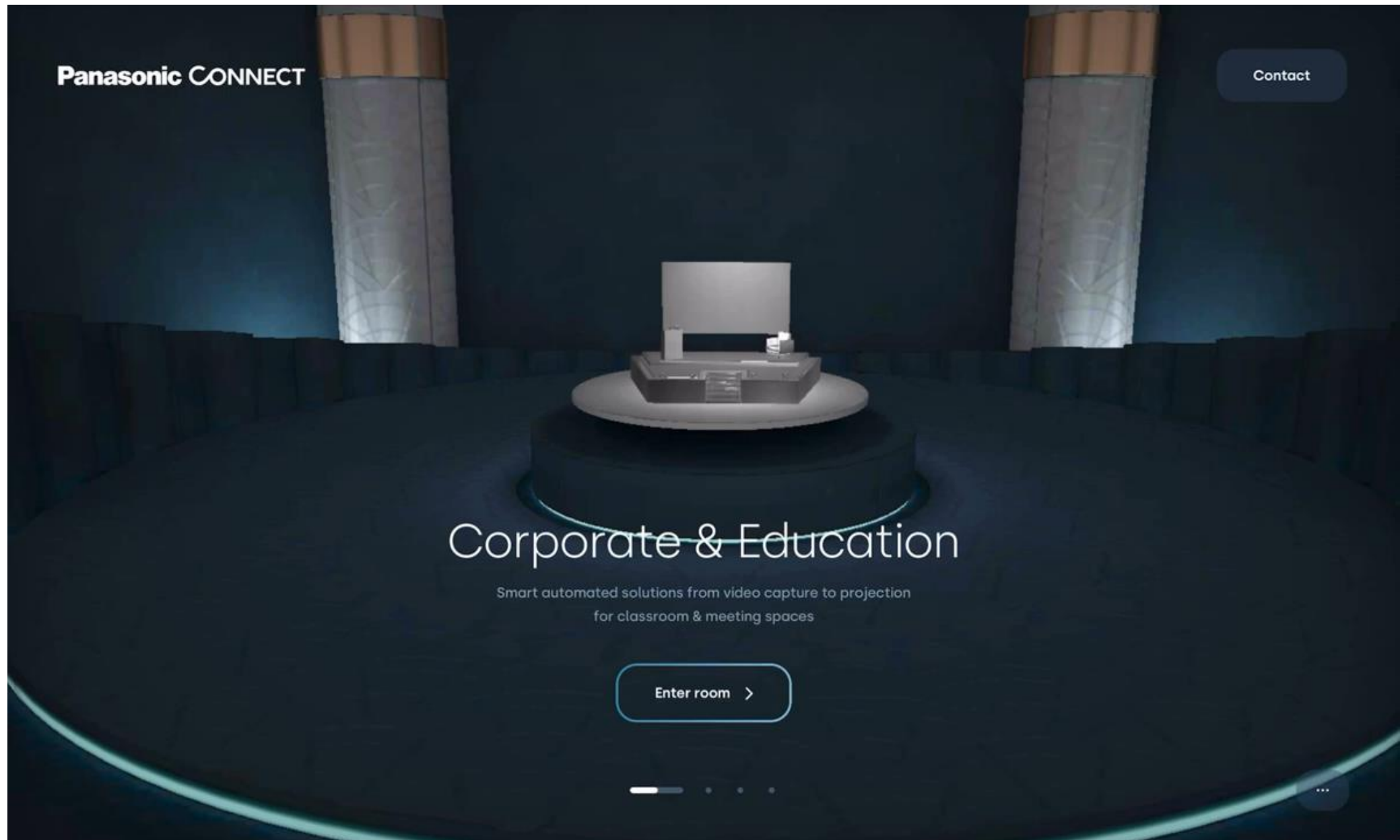
Paint Panels

Control Panels  
& 4K Switchers



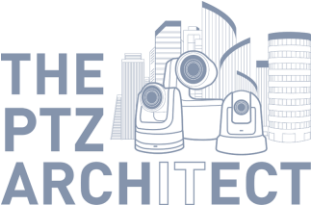
Free Software  
& Auto tracking  
+ Automation







What's new? The family just got bigger!



THE PTZ ARCHITECT		NDI <sup>®</sup> HX		NDI <sup>®</sup> HD	NDI <sup>®</sup> 4K		NDI <sup>®</sup> HX	NDI <sup>®</sup> 4K
4K PROFESSIONAL	4K PROFESSIONAL	4K PROFESSIONAL	4K PROFESSIONAL	4K PROFESSIONAL	4K PROFESSIONAL	1080p FULL HD	4K PROFESSIONAL HDR	4K PROFESSIONAL HDR
@ 30p	@ 30p	@ 30p	@ 30p	@ 60p	@ 60p	@ 60p	@ 60p	@ 60p
HDMI/USB	USB/HDMI/3G-SDI	HDMI/USB	USB/HDMI/3G-SDI	HDMI/3G-SDI/GL	12G-SDI/3G-SDI HDMI/GL	2x 3G-SDI/GL	12G-SDI/3G-SDI HDMI/MONI/GL	12G-SDI/3G-SDI HDMI/MONI/GL
AW-UE4	AW-UE20	AW-UE40	AW-UE50	AW-UE80	AW-UE100	AW-HR140	AW-UE150	AW-UE160

AW-HE20



HD Only Products

AW-HE145





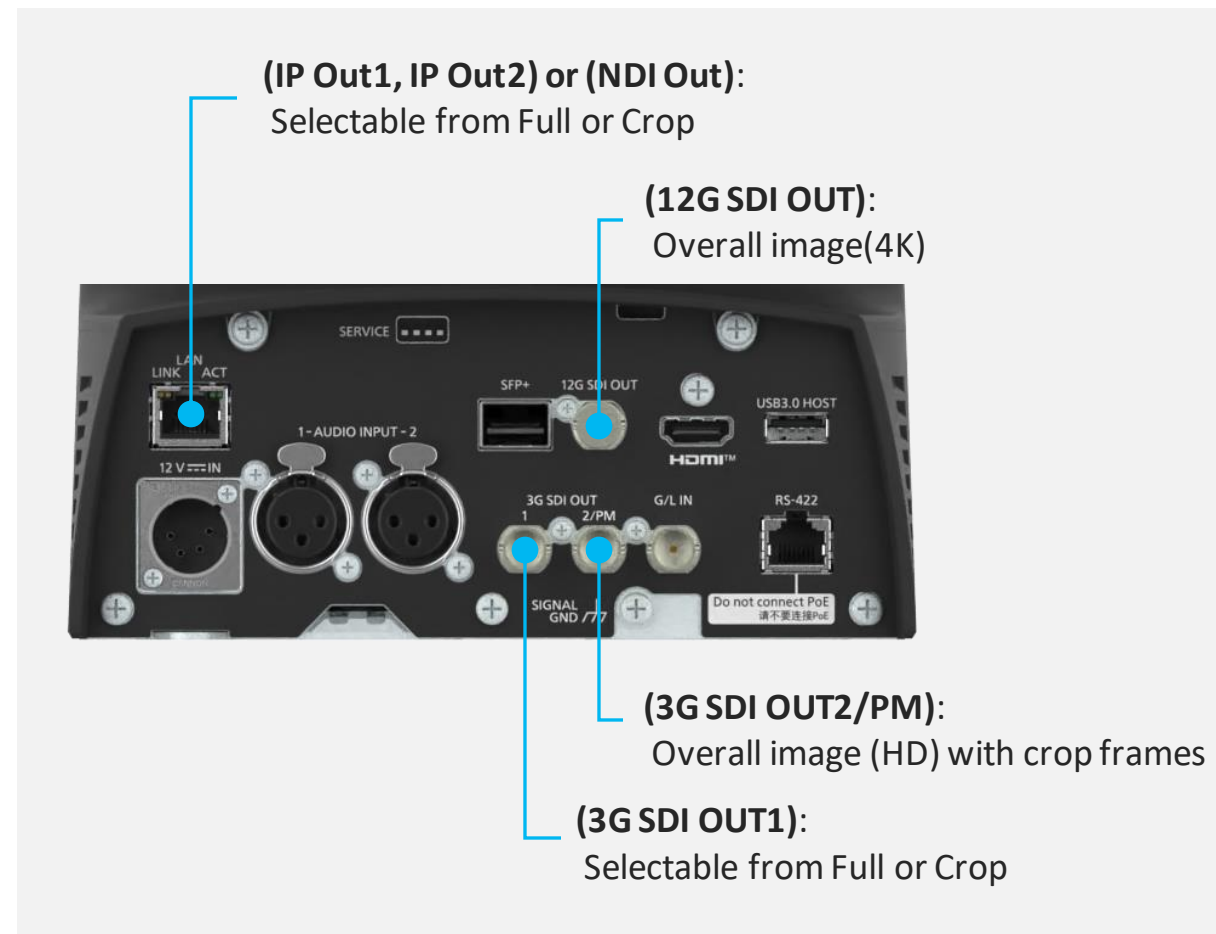
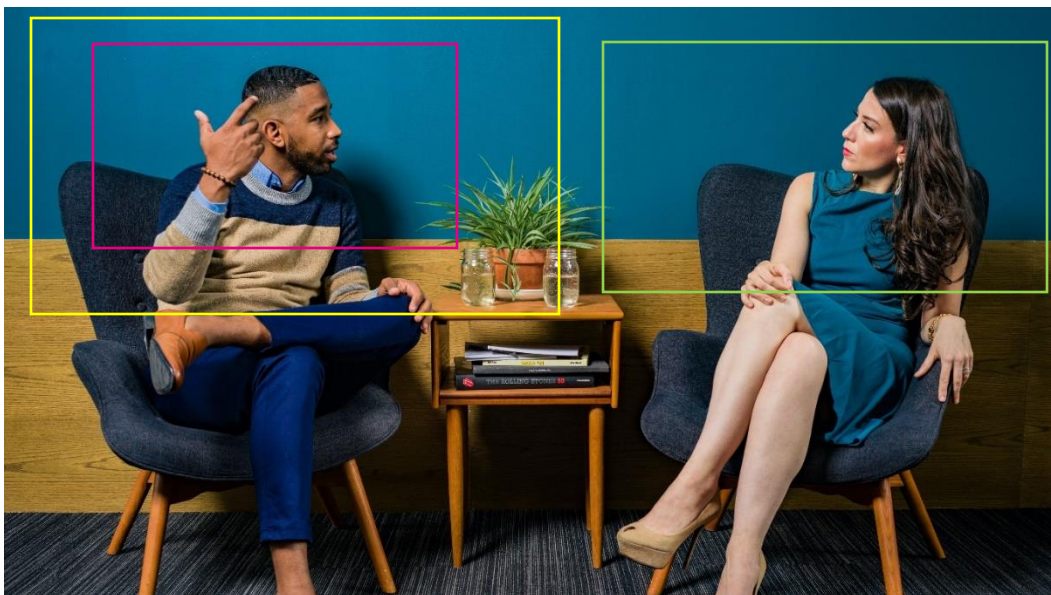


- Wide angled lens with 20x Zoom (24.5 – 490mm)
- New sensor with extremely high sensitivity
- Combination of Phase Detection AF and Contrast AF
- Moiré reduction filter for LED wall shooting.
- First ever PTZ with SMPTE ST 2110
- Full Bandwidth NDI in 4K60p
- 5G USB Dongle Support for remote production
- 120fps high speed output in 1080p
- Waveform + Level Gauge tools for easy setup



## Captures two footage from a single camera: “Wide (Full)” and “Close-up (Crop)”

- Three crop frames (yellow, green, magenta) can be set. One of them can be selected and output from 3G-SDI or IP/NDI.
- The crop zoom ratio can be specified between the range of 120% to 500%.<sup>1</sup>

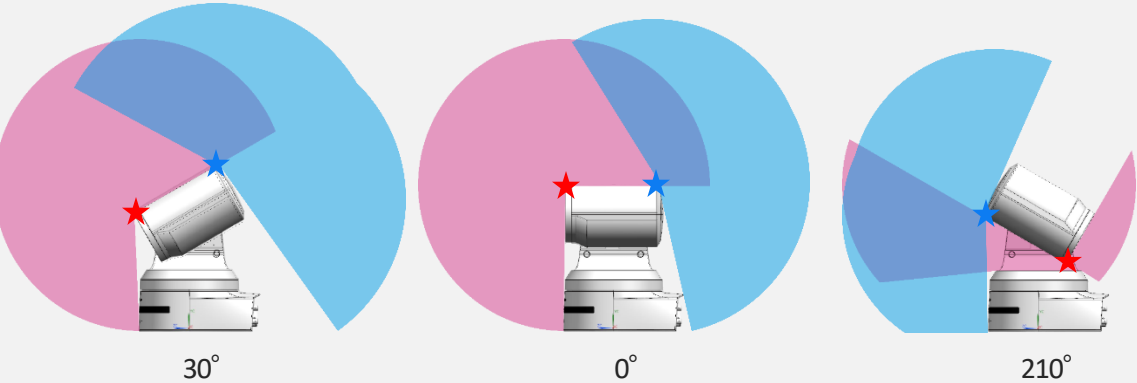




Further functions to support on-site operations

Large tally lamps (Front & Rear)

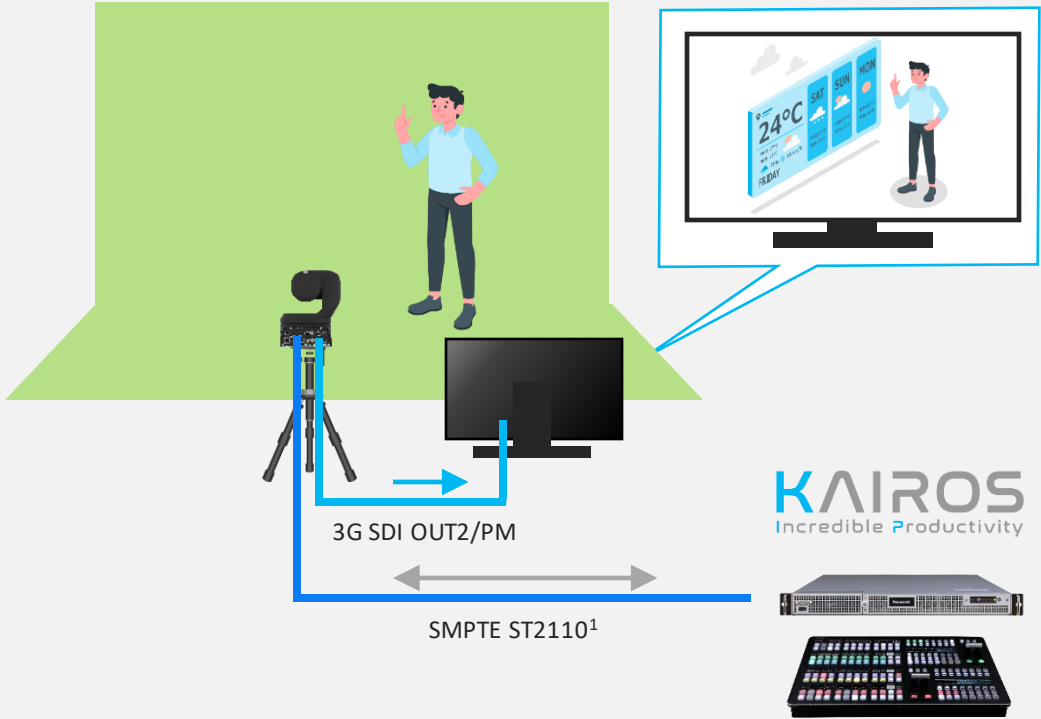
New rear tally lamp, easy to see from all directions.  
New support for yellow tally in addition to red and green.



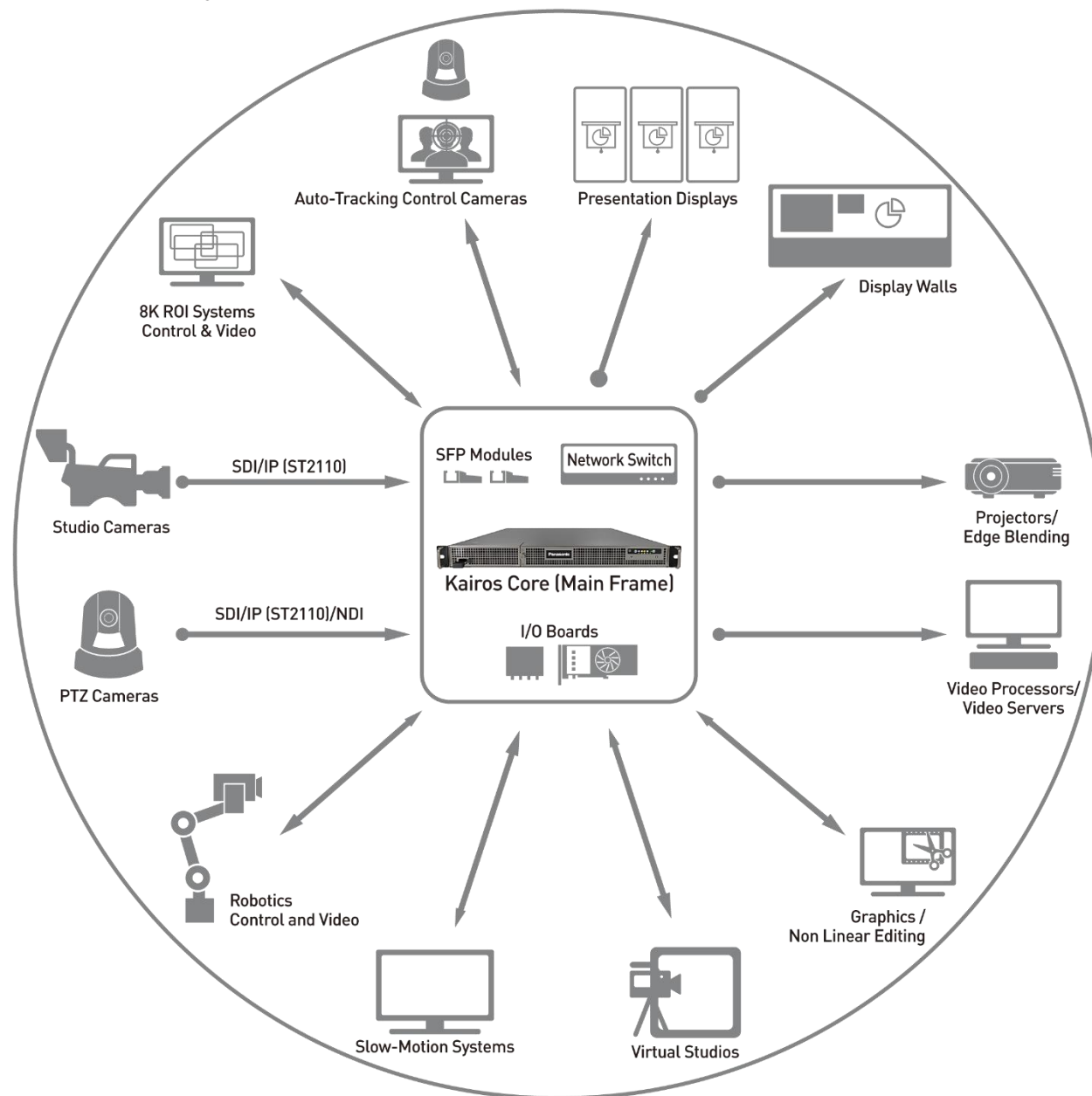
★ Front tally lamp    ★ Rear tally lamp    ● Visible range of tally lamps

Return video

Footage is sent back from the switcher to the camera, so that the cast can also check the final footage.<sup>1</sup>



1: Only when using SMPTE ST 2110 option. A license (AW-SFU60) must be purchased for use.



## BENEFITS

**USER-FRIENDLY INTERFACE**

**FLEXIBLE INFRASTRUCTURE**

**UNCOMPRESSED PROCESSING**

**1 FRAME LOW LATENCY**

**RESOLUTION AND FORMAT INDEPENDENT**

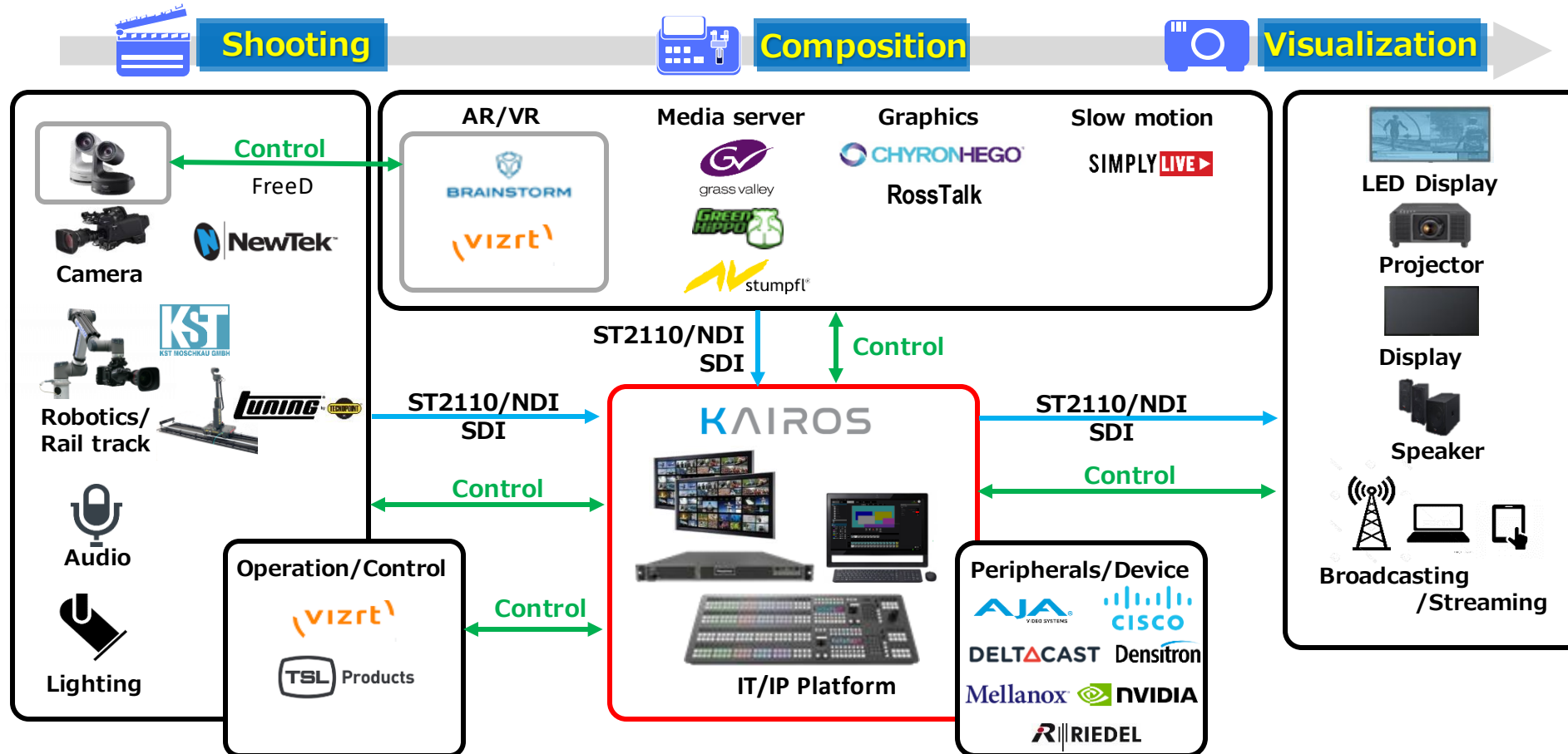
**FLEXIBILITY AND SCALABILITY**

**OPEN-PLATFORM ARCHITECTURE**

**LAYERED STRUCTURE FOR VERSATILE VIDEO**

**EXPRESSION**

# One central platform to support multiple applications

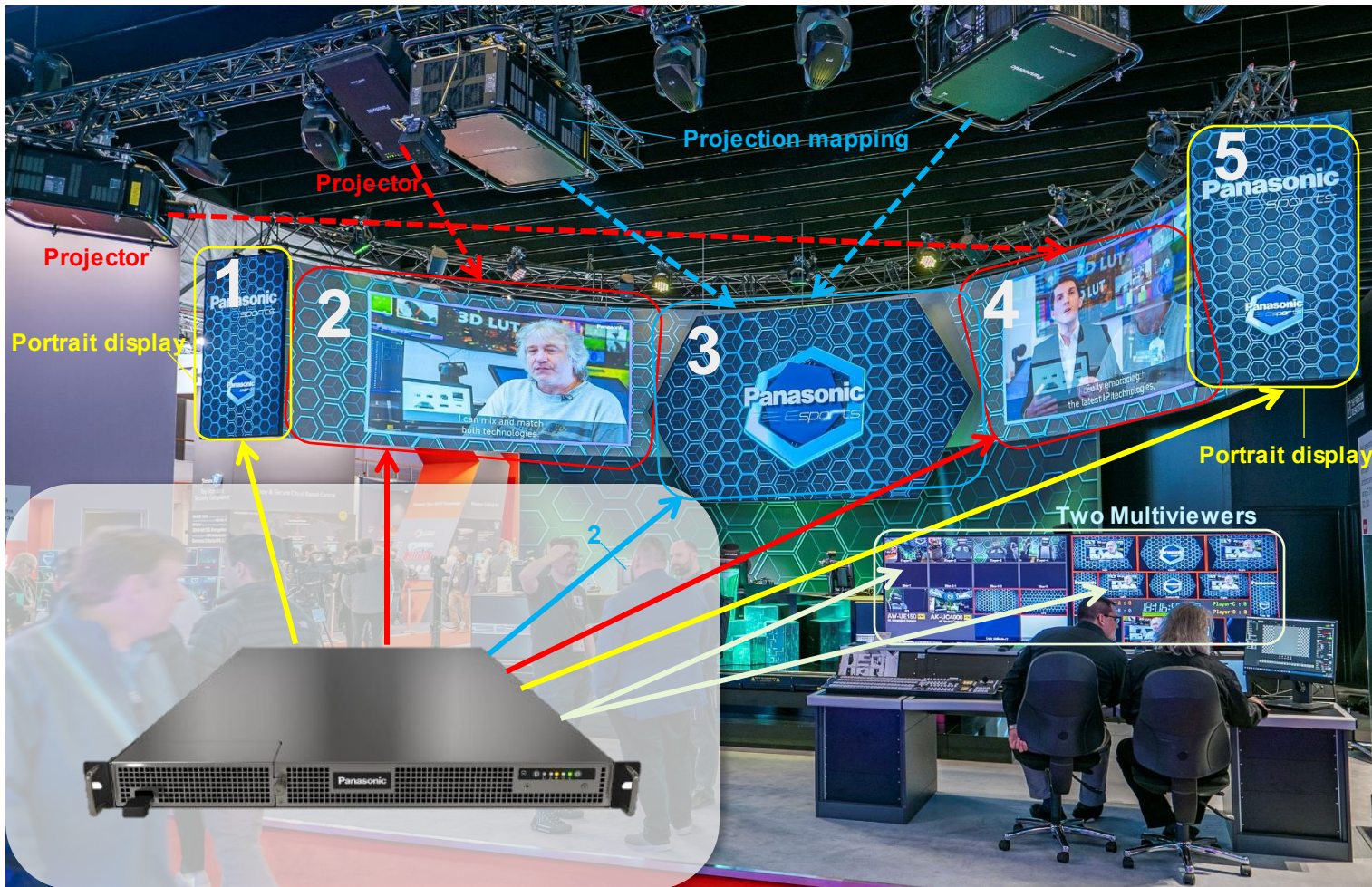


Increase investment & operational efficiency w/ function expandability and 3<sup>rd</sup> party collaboration



## Free Canvas Size for every Output and Scene

Example: ISE 2020



Thanks to Canvas option, Kairos can produce simultaneously different contents in different resolutions and aspect ratios, adapting to any display format.

In this example, Kairos was producing five different contents for two portrait displays, two projectors and a projection mapping.

Each content (scene) can be controlled individually, from a central place or from different control systems connected to the same server over IP.

All outputs can be monitored using the two built-in Multiviewers, which can be customized to reproduce the desired output format.

## RENTAL & PRODUCTION



## BROADCASTERS



## CORPORATE









talk situations



**Panasonic**  
**CONNECT**

The logo features the word "Panasonic" in white and "CONNECT" in light blue. The "C" in "CONNECT" is stylized as an infinity symbol. The background is dark blue with a grid pattern and a large light blue arc on the left.