

SONY

# Sony & Nevion novinky na NAB 2024

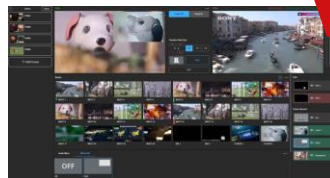
**Ludmila Javorkova & Gyorgy Moravszky**



# NAB 2024 Hot Products

## 1. NETWORKED **LIVE**

Software Switcher **M2L-X**  
stackable Live Production Switcher **MLS-X1**



**M2L-X**

From IBC



**MLS-X1**

High quality, ultra-low latency and low bitrate transmission with  
**NXL-ME80 Ver1.1**



**NXL-ME80 Ver1.1**

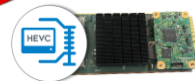
NEW

Point to Multi-point Contribution  
**Virtuoso with HEVC Option**



**Virtuoso with  
HEVC Option**

NEW



5G Wireless transmission with  
**CBK-RPU7** and **PDT-FP1**



NEW

5G



From IBC

**Portable Data Transmitter  
PDT-FP1**

**Remote production unit  
CBK-RPU7**

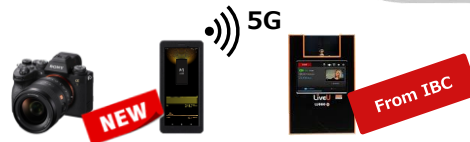
# NAB 2024 Hot Products

## 2. CREATORS' CLOUD



### C3 Portal

- Support of α (ILC) cameras, PDT-FP1, and 3<sup>rd</sup> party TXs



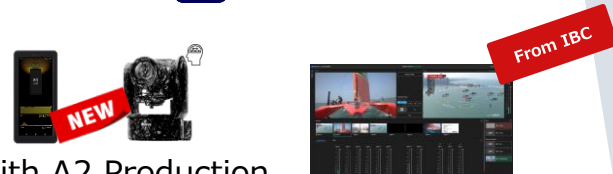
### Ci Media Cloud

- Expanded NLE integrations with Avid & Premiere



### M2 Live

- Support of PDT-FR1 and new remote camera BRC-AM7
- ISO recording, Instant Replay, and automatic highlights creation with A2 Production



### A2 Production

- Versatile graphics detection by AI Rule Engine Maker on live signals and files



### PWA-RX1 / PWAL-RX1ZY Software

- Software receiver for stable live streaming with Sony's QoS technology



# NAB 2024 Hot Products

## • 3. Imaging Products

### Live Production Camera

- **HDC-5500V/3500V** with Variable ND and 4K4x HFR capturing
- 4K upgradable portable camera **HXC-FZ90**
- Camera Control Network Adapter **CNA-2**

### PTZ and Remote Camera

- **Auto Framing** with **FR7 Ver3.0**
- New PTZ Camera **BRC-AM7**

### Cinema Camera

- Cinema Camera with unprecedented mobility **BURANO**
- New released **Version3.0 of VENICE 2**



HDC-5500V



HXC-FZ90



CNA-2



BRC-AM7



FR7



Auto Framing



VENICE2 Ver3.0



BURANO

# NAB 2024 Hot Products

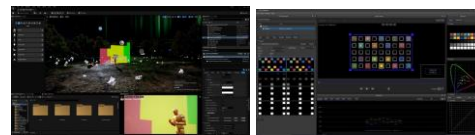
## 4. Virtual Production

Crystal LED **VERONA**. Flexible installation and high picture quality for virtual production.

**Virtual Production Tool Set Version 2.0**



**VERONA**



**Virtual Production Tool Set Ver2.0**

## 5. Professional Monitor

4K TRIMASTER HX Master Monitor **BVM-HX3110**

32, 24, 18.4-inches 4K TRIMASTER™ High Grade Picture Monitor Version 5.0



**BVM-HX3110**



**PVM-X3200/X2400/X1800 Ver5.0**

## 6. Pro Audio

Expandable **DWX adapter** for the DWR-S03D digital slot-in wireless receiver, designed to fit in mixer bags for ENG/EFM application.

Slot-in  
Receiver  
**DWR-S03D**

Adapter  
**DWA-F03D**



**SONY**

# PTZ Camera

Simplified  
LIVE &  
STREAMING





# BRC-AM7

Release: Early 2025 (tbc)



## Excellent image quality

Exmor RSTM™ x BIONZ XR™

- 1.0-type CMOS Exmor RS sensor

4K60p / HDR

- Immersive viewing with broad dynamic range, and wide color gamut.

Newly designed lens block

- Optical zoom 20x

Built-in Variable ND Filter

- Seamless ND adjustment with Sony's electronically controlled ND filter

## Cutting edge AI PTZ Auto Framing

Unique built-in AI

- Automatically track aimed person consistently and naturally frame for comfortable viewing, regardless of posture and movement.

Accurate AF tracking

- Focal plane phase-detection AF enables consistently accurate AF tracking.

Next-Gen PT mechanism

- Wide range of PT speed (0.004~180deg/sec) and quiet (NC25 or less)

## System interoperability for professional workflow

Seamless multi-camera operation

- Color matching with HDC/Cinema Line [ITU709/709tone,S-Cinetone™,S-Log3]
- Compatible with RCP/MSU in production systems [S700PTP]

Installation freedom & flexibility

- Compact and lightweight body
- Standard 1/4-20 UNC screw socket and 3/8 screw socket

Versatile I/Fs and protocols

- Variable output I/F [12G-SDI + 3G-SDI+HDMI, IP, SFP slot]
- Recordable with dual media slots [CFEX-A /SDXC]
- Meet de facto standard [4p XLR-DC12V, Audio 2x3p XLR, TC IN, Genlock]

Effective Production

- Support IP streaming [RTSP, NDI|HX™, SRT, RTMP(S)]
- free-d compliant real-time camera tracking data output over IP

# SRG Cameras – SRG-A40/A12



## SRG-A40 / SRG-A12 PTZ Auto-framing camera with AI analytics

### Target Applications for Media:

- Reality shows
- Web radio stations
- Small studio production

### Key features:

- Built-in AI PTZ Auto-Framing technology
  - Automatically tracks with Pan, Tilt and Zoom movement regardless of the person's posture, movement, or wearing
  - Natural framing that maintains a comfortable angle of view (Full body, Waist, Close-up)
- Built-in 4K lens
- Powerful zoom up to 40x with Clear Image Zoom (SRG-A40)
  - 1/2.5" Exmor R CMOS
  - 2140 (4k) 29.97p, 1080 (FHD) 59.94p
  - 20x optical zoom / 30x (4K w/ CIZ) / 40x (HD w/ CIZ) / 80x (HD w/ Tele Convert Mode) (SRG-A40)
  - 12x optical zoom / 24x (HD w/ Tele Convert Mode) (SRG-A12)
  - NDI Hx available (option license)
  - SDI / HDMI / IP output
  - POE++



# ILME FR7 new firmware Version 3.0



## AI PTZ Auto Framing By FR7 Ver.3 firmware upgrade

- **Free-d protocol support for VR/AR**
- **Improve/Enhance Position Presets**
  - **Adjustable Zoom/Focus speeds**
  - **PTZ Sync** (Synchronized transition of pan/tilt/zoom)
  - **PTZ Trace Memory** (Record/Playback of pan/tilt/zoom moves)
- **Clip Naming with Cam ID & Reel Numbers**  
(same as FX9) \*Netflix PTA Requirement
- **Cine EI Quick, Flexible ISO modes** (same as FX3)
- **Zoom control with external lens control unit**
- **RTMP/RTMPS direct streaming support**
  - [New] **Add Base look "709tone"** which makes customers easy to set the color/gamma profile close to the system cameras.
  - [New] **Expand AF support in S&Q motion mode** (same as FX6 V4)
  - [New] **SDIRAW output available in free-d**



α  
ALPHA



# PTZ Auto Framing function



Framing mastery  
Go beyond your limits



SONY

5G wireless transmission

Simplified  
LIVE &  
STREAMING



# Product Concept



\* Please note that the available timing may differ in other countries

The portable data transmitter (Android OS based) allows **transfer of photos and videos** to FTP server / cloud storage via 5G and enables **live streaming**.



# Key Features



## 1. High speed with wide coverage

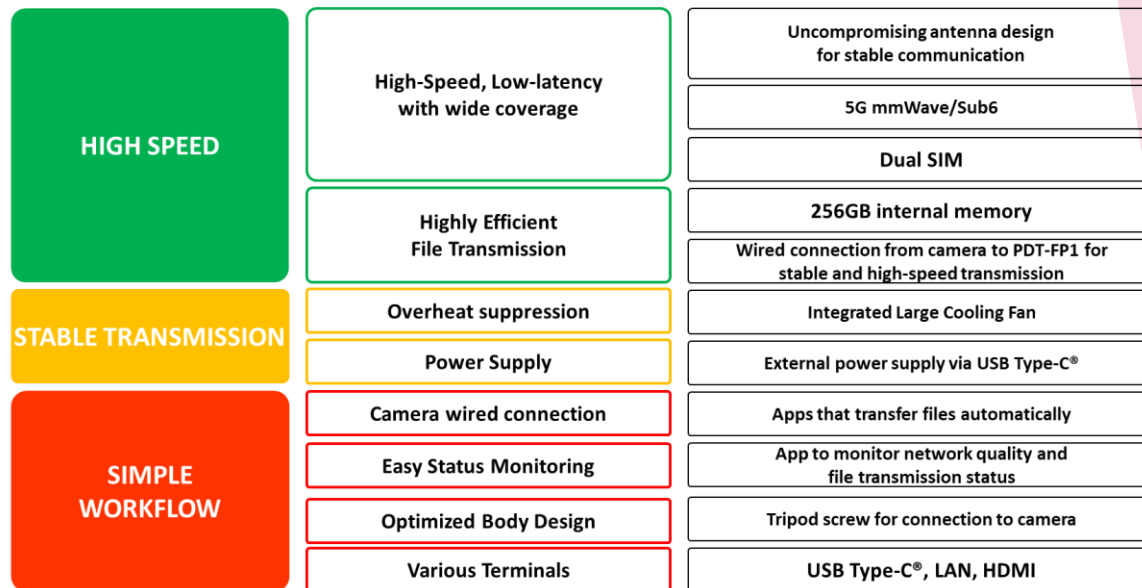
Optimized antenna design to enjoy 5G Sub6 & mmWave network performance with wide coverage

## 2. Stable communication

Built-in powerful cooling fan / Power supply via USB Type-C®

## 3. Simple Workflow with Sony Cameras

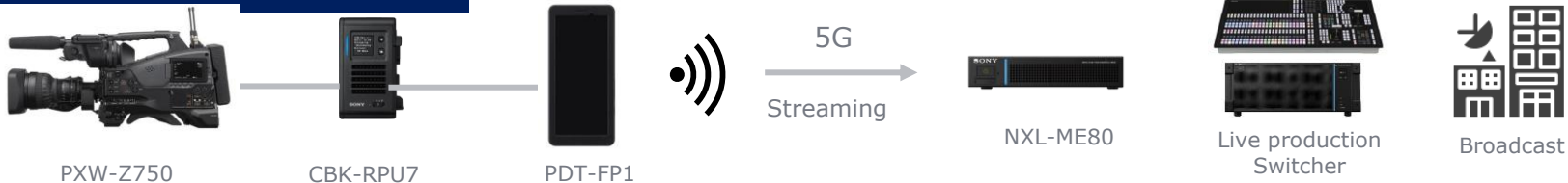
Pre-installed apps & hardware design enable simple workflow as a dedicated data transmitter



# Use cases for Broadcast



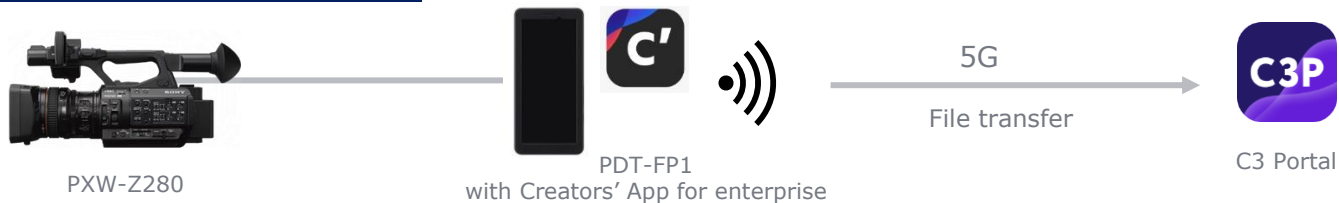
## #1 : 5G Livestreaming (available after 2024 spring)



## #2 : 5G Livestreaming to cloud (M2L)



## #3 : 5G File transfer (C3P)





# NXL-ME80 – V1.1

UPDATED

Compression



## Increased Capacity

- LAN WAN Media Edge processor gateway with HEVC
- SDI/ IP ST2110 compatibility
- Up to 16ch of Audio for High density HD mode
- High Density HD Video in Ultra Low Latency

## Additional Resolution

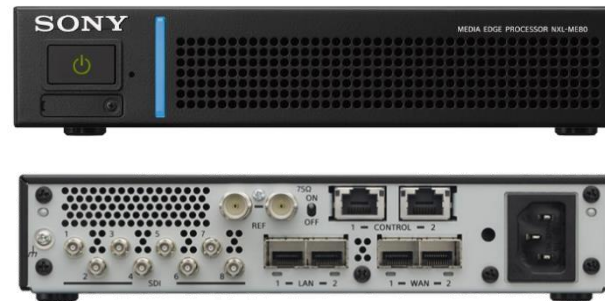
- Support for DCI 4K at 23/24P

## Enhanced Workflows

- Support for RPU7 in wired and wireless applications

## Control

- Dedicated Driver in VIP
- Available API (From E/April)
- Enhanced Web controls



# CBK-RPU7



Compression



## High performance Device

- Best in class Picture Quality
- HEVC 4K/HD remote production unit
- Leading Latency Performance



## Optimised for 5G wireless workflows

- Compatible with PDT-FP1
- 5G Network Control Technology

## Practical workflow Support

- Return Video (Future update)
- Remote shading (Future update)



A man and a woman are shown in a dark environment, illuminated by a strong green light. The man, on the left, is looking towards the right. The woman, on the right, is looking directly at the camera with her hands clasped. The background is filled with faint, glowing green digital patterns, including lines of code and circular motifs. The overall mood is high-tech and futuristic.

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# Nevion Virtuoso at NAB 2024

Live Your Vision

Confidential

# Virtuoso RPRO mixed Analog/AES3/GPIO audio solution

NEW

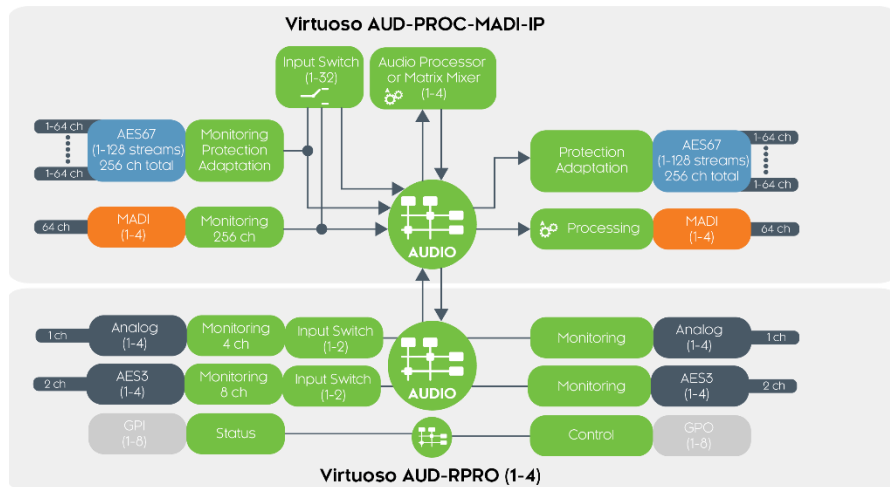
Audio Processor



RPRO adapter



Connector panel

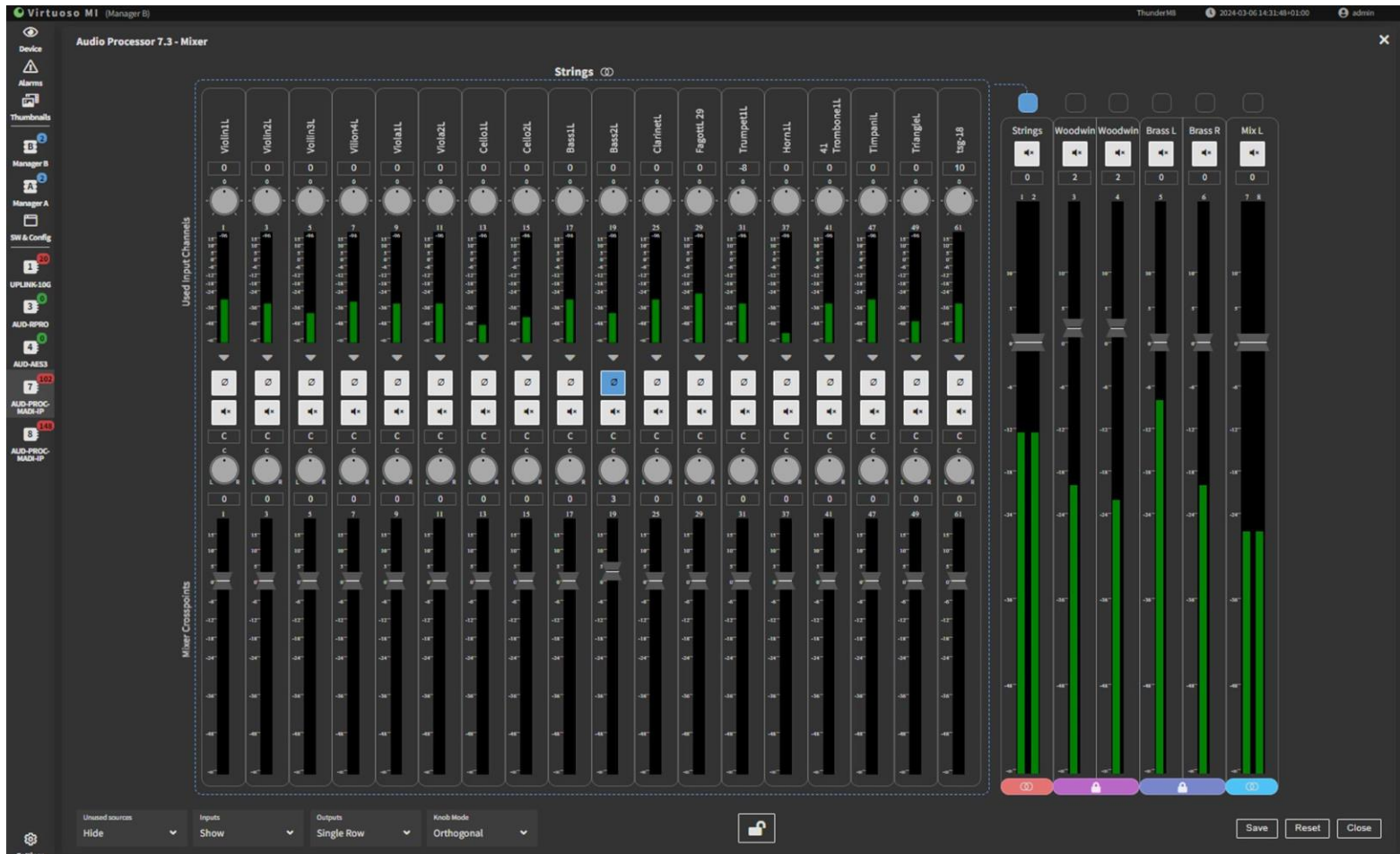


## RPRO mixed audio adapter

- 4x Analog bidirectional audio (4x 4-wire)
- 4x AES3 (flexible direction, input or output)
- 8x GPIO (flexible direction, input or output)
- 2x analog sync out (Analog video black or tri-level)
- AES3 ports available for word clock sync i/o
- 37 pin DC connector (female)

## Passive connector panel BNC (optional)

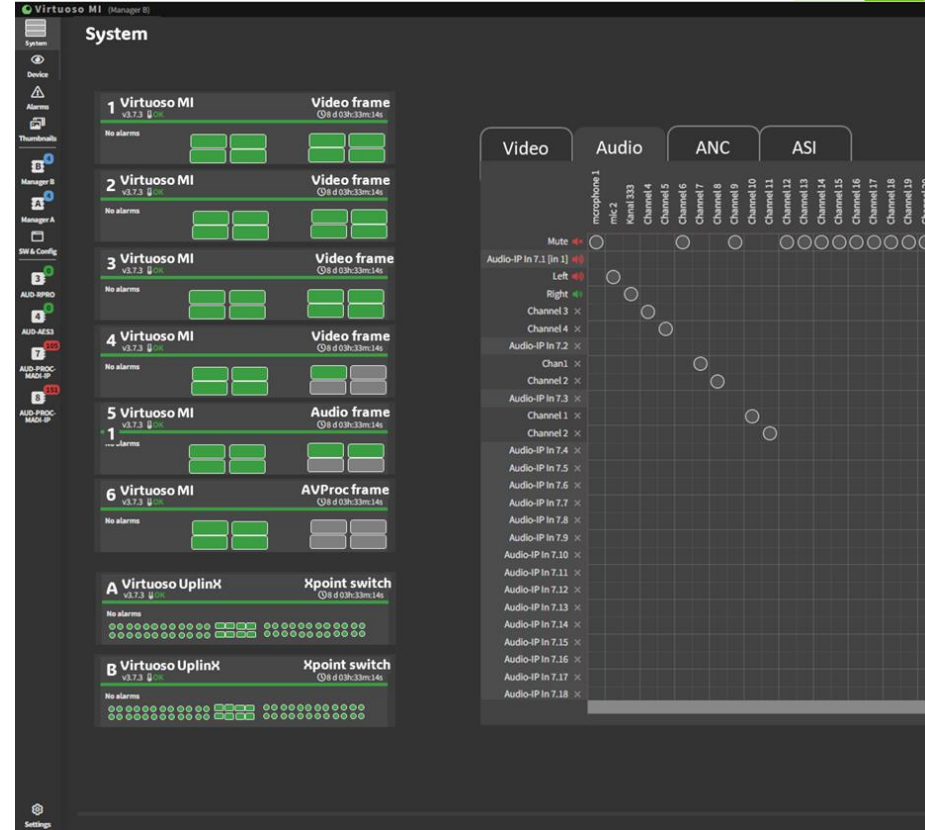
- 4 input + 4 output Analog audio
- 2 input + 2 output AES3 audio
- 8x GPIO + 2x BNC for sync
- 37 pin DC connector and cable connects to module



# Virtuoso UplinX (100G)

NEW

- Nevia is enhancing the Virtuoso with highly scalable 100G aggregation
- Virtuoso UplinX provides:
  - Scalability – up to 8 connected Virtuoso frames
  - High-capacity - up to 8x 100G interfacing (in single or redundant mode)
  - Unified management from the Virtuoso UI
  - Support for IGMP or SDN networks
- Virtuoso UplinX offers highly cost-effective 100G aggregation
  - Comes in two variants UplinX4 and UplinX8
  - Ships with all internal physical connectivity
- Future proof path towards 400G interfacing





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# Nevion VideoIPath at NAB 2024

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# VideoIPath Operate



## Connection preset

- Able to preform matrix preset store and recall
- Easi to do recall of connection for parts of the system

## Parameter control

- Adjust parameters with fader, rotary or buttons
- Supports Ember+ and SNMP

## Panel (Operate) app updates

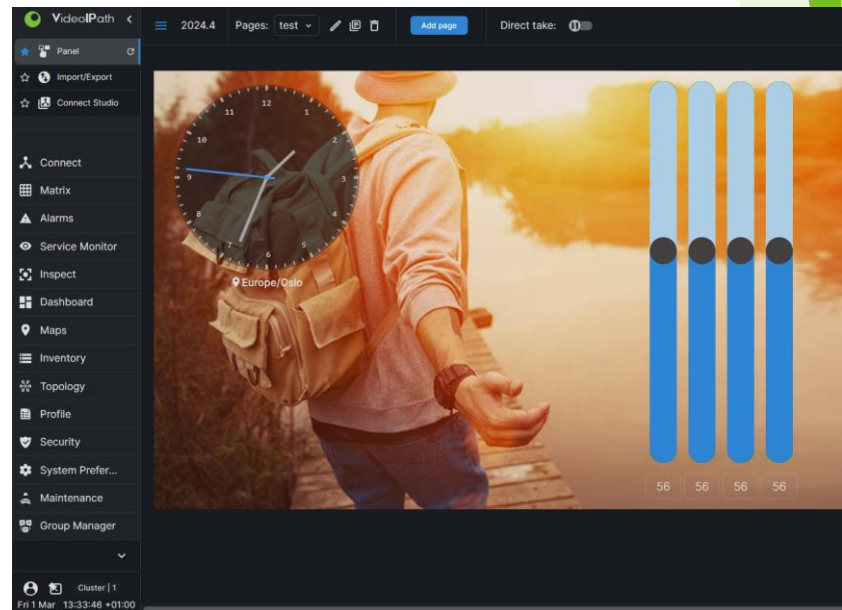
- Operate app rename to Panel app
- Support for transparent color
- Show used color on page
- More customization on look and feel on buttons

## Quick edit in Connect studio

- Change endpoints name, description and tags directly in Connect studio

## Groups editing

- Create, edit and delete groups and groups schema.



# VideoIPath Orchestrate

NEW



## Legacy north-bound matrix interface support

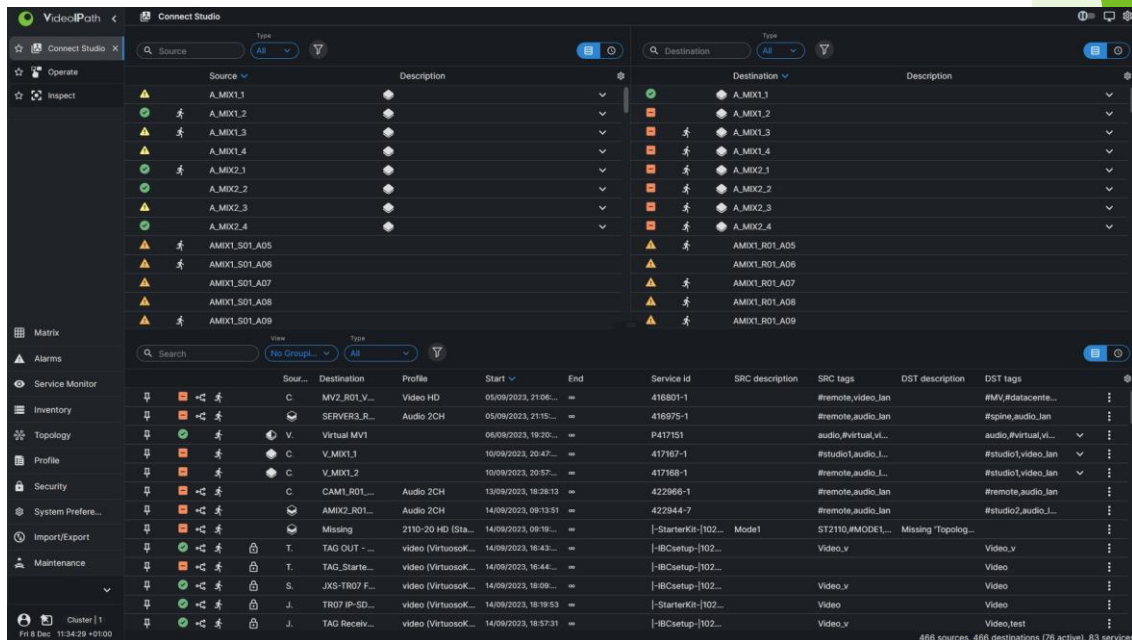
- Probel SW-P-08
- Evertz Quartz
- Imagine LRC protocol

## Destination monitor

- Support for linking destination together

## Driver updates

- Nevion Virtuoso RE
- Sony NXL-ME80
- Sony MLS-X1
- See release info for third-party devices



# VideoIPath Monitor



## Panel (Operate) app updates

- Operate app rename to Panel app
- Virtuoso thumbnail support in Operate

## Timeline view in Connect Studio

- Present, current and future connection in a timeline view

## Multicast flow loss for Cisco Catalyst

- Monitor's bitrates on flows and create an alarm

## Grafana/Prometheus integration

- Grafana/Prometheus stack is installed with the system for complementary metrics

