



SMART Informatix

BROADCAST AND MEDIA SYSTEM INTEGRATION

ABEX - Post IBC 2022

Tomáš Veselý



Novinky a partneři na IBC 2022

Co nového v Amsterdamu?



Co nového v Amsterdamu?



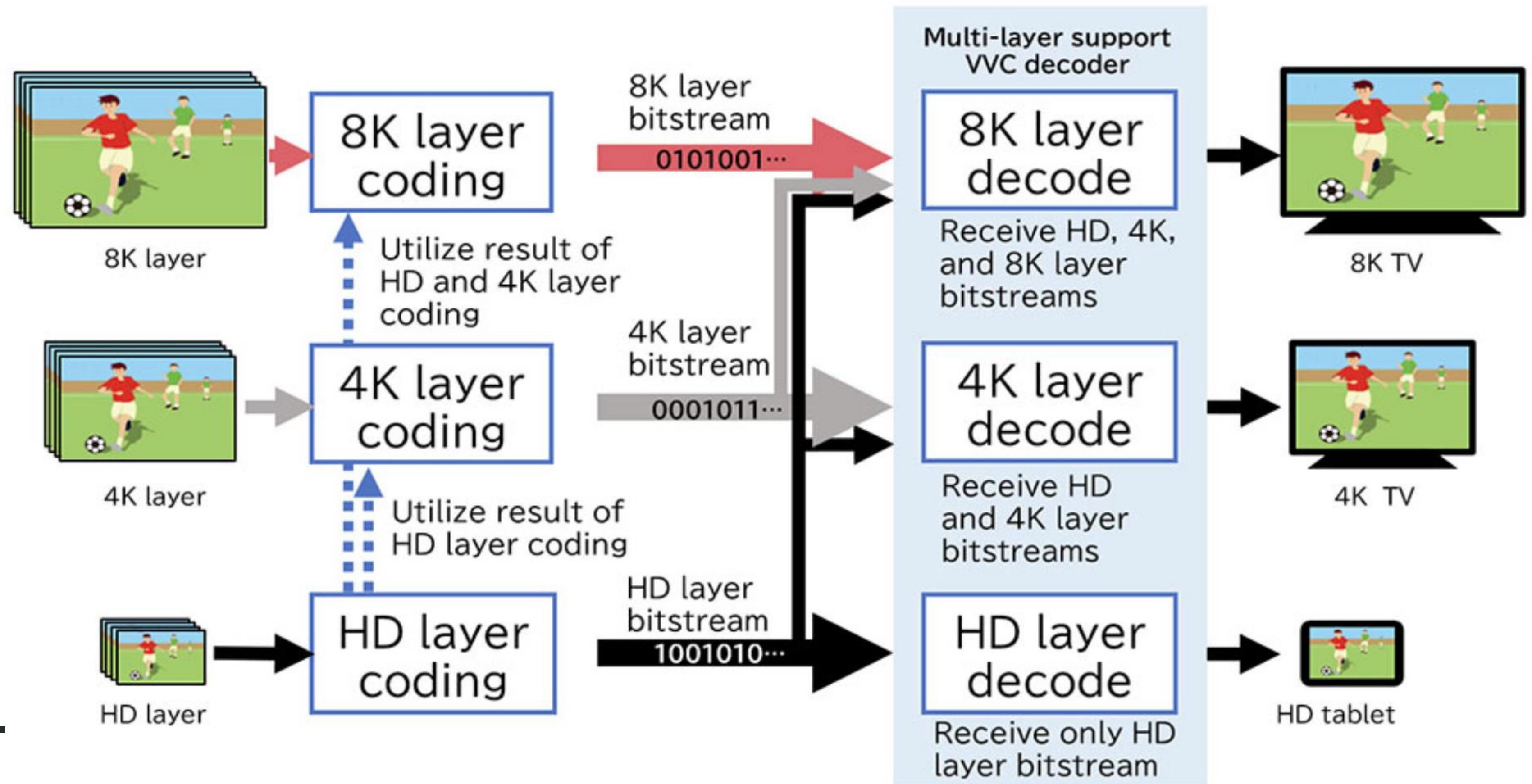
Multi-layer coding VVC/H.266



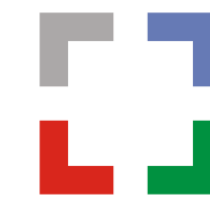
8K layer 25 Mbps
4K layer 9 Mbps
HD layer 1 Mbps

Display resolution:
1080p, 2160p, 4320p

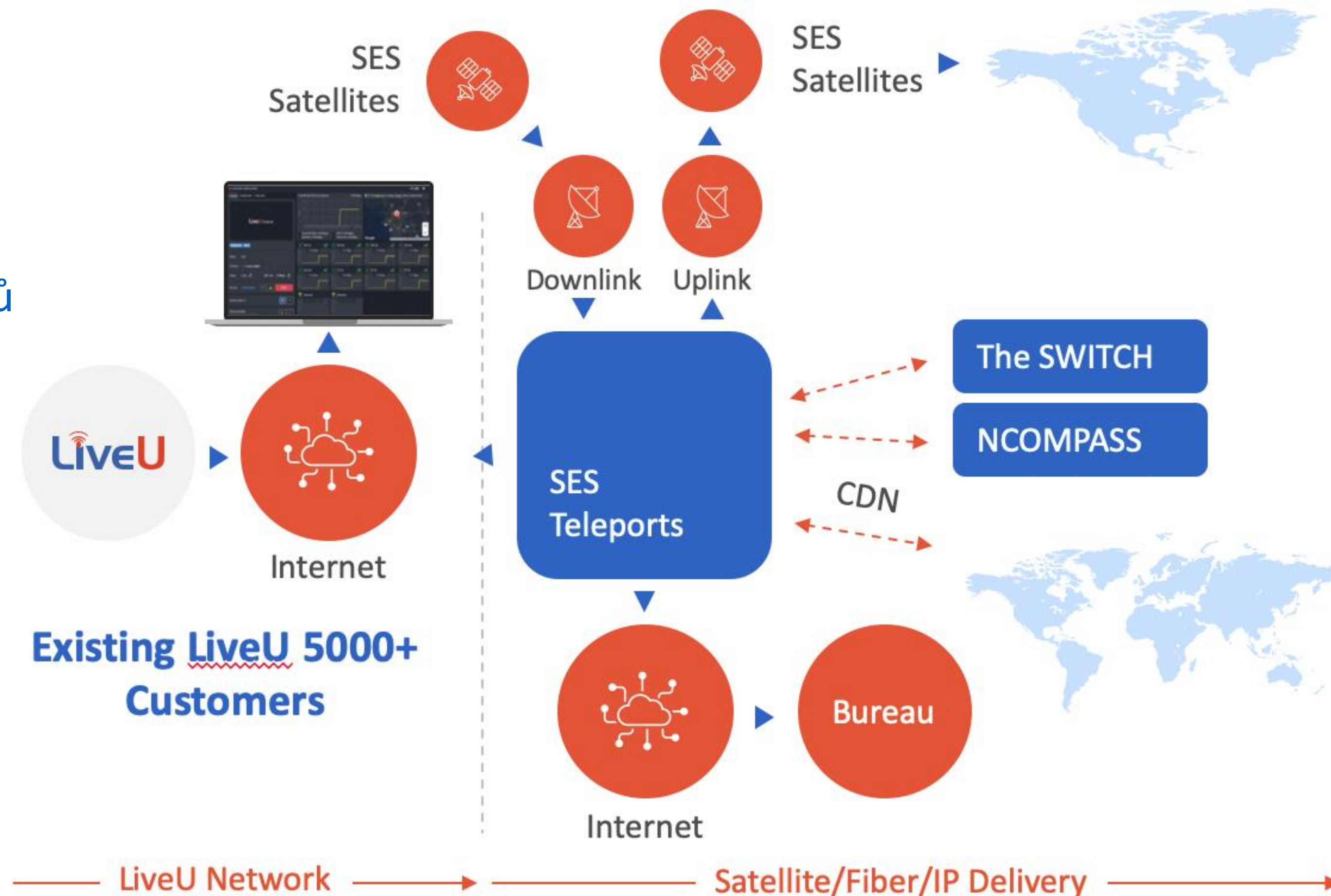
Frame rate [Hz]: 60 – 120



Three-layered coding



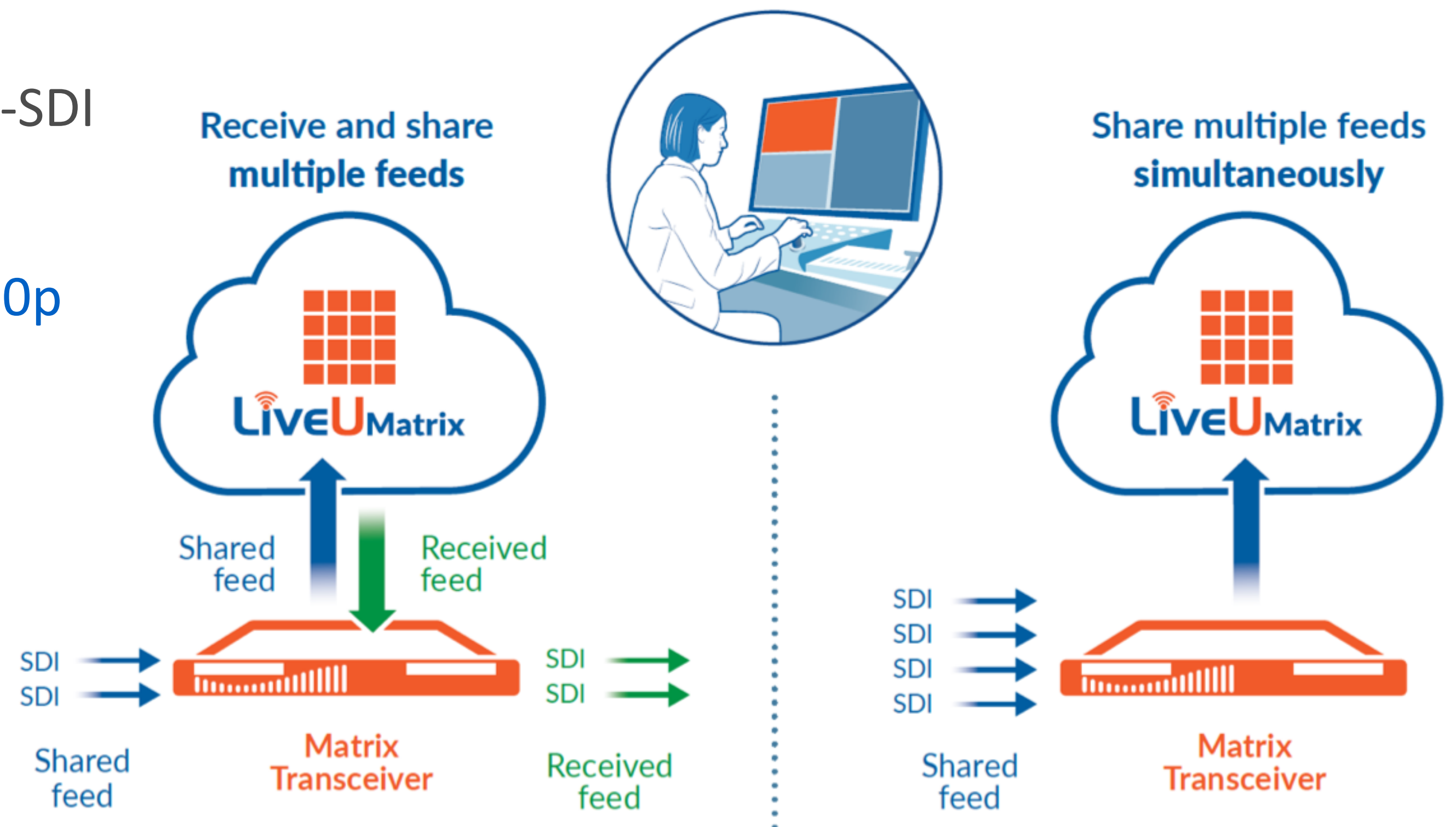
- agregace obsahu přes LiveU Matrix
- rozšíření distribučních cest přes SAT
- náhrada nebo backup SNG při kontribuci
- SES denně distribuuje až 1600 feedů/streamů





DYNAMICALLY ALLOCATE SDI INPUT/OUTPUT PORTS

- Flexible in/out SDI interfaces: 4 x 3G/HD-SDI
- HEVC based encoding/decoding
- Supported Resolutions: 720p/1080i/1080p
- Live only – up to 80Mbps (20Mbps per channel)
- Hybrid: SAT & cellular uplink
- Fixed internet connection only

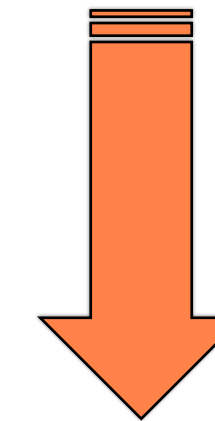




LU810-M/610S – A 1U multi camera 4K contribution encoder

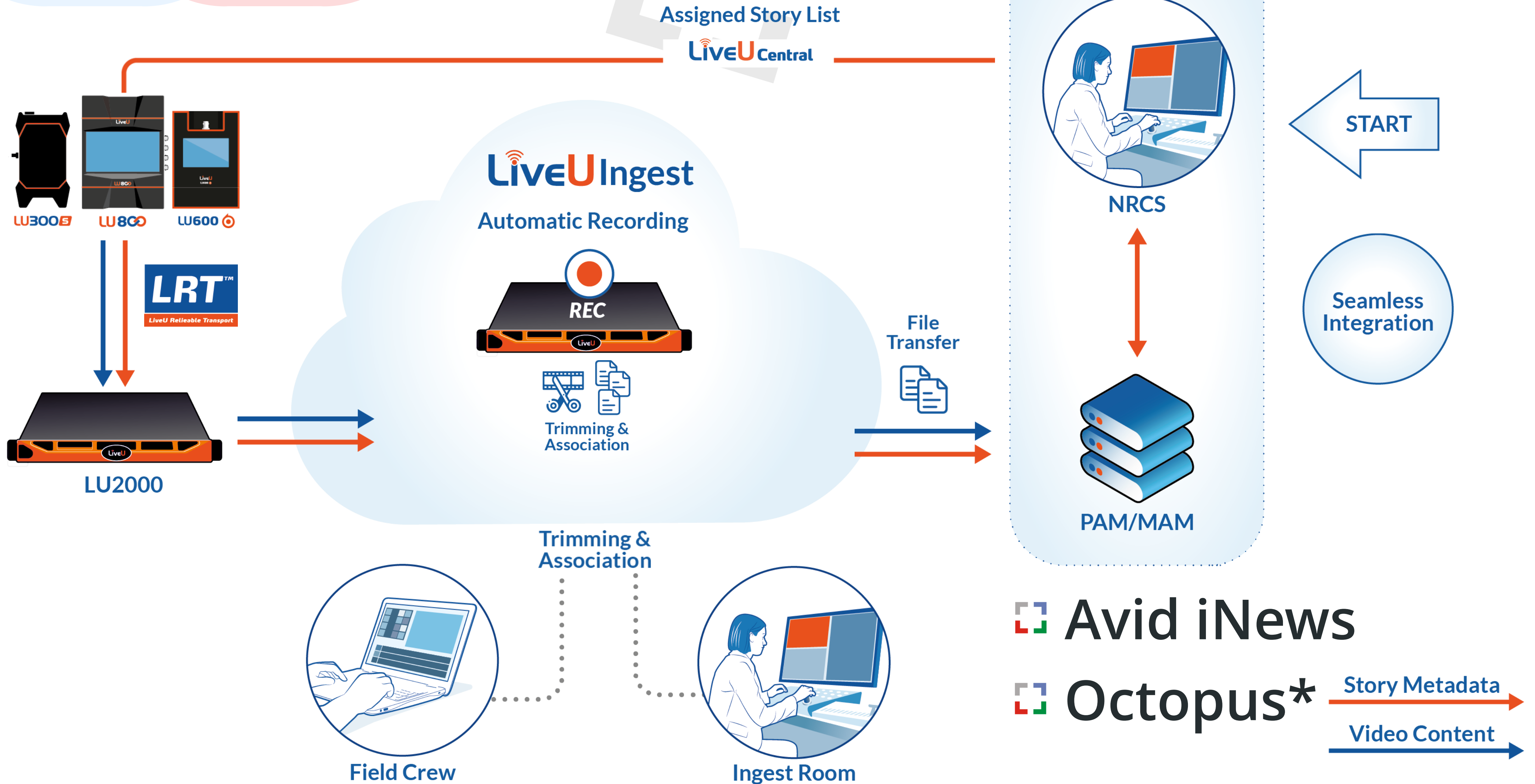


- **Synchronized multi-Camera:** 1x 12G + 3x 3G/HD/SD-SDI
- 6 5G internal modems, 2 LAN, WiFi
- **Full HD** (up to 1080p60) or **UHD/4K** (up to 4Kp60), 10-bit HDR
- Live bandwidth – up to **60Mbps**
- **Hybrid:** SAT & cellular uplink
- Enhanced field-studio communication: **Video Return, Tally Light, Audio Connect, Video Return**





LiveU - NRCS integrace





Encoding & Processing



Production & Playout



Contribution & Distribution



Management System



NMX
NETWORK MANAGEMENT SYSTEM



DMS
VIDEO DISTRIBUTION MANAGEMENT SYSTEM



Harmonic - novinky



- 📺 SaaS a Cloud řešení – VOS360
 - Streaming, Playout, Delivery
 - XOS Media Procesor
- 📺 Media Studio, Media Studio Ingest
- 📺 Router support
- 📺 Poslední verze Spectrum V9.6
 - Zvýšení zabezpečení platformy
 - HTTPS, certifikáty
 - Od 9.6.1 NDI Key/Fill, Dolby profily
- 📺 Spectrum SW Ingest a základní Playout
- 📺 VM nebo Bare Metal Install – 2110 nebo NDI
- 📺 Video IO karty třetích stran



SIMPLE & VERSATILE OPERATIONS

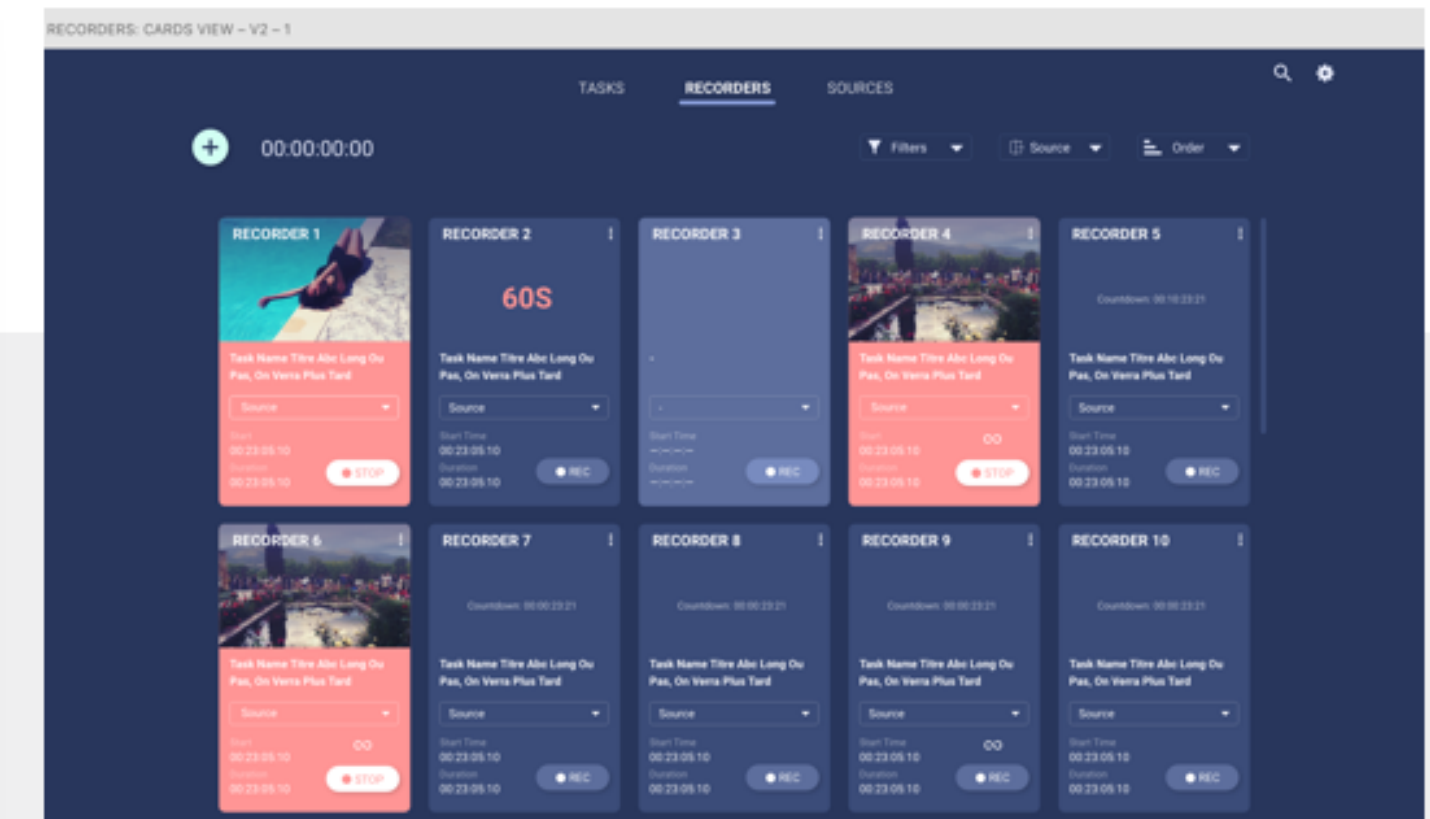


- Operate and control your Spectrum playout system with one customizable, multi-function application.
- Graphics, audio and MCS control.
- Runs on a Windows 10 PC (minimum 8 Gb of RAM)

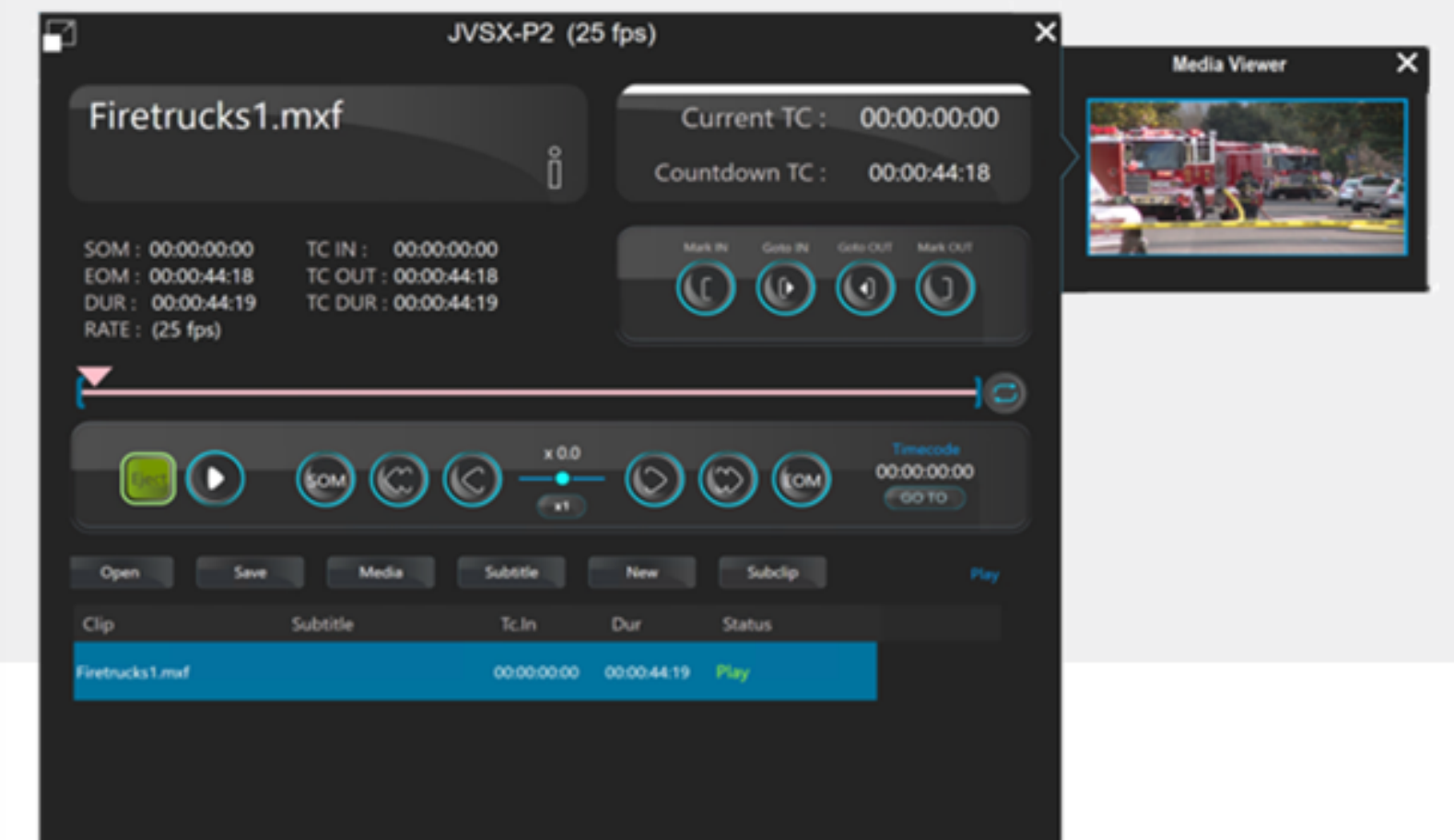
MANAGE YOUR WORKFLOWS FROM ANYWHERE



- ACCESS Touchscreen compatible
- FLEXIBLE PLAYLISTS Single player or multiplayer playlist control.
- EDIT SUBTITLES Live subtitle operations, preview and edit subtitle files.
- RECORD CONTROL Crash and simple schedule record control.
- CIAB CONTROL Manual control of GFX, Mixer and Audio profiles.



INGEST



PLAYOUT



harmonic

VOS360 CUSTOMERS & APPLICATIONS

WEAR TV STREAMING



sky

VOD



bouygues TELECOM

LIVE EVENTS



peacock

SSAI & VARIANTS



Bally SPORTS


CHANNEL ORINATION



ID	Type	File	URL	Source	Encoder	Res	Bit
1	MP4	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p
2	MP4	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p
3	MP4	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p
4	MP4	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p
5	MP4	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p
6	MP4	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p
7	MP4	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p
8	MP4	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p
9	MP4	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p
10	MP4	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p	1080p_1080p_1080p_1080p

NewsmaxTV

FAST



SAMSUNG TV Plus **xumo**
pluto tv **Roku Channel**
KATZ NETWORKS

BROADCAST

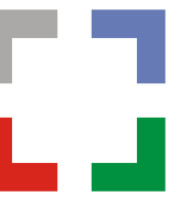


DIRECTV

CLOUD DISTRIBUTION



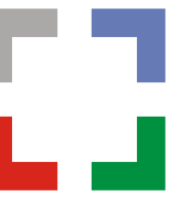
NBC



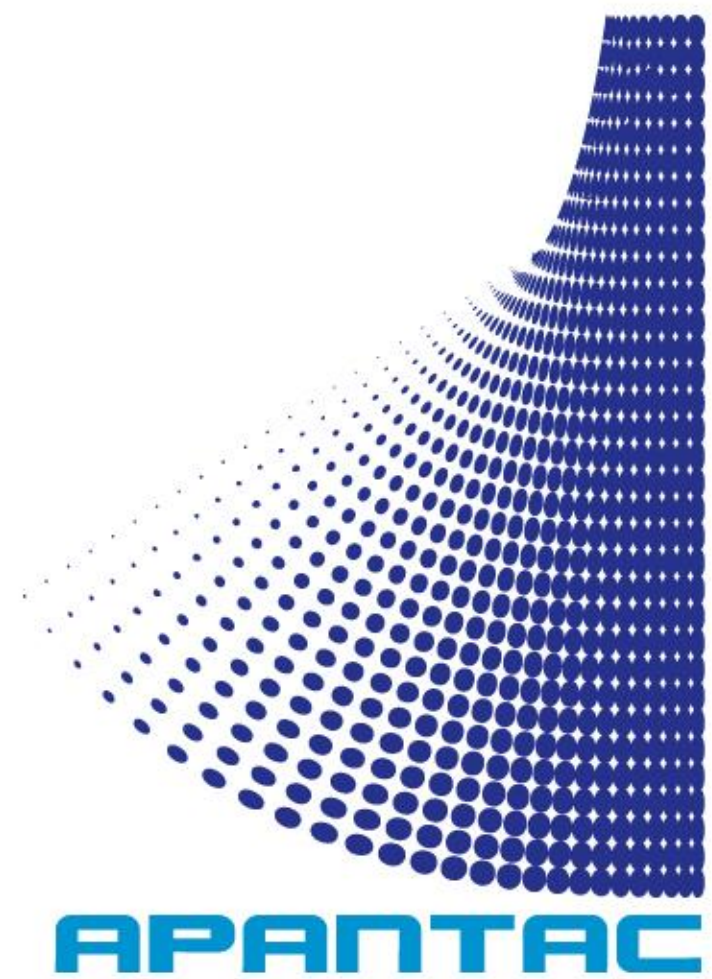
Grass Valley - novinky

- ❑ Kompletní demo platformy AMPP (posun od NAB)
- ❑ Public Cloud nebo on-premise (konektivita)
- ❑ Kromě SDI, 2110/2022 i podpora NDI 5
- ❑ Více HW na stánku
- ❑ Produkty s označením X (Alchemist, Live Touch, K-Frame, Audio Mix, Elastic Recorder, Playout, Masterpiece...)



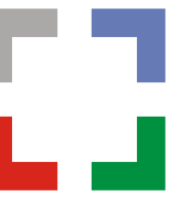


Apantac - SDM



- SDM – Smart Display Module - rozhraní pro monitory, vývojový a hw partner je Intel
- aktuální podporou od Panasonic, NEC-Sharp, Leyard, Iiyama, Philips, Neovo...
- Varianty rozhraní – 12G SDI, 12 SDI quad split, NDI, NDI quad split, SM fiber SDVoE, UHD HDBaseT...již asi 10 typů karet





dalet Dalet - novinky


- Dalet Pyramid – Rozvoj Cloudové platformy **pro Newsroom, Webový klient** – pro centrální plánování – **Pyramid Planner**, remote cloud editing - **Pyramid Cut**
- jednoduchý upload a kontribuce – integrace s „batohy“, podpora mobilních klientů
- Postupný přechod na SaaS & Subscription

Dejero LiveU AVIWEST
Shaping tomorrow's live video

SRT ALLIANCE SECURE RELIABLE TRANSPORT RTMP DASH/HLS



Q4/2022



Centralized Planning
Kanban-based news planning
Multi-platform, multi-site
Storytelling 360 approach

Pyramid

Q1/2023



Remote Editing
Edit
Fast
Anywhere

Pyramid

Q1/2023



Digital Production
Fast-paced digital production with support
for multiple aspect ratios and digital
graphics, social media friendly



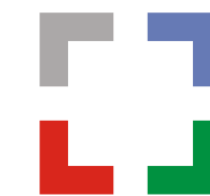


Novinky u Riedelu



- akvizice SDNsquare
- akvizice SimplyLive

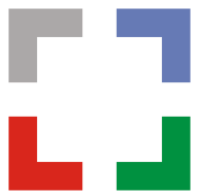




Novinky u Riedel

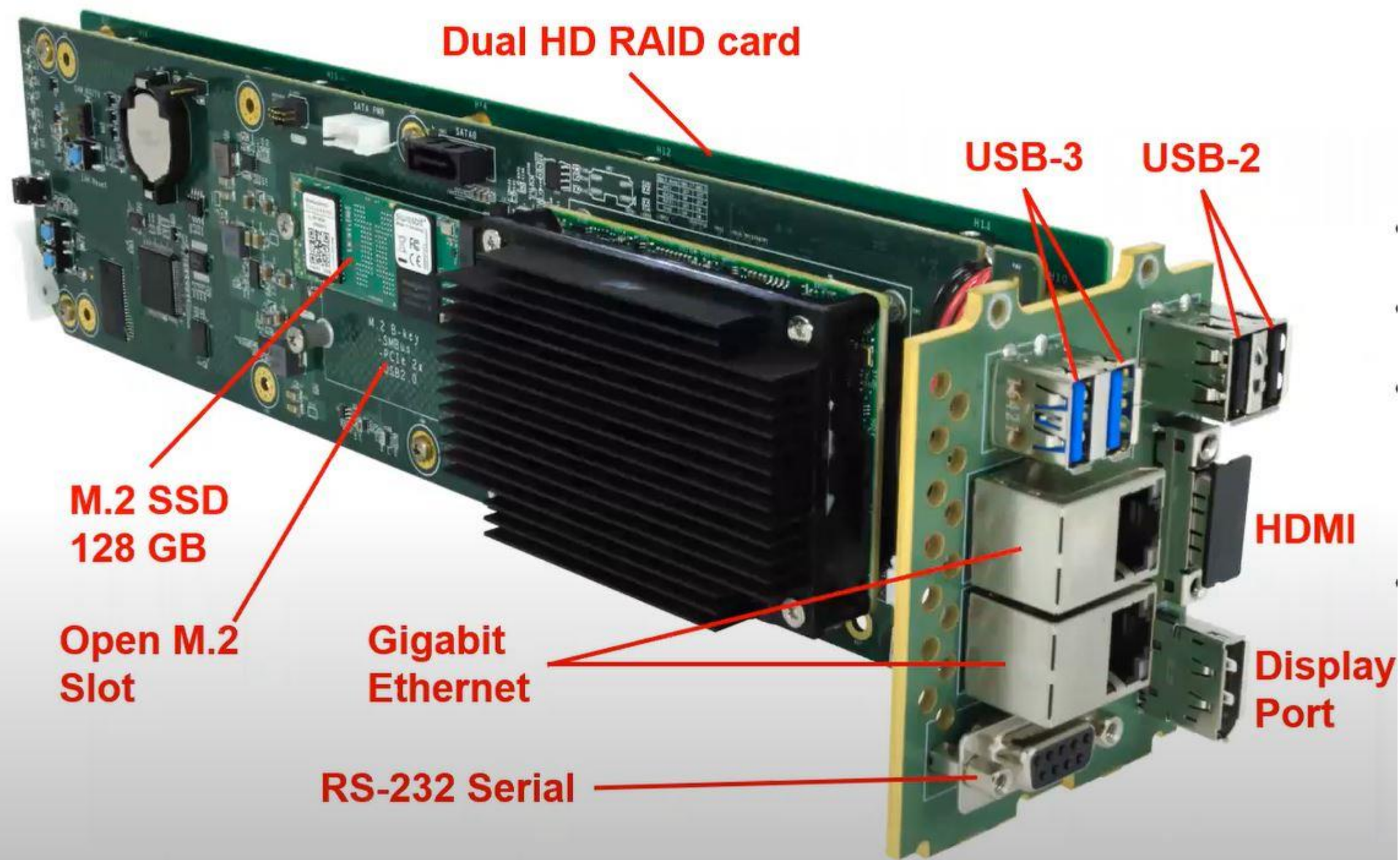
- Audio monitoring app for 1200 series SmartPanels
- Bolero 2.4 GHz





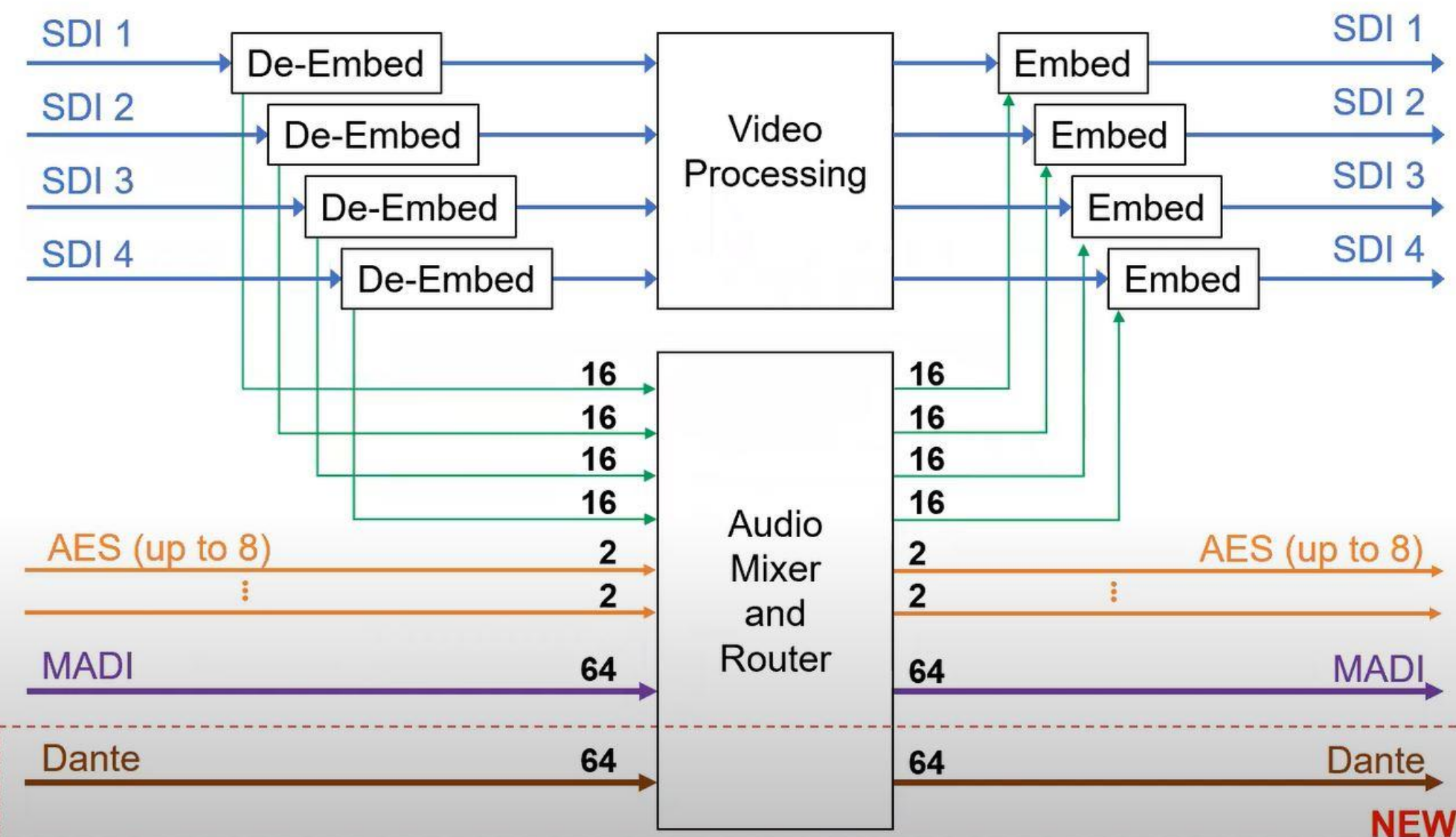
Novinky u Cobalt Digital

Features



- modulární PC pro openGear
- 4-kanálový signálový procesor

9905-MPx Dante Option





Naše akce 2022



Riedel roadshow 2021-22

Česká televize

Český rozhlas



The logo for 'AKCE' features a stylized square composed of four L-shaped corner pieces, each with a different color (grey, blue, red, green). The word 'AKCE' is written in red capital letters in the center of the square.

AKCE

The logo for 'SMART Informatcs' features a stylized square composed of four L-shaped corner pieces, each with a different color (grey, blue, red, green).

SMART Informatcs
BROADCAST AND MEDIA SYSTEM INTEGRATION

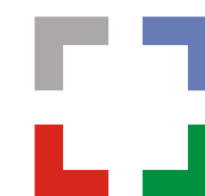
vás zve na

SMART DAY

19. 10. 2022

konferenci představující novinky
ze světa technologií pro broadcast

Karlovo náměstí 19, Praha 2



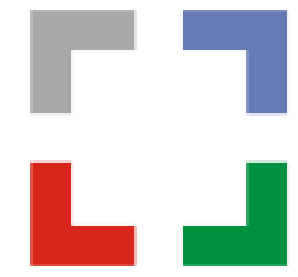
SMART DAY 19.10.2022



AKCE

DELL Technologies





SMART InformatICS



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