

IPMX Marketing and Communications Update

February 2025

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AIMS – Board of Directors

AIMS - Chairman of ProAV Working Group

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### Agenda

- Quick re-cap on market demand for IPMX
- ➤ AIMS-sponsored IPMX training under construction
- ➤ Use of IPMX Trademark on products (work-in-progress)
  - ➤ AIMS / VSF / AMWA collaboration on IPMX "Profiles"
  - ➤ VSF IPMX Activity Group developing test plan for IPMX profiles
  - Minimum requirements for use of IPMX trademark on products
  - ▶ IPMX product labelling
- ➤ NAB 2025 a major increase in Pro AV coverage
- Equipment update



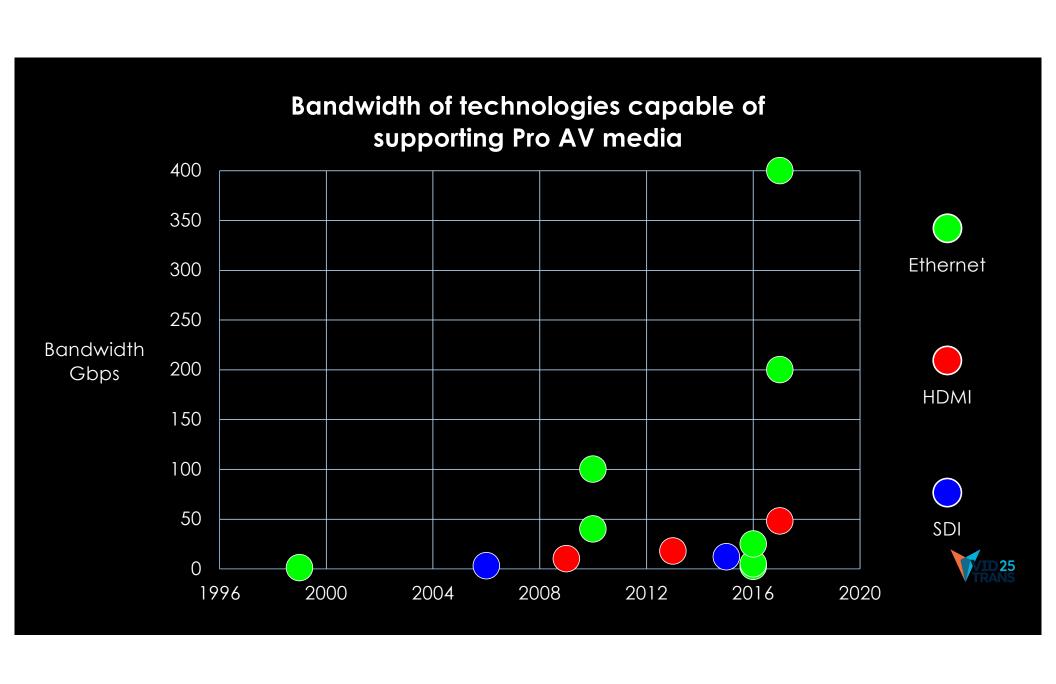
## **IPMX Demand**



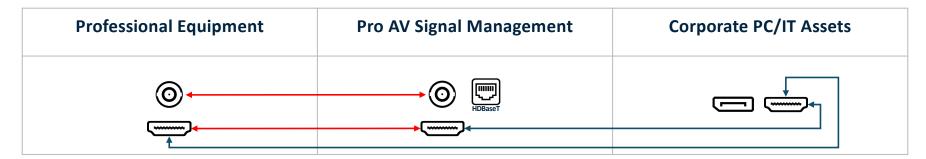
#### **Market Demand for IPMX**

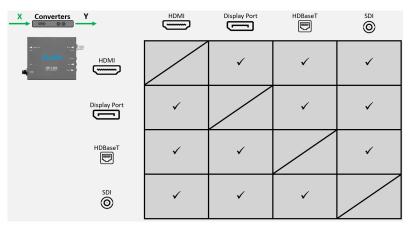
- ➤ To some ... IPMX is a helpful related set of open specifications to their ST 2110 systems
  - > Adding a privacy key exchange mechanism
  - > Adding a HDCP key exchange mechanism
  - > Etc.
- ➤ To some ... "standardization" is a necessity for Pro AV signal management infrastructure and IPMX is currently the only vehicle
- ➤ To some ... IPMX is a necessary bridge between asset classes





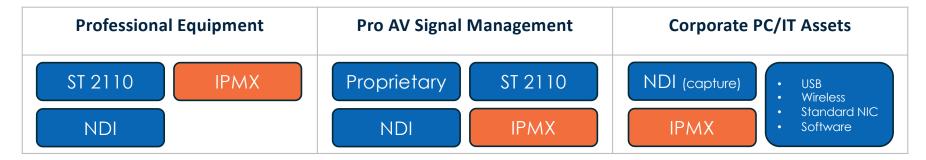
### Digital Media In Baseband Across Asset Classes

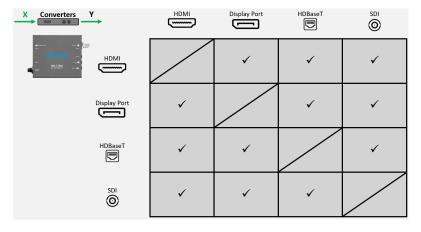




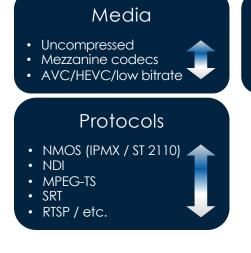


### Digital Media In IP





#### **IP-to-IP Converters**



#### Sync

- Extreme PTP
- Regular PTP
- No PTP



# **Training**



## **IPMX Training**

- **>** 2025
- ➤ Goal: free online



- > Partnerships between organizations (AIMS, VSF, AMWA, ...)
- > Partnerships with trainers, consultants, etc.



## **IPMX Trademark**



#### IPMX TM Goals

- ➤ Clear description of mandatory features to be called "IPMX"
- ➤ Clear description of optional capabilities in IPMX
- Clear profiles (needed to assure interoperability of media)
- Clear labeling requirements
- Clear test plan (to cover profiles)
- > A mechanism to audit or render 'official' which products have met the requirements above





### **IPMX Profiles**

- ➤ Not static, evolves
- > Profiles are a baseline but products can, of course, add additional capabilities
- > A product must support (and pass tests for) at least one IPMX Profile to be called "IPMX"
- ➤ Target Profiles (so far)
  - > Uncompressed video profile
  - > JPEG XS video profile
  - ➤ HEVC (H.265) video profile
  - > AVC (H.264) video profile
  - Audio PCM profile
- > Additional tests will exist for
  - > JPEG-XS option for TCD (also known as FIP) profile for 4:4:4 media
  - Main 444 10 profile of HEVC



### **IPMX Capabilities**

- ➤ Not static, evolves
- > Capabilities are not mandatory but tests must be passed to use on labeling
  - ➤ Example: IPMX HDCP
- > Tests will exist to help with issue of interoperability
- ➤ Target Capabilities (so far)
  - ➤ HDCP (using the IPMX HDCP Key Exchange Protocol)
  - Privacy Encryption (using the IPMX Privacy Exchange Protocol)
  - ► HDR
  - ➤ USB (including RS-232 with USB, UART)
  - ► CEC

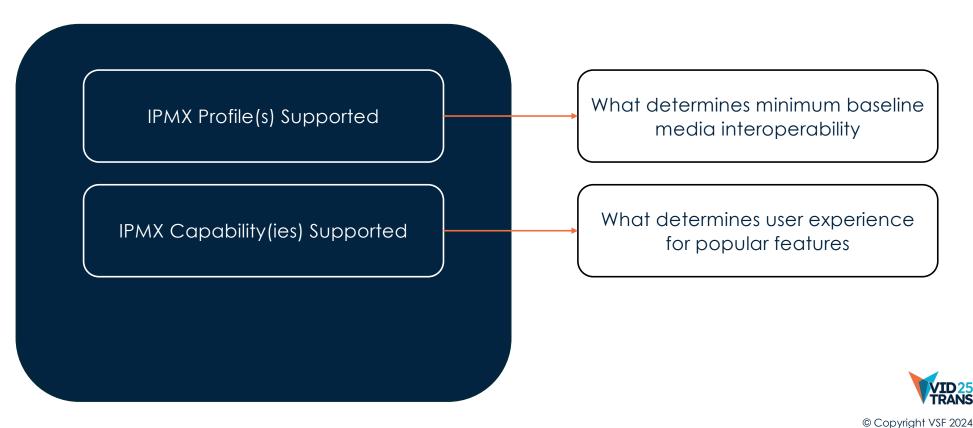


### **IPMX Interop**

- ➤ Next event in March (in a few weeks)
- > First provisional test badges
- > Stretch Goal to have final test plan for "Profiles" and "Capabilities" before IBC 2025
- > Stretch Goal is to have official IPMX test plan, audit plan, labelling system, use of TM by ISE 2026



## IPMX Labeling (to be announced after test plans are ready)



## **NAB 2025**



### **NAB 2025**

- ➤ "Significant" focus by the National Association of Broadcasters about Pro AV at next NAB
- ➤ IP ShowCase 20x20 booth (all interop demos)
- ➤ Tech Stage (10 presentations)
- ▶ 1,600 square foot room 3<sup>rd</sup> floor (West Hall)
  - Additional presentations
  - ▶ "Meet the experts" free time with representatives from AIMS, VSF, AMWA, etc.

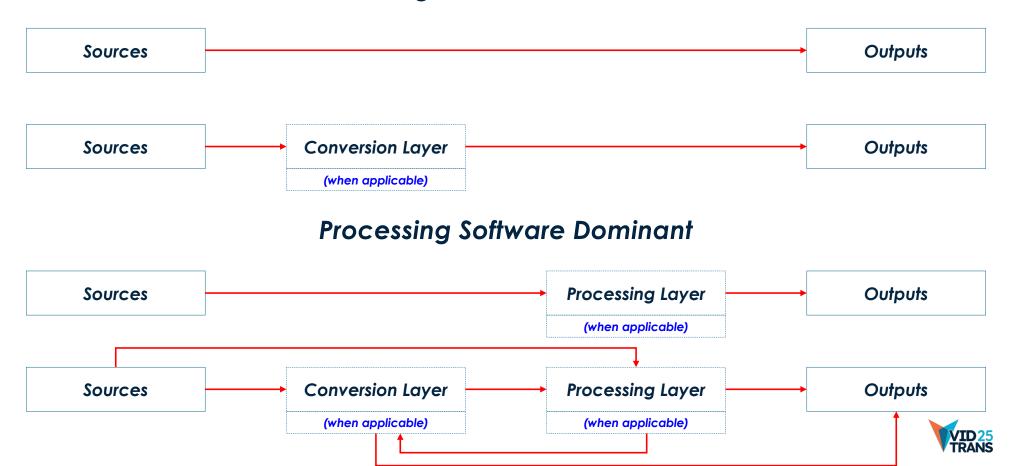


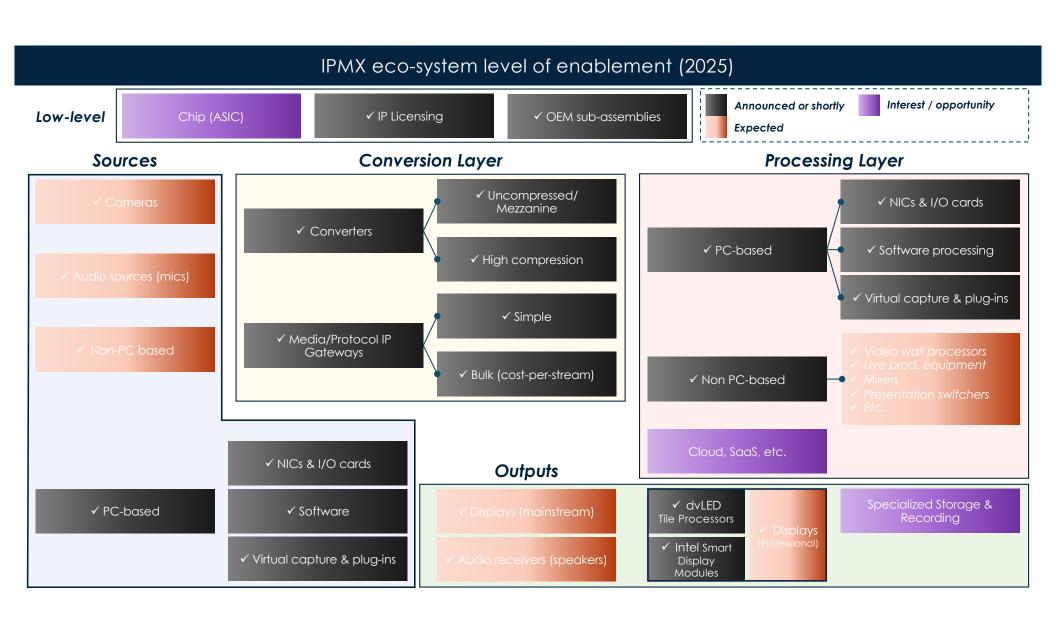
## **Equipment Update**



#### Main IPMX eco-system elements

#### **Routing Software Dominant**







Thank you

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