AcuityIP | Interface Solutions

Acuity, the world's most powerful production switcher, is available with AIMS-compliant IP options to interface to standards-based SMPTE ST 2110 and ST 2022-6 infrastructures. This allows Acuity to seamlessly integrate with modern IP facilities. By specifying the IP input/output option, there is no compromise on I/O capacity, and all input and output processing features are retained, including AuxKeys, HalfME, Frame Syncs, Format Converters, HDR processing and input multiviewers.

AcuityIP interfaces with industry-standard control solutions, ensuring clean integration into your overall production workflow solution. Connectivity to COTS IP fabric is provided via standard 10GbE SFP+ or 100GbE QSFP28 interfaces.

FEATURES
- Robust IP Interface built upon Raptor EDGE technology
- SMPTE ST 2110 and SMPTE ST 2022-6 support
- Open control brings freedom of choice to use your preferred control system, including seamless integration into the Ross control ecosystem and 3rd-party systems via:
  - NMOS IS-04/IS-05
  - EmBER+
  - Published JSON API
  - Ross’ DashBoard™
- Audio and video SMPTE ST 2059 alignment and synchronization, and to video production engine
- No loss of switcher I/O capacity and I/O processing capabilities
- Includes everything required to interface Acuity to COTS IP fabric
- Intelligent integration of IP metadata into switcher setups and user interface
- Each input and output may be independently configured for SDI or IP interfaces, ideal for hybrid applications and low-cost monitoring
### AcuityIP | Packages

<table>
<thead>
<tr>
<th>PACKAGE</th>
<th>ACU4-IPIO60</th>
<th>ACU-IP1060</th>
<th>ACUS-IPIO60</th>
<th>ACUS-IPIO120</th>
</tr>
</thead>
<tbody>
<tr>
<td># INPUTS</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td>120</td>
</tr>
<tr>
<td># OUTPUTS</td>
<td>40</td>
<td>40</td>
<td>40</td>
<td>60</td>
</tr>
<tr>
<td>TOTAL SIZE</td>
<td>8 RU</td>
<td>12 RU</td>
<td>16 RU</td>
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<tr>
<td>IP INTERFACE</td>
<td>20 x 10GbE or 2 x 100GbE</td>
<td>20 x 10GbE or 2 x 100GbE</td>
<td>40 x 10GbE or 4 x 100GbE</td>
<td></td>
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</tbody>
</table>

1 ACUx-MP-IPIO options include: Input Multiviewer, Format Conversion, Frame Sync, Proc Amp and Color correctors with HDR processing.
2 Size includes switcher frame and IP Aggregation Modules.

### AcuityIP | Specifications

**VIDEO FORMAT SUPPORT**
- 720p 50 / 59.94 / 60
- 1080i 50 / 59.94 / 60
- 1080p 50 / 59.94 / 60
- 2160p 50/59.94 Quad Link 2SI

**IP INTERFACE STANDARD SUPPORT**
- SMPTE ST 2022-6, -7
- SMPTE ST 2110-10, -20, -30, -31, -40
- AES67
- PTP (IEEE-1588 / ST 2059)

**IP INTERCONNECT**
- 100GbE or 10GbE Ethernet connections
- Support for redundant IP core connection

**CONTROL AND SETUP**
- Full integration of IP stream IDs with switcher mnemonics
- Gateway setup via Ross DashBoard
- NMOS IS-04, IS-05 and IS-06
- RAVENNA Session Announcement, Discovery, and Registration
- Native EmbER+ integration for control from popular VSM routing controller