10 GbE IP CONVERTER (IP GATEWAY)
USF-10IP SERIES

Video over IP module for Universal System Frame USF-212AS. Dual 10 GbE (SFP+) module that converts input data between IP formats and between IP and SDI. Compatible with 4K (2SI/SQD) and multi-format* input and output.

* For details, contact your FOR-A dealer.

Baseband and IP Hybrid System

The USF-10IP series integrates baseband and IP with broadband IP support, including IP/12G-SDI conversion. FOR-A's SDI and IP hybrid systems with the USF-10IP Series provide a single system for working with both SDI and IP.

Take advantage of this IP flexibility to share and consolidate resources such as character generators, video servers, or signal processors. Change your system dynamically by allocating equipment to a control room or to individual lines.
Available Modules

**USF-10IP**

- Dual 10 GbE (SFP+) port
- Converts to other encapsulation modes
- Encapsulation modes:
  - SMPTE ST2022-6/7/8, SMPTE 2110, NMI
- TICO codec support

**USF-10IPSDI6-FS**

- Dual 10 GbE (SFP+) port
- 1-input/1-output 12G-SDI
- 2-input/output 3G/1.5G-SDI
- 2SI/SQD conversion, Level A/B compatible
- SMPTE 2022-6 (uncompressed):
  - Simultaneous conversion of up to 6 inputs and 6 outputs (6 streams)
- Encapsulation modes:
  - SMPTE ST2022-6/7/8, SMPTE 2110, NMI
- TICO codec support

**USF-10IPSDI12-FS**

- Dual 10 GbE (SFP+) port
- 1-input/1-output 12G-SDI
- 12-input/output 3G/1.5G-SDI
- 2SI/SQD conversion, Level A/B compatible
- SMPTE 2022-6 (uncompressed):
  - Simultaneous conversion of up to 6 inputs and 6 outputs (12 streams)
- Encapsulation modes:
  - SMPTE ST2022-6/7/8, SMPTE 2110, NMI
- TICO codec support

### Specifications

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<td><strong>Video input</strong></td>
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<td>SFP+</td>
<td>2 channels</td>
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| SDI                 | --       | 12G-SDI: 12 Gbps, BNC x 1 (input/output switching)
|                     |          | 3G/1.5G-SDI: 3/1.5 Gbps, BNC x 6 (input/output switching)
|                     |          | Signal format*: 2SI or SQD (Level A/B*) |
| **Video output**    |          |                 |                  |
| SFP+                | 2 channels| 2 channels      | 2 channels       |
| SDI                 | --       | 12G-SDI: 12 Gbps, BNC x 1 (input/output switching)
|                     |          | 3G/1.5G-SDI: 3/1.5 Gbps, BNC x 6 (input/output switching)
|                     |          | Signal format*: 2SI or SQD (Level A/B*) |
| **IP format**²      | SMPTE 2022-6/7/8, SMPTE 2110, NMI |
| **Max. number of modules mountable on USF-212AS** | 6        | 6               | 3                |

¹ When using 3G-SDI
² Planned for future support

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