## Specifications

### Options

- **Accessories**
- **Dimensions / Weight**
- **Consumption**
- **Power**
- **Temperature / Humidity**
- **Interface**
- **Analog Audio**
- **AES/EBU**
- **Embedded Audio**

### Options

- **Audio Input (optional)**
- **Color Correction Mode**
- **Video Clip Mode**
- **Video Processing Functions**
- **Video Delay**
- **AVDL Mode**
- **Line Sync Mode**
- **Frame Sync Mode**
- **Sync Modes**
- **Genlock Input**
- **Video Outputs**
- **Video Inputs**
- **Video Formats**

### Dimensions

<table>
<thead>
<tr>
<th>Option</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>FA-1010</td>
<td>400 x 350 x 40 mm</td>
<td>6.0 kg</td>
</tr>
</tbody>
</table>

### Notes

- Dimensions and weight are approximate.
- Specifications subject to change without notice.

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Multi-Channel Signal Processor FA-1010

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ISO 9001 and ISO/IEC 17025 certified (Sakura R&D)
All-Round Frame Synchronizer

The FA-1010 is a frame synchronizer equipped with the various functions you need for video production and that enables multi-channel routing (10 video inputs and 10 video outputs). It supports 3G-SDI and HD/SD-SDI input/output as standard and naturally includes all the typical features of a frame synchronizer as well as a color corrector (standard) enabling the conversion of a variety of video signals. For audio content, it is highly versatile with delay adjustment and remapping functions plus a sampling rate converter.

A single unit can provide the optimal functionality for all video production scenes, including transmission, outside broadcasting, news reporting, production, editing and distribution.

Comprehensive & More Compact

Abundant Functions as Standard

10 3G/HD/SD-SDI Inputs/Outputs

10 SDI inputs have been included in the standard configuration. For SDI input signals are synchronized independently in the FA-1010, so during switchover there is no shock even if asynchronous signals are input. That means a clean switch in both video and audio. An SDI breaks function has also been provided in case power is cut off or there is an emergency.

Digital Audio I/O

For embedded audio, there are 16 channels per 3G/SDI 3G/HD-SDI synchronous/asynchronous input, and there are 12 channels per synchronous input in SD-SDI. That means support for up to 108 channels with all 10 inputs. Many types of signal processing are possible, including SDI embedding and de-embedding, and if an optional expansion card is installed, ADI and D/A conversions are also possible, thus flexibly supporting multi-channel audio content. Additionally, individual sampling rate converters are provided. Signal processing without any phase gap between channels is possible for such processes as delay adjustment, level adjustment, down-mixing and remapping. Also, users needn’t worry about ancillary data being erased such as closed captions and time code due to signal processing.

Color Corrector

In addition to the Proc. Amp., the FA-1010 incorporates a color correction capability. This enables you to perform color corrections with 3 color correction modes and also reproduce the original colors in the selected color space using the gamma adjustment, clip, and various level adjustment capabilities.

Powerful Frame Synchronizer

FOR-A’s frame synchronizers have always exhibited superior performance when processing video with poor quality signals. Synchronizer modes that can be selected among Frame, Line, and AGC. Adjustment range in AGC mode is 0i to 111 in HD and 1i to 71 in SD. Moreover, in every mode both H and V synchronous/asynchronous input, and there are 12 channels per synchronous input, providing users with the flexibility to mix and match inputs. For embedded audio, there are 16 channels per 3G/HD-SDI, ensuring that all signals are synchronized independently in the FA-1010, so during switchover there is no shock even if asynchronous signals are input. That means a clean switch in both video and audio. In case power is cut off or there is some other emergency, an SDI breaks function has also been provided.

Other Features (Standard)

- Video/audio delay
- Monitoring and control of FA-1010 from a Web browser
- SMPTE monitoring and control (optional)
- Redundant power supply

Options

FA-1010RU Remote Control Unit

One-touch switch of video input channels. Enjoy efficient color correction during frequent channel switching.

FA-AUX30 AUX Extension Panel

Offers one-touch assignment and activation of common functions in the operator’s routine.

Expansion Cards

4 slots in the rear panel can be used to expand the necessary functions.

- FA-104AES-BL Balanced Digital Audio I/O
- FA-104AES-UBL Unbalanced Digital Audio I/O
- FA-104AES-UBLC Unbalanced Digital Audio Out [an extension cable for the FA-104AES-UBL]
- FA-104AES-AUD Analog Audio I/O
- FA-10GPI GPI I/O

Block Diagram

The diagram illustrates the various signal processing units that required separate equipment for each channel into a single FA-1010 unit.