Multifunction Analyzer for UHDTV
DAB8000 mini Series

6-in-1 Analyzer for 4K 8K

- Full support for UHDTV (BT.2020)
- Latest update for U-SDI *
- 3U half-rack size as the smallest **

* Ultra high-definition Signal/Data Interface (ARIB STD-B58, ITU-R BT.2077 Part2)
** UHDTV-compatible waveform monitor, according to our own research in the industry.

1. Waveform monitor

Multiple waveforms can be monitored on the screen while those are analyzed in real time. The processing delay in the analysis is reduced by the specialized hardware, and it provides monitoring without discomfort.

2. Protocol analyzer *

The real time analysis enables an immediate identification of cause when a protocol error happens in the development stage or in the connection between equipment.

3. Pattern generator *

Test pattern generation, such as a color bar or gray scale can adapt to the verification of product development.

4. Audio analyzer *

Sound analysis function of the UHDTV standard corresponding maximum 32ch provides a loudness audio level bar display and a surround display. Multiple information types can be monitored simultaneously on the screen.

5. Signal converter *

This function is the mutual interface conversion between U-SDI and 8K 3G-SDI. It also provides the image structure conversion between RGB and YCbCr.

6. Focus assist *

The focus assist information is displayed in real time. It enables you to focus target easily in difficult situations with 8K camera.

* Optional function
DAB8000 mini Series

General Characteristics

<table>
<thead>
<tr>
<th>Interface</th>
<th>24 core optical fiber cable</th>
<th>3G-SDI</th>
<th>12G-SDI</th>
<th>24 core optical fiber cable</th>
<th>3G-SDI</th>
<th>12G-SDI</th>
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</thead>
<tbody>
<tr>
<td>Model Number</td>
<td>DAB8000</td>
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<td>16ch(8K)</td>
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<td>DAB812</td>
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<td>4ch(8K)</td>
<td>*2</td>
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<td>16ch(8K)</td>
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<td>DAB8112</td>
<td>-</td>
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<td>4ch(8K)</td>
<td>*2</td>
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</tbody>
</table>

Interface
- Display monitor: 7.0 inch Full HD
- Input / Output: USB, DVI, Ethernet
- Voice output: Stereo mini jack

Video format
- Resolution: 7680 x 4320 pixels, 3840 x 2160 pixels
- Frame rate: 120Hz, 120/1.001Hz, 60Hz, 60/1.001Hz
- Pixel structure: 4:4:4 RGB, 4:4:4 YCbCr, 4:2:2 YCbCr, 4:2:0 YCbCr
- Bit number: 10bit, 12bit

General information
- Size, Weight, Consumed power: 123.8(H) x 220(W) x 350(D) mm, 5.5kg, Less than 200W(Typ.)
- Operating temperature, humidity: 0~40℃, 30~80%RH (No condensation permitted)
- Accessories: Operating manual x 1, CD-ROM x 1, Power cable x 1

Functions
- Waveform monitor:
  - Picture display: Dot by Dot display, Down Convert display
  - Vector display
  - Waveform display: YRGB Parade display
  - Chromaticity diagram display: CIE Chromaticity Diagram display
  - Histogram display: Brightness Level Histogram, Video Level Histogram
- Protocol analyzer: All data analysis mode (specified line data part), Header data part analysis mode, Eye Monitor
- Pattern generator:
  - Color bar, Linear, Flat: Display Timecode
  - Ancillary (audio 32ch and timecode): Color Level
  - Scroll Speed (x-axis and y-axis): Overlay Bouncing Square
- Audio analyzer:
  - Loudness audio level bar display: Audio Lissajous
  - Surround display (maximum 32ch): Audio Packet Monitor
- Signal converter:
  - Interface Conversion
  - Image Structure Conversion
- Focus assist:
  - 8K Image Correspondence

External Dimensions

Model Number: DAB8112 mini

Front

Back

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