Recording & Playback UHDTV Video
DRB8000 Series

Uncompressed Recorder for 4K8K

- 60 min uncompressed recording and playback
- Full support for UHDTV (BT.2020)
- Latest update for U-SDI *
- As the industry's only 15.6" touch screen

* Ultra high-definition Signal/Data Interface (ARIB STD-B58, ITU-R BT.2077 Part2)

1. Up to 240Gbps Recording and Playback

This is high-end recorder includes all the functions required for developing the next-generation 8K products.

- Record 60 minutes uncompressed UHDTV 8K video. (The effective transmission rate is 200Gbps.)
- Playback uncompressed data, enabling the algorithm evaluation and the development of products related to UHDTV.

2. UHDTV 8K Full Support

All types of image resolution for the UHDTV standard are supported, including 8K 120Hz 4:4:4RGB.

The interface for 24 core optical fiber cable with the U-SDI standard is mounted. Even if the standard is updated, it can be used by just applying a firmware update.

3. Superior Operability

Unprecedented big touch screen and thumbnail view enhance user-friendliness and operability.

Using specialized hardware enables quick access to large amounts of data.

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## General Characteristics

### Recording and Playback

<table>
<thead>
<tr>
<th></th>
<th>DRB8011</th>
<th>DRB8023</th>
<th>DRB8046</th>
<th><strong>New</strong> DRB8092</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage capacity</strong></td>
<td>11TB</td>
<td>23TB</td>
<td>46TB</td>
<td>92TB</td>
</tr>
<tr>
<td><strong>Recording duration</strong></td>
<td>7 min</td>
<td>15 min</td>
<td>30 min</td>
<td>60 min</td>
</tr>
<tr>
<td></td>
<td>(8K 120Hz 4:4:4RGB)</td>
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<tr>
<td><strong>Recording files</strong></td>
<td>Up to 1000 files</td>
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</tbody>
</table>

### 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

### Interface

- **Video input**: 1ch 24 core optical fiber cable *
- **3G-SDIx16ch(8K) / 12G-SDIx8ch(8K) / DisplayPort 1.2x8ch(8K) **
- **Video output**: 1ch 24 core optical fiber cable *
- **3G-SDIx16ch(8K) or 4ch(4K) / 12G-SDIx8ch(8K) or 1ch(4K) / DisplayPort 1.2x8ch(8K) **
- **Display monitor**: 15.6 inch WXGA touch screen (Surface acoustic wave touch panel)
- **Input / Output**: USB, DVI, D-Sub, Ethernet
- **Control Interface**: RS422 9-Pin protocol

### General information

- **Size, Weight, Consumed power**: 263(H) x 482(W) x 566(D) mm, 40kg, Less than 600W(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

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## Recording and Playback Modes

<table>
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<th>Pixel structure</th>
<th>Recording duration</th>
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<tbody>
<tr>
<td>7680 x 4320 pixels</td>
<td>120/1.001Hz, 120Hz</td>
<td>4:4:4 RGB / 4:4:4 YCbCr</td>
<td>DRB8011: 7 min</td>
</tr>
<tr>
<td></td>
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<td>4:2:2 YCbCr</td>
<td>DRB8023: 15 min</td>
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<tr>
<td></td>
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<td>4:2:0 YCbCr</td>
<td>DRB8046: 30 min</td>
</tr>
<tr>
<td></td>
<td>60/1.001Hz, 60Hz</td>
<td>4:4:4 RGB / 4:4:4 YCbCr</td>
<td>DRB8092: 60 min</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4:2:2 YCbCr</td>
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<tr>
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<td>4:2:0 YCbCr</td>
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<td>4:2:2 YCbCr</td>
<td>DRB8023: 60 min</td>
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<tr>
<td></td>
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<td>4:2:0 YCbCr</td>
<td>DRB8046: 120 min</td>
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<td></td>
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<td>4:2:0 YCbCr</td>
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## External Dimensions

- **Front**
- **Back**

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