M820L-8K
8K Encoding License for M820L

Overview
M820L-8K which is combination of M820L Media Accelerator Card and 8K Encoding License for M820L enables high speed encoding of 8K resolution video contents with high video quality. M820L-8K is suitable for 8K post production systems and greatly improves 8K production efficiency.

Features
- High video quality and high speed 8K/HEVC encoding with Windows or Linux
- Easy-to-use GUI application on Windows, FFmpeg plug-in on Linux
- Encoded contents can be played by Socionext’s 8K Media Player Box ‘s8’ or other 8K decoders

Encoding Performance

Use Case

8K Camera
Storage
Editing
High-speed Encoding
8K Display
Socionext 8k Media Player Box ‘s8’
### Specifications

<table>
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<tr>
<th>Item</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Encoding algorithm</td>
<td>HEVC</td>
</tr>
<tr>
<td>Resolution</td>
<td>7680 x 4320 pixels</td>
</tr>
<tr>
<td>Framerate</td>
<td>60p, 59.94p, 50p, 30p, 29.97p, 25p, 24p, 23.98p</td>
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<td>Pixel format</td>
<td>10bit, 8bit / 4:2:2, 4:2:0</td>
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<td>User interface</td>
<td>GUI application (Windows environment)</td>
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<td>FFmpeg 3.4.2 / 4.1 (Linux environment)</td>
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<td>Other</td>
<td>HDR parameters embedding</td>
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<tr>
<td>Environment OS</td>
<td>Windows 10</td>
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<td>Windows Server 2016</td>
</tr>
<tr>
<td></td>
<td>Red Hat Enterprise Linux 7.6</td>
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</tbody>
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**Function**

- **Windows Environment**
  - GUI Application
  - Windows Driver

- **Linux Environment**
  - FFmpeg plug-in
  - Linux Driver

**Environments**

- **OS**
  - Windows 10
  - Windows Server 2016
  - Red Hat Enterprise Linux 7.6

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