Verint Single-Port and Multi-Port Encoders and Decoders with H.264 Video Compression

<table>
<thead>
<tr>
<th>FEATURE</th>
<th>ADVANTAGE</th>
<th>BENEFIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXCEPTIONAL PERFORMANCE</td>
<td>Triple- and quadruple-streaming</td>
<td>Verint single-port and multi-port encoders and decoders deliver triple and quadruple-streaming, H.264, MPEG-4, S and MJPEG video up to D1/30 frames per second. Devices combine H.264 video compression with multiple streaming, enabling video to be viewed at high resolution with excellent image clarity, but stored at lower resolution reducing bandwidth and storage utilization up to 50% over MPEG4.</td>
</tr>
<tr>
<td>OPTIMAL USE OF NETWORK</td>
<td>Industry-leading video encoding technology</td>
<td>Provides superior imagery with optimal bandwidth utilization. Video compression reduces the quantity of data used to represent video content, making video files smaller with little perceptible loss in quality. Compressed files are easier to transmit over a network and easier to store.</td>
</tr>
<tr>
<td>SUPERIOR FUNCTIONALITY</td>
<td>High-resolution and high-definition encoders and decoders that feature storage on the edge, on-board analytics, SNMP support, an embedded Linux operating system and audio</td>
<td>Embedded features that enhance functionality, and provide superior security and reliability. Helps organizations extend the value of their analog video cameras, as they leverage the power of sophisticated IP video technology.</td>
</tr>
<tr>
<td>SEAMLESS INTEGRATION</td>
<td>Reliable, energy efficient, and simple to install and manage</td>
<td>Verint encoders and decoders are built for easy installation and management using either Verint or other video management software (via the Verint Advantage SDK) and Verint web interface. Verint encoders and decoders are designed for long life, low cost of ownership, and peak energy efficiency with ENERGY STAR® qualified external power supply.</td>
</tr>
</tbody>
</table>
Verint Single-Port and Multi-Port Encoders and Decoders

### Encoder Descriptions

<table>
<thead>
<tr>
<th>Description</th>
<th>S1801e</th>
<th>S1802e</th>
<th>S1808e</th>
<th>S1816e</th>
<th>S1816e-SP</th>
<th>S1816e-SR</th>
<th>S1801e-R</th>
<th>S1801e-R-HD</th>
<th>S2201e-R-HD</th>
</tr>
</thead>
<tbody>
<tr>
<td>High-resolution single-port video encoder</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>High-resolution dual-port video encoder</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>High-resolution 8-port video encoder</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>High-resolution 16-port video encoder</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Cost-effective, high-resolution 16-port video encoder</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Video

**Input**
- 1 camera
- 2 cameras
- 8 cameras
- 16 cameras
- 16 cameras
- 16 cameras
- Up to 4 video tiles
- Up to 6 video tiles
- Up to 16 video tiles

**Compression**
- H.264, MPEG
- H.264, MPEG-4
- H.264 and MPEG-4
- H.264 and MPEG-4
- H.264 and MPEG-4
- H.264
- H.264

**Streaming**
- Quadruple
- Quadruple
- Triple
- Triple
- Triple
- Triple
- Quadruple
- Six

**Maximum Performance**
- D1/30fps
- D1/30fps
- D1/15fps, 2CIF/15fps on all channels simultaneously
- D1/30fps
- D1/15fps, 2CIF/15fps on all channels simultaneously
- D1/15fps
- D1/15fps
- 4 x D1/30fps or 1080i
- 6 x D1/30fps or 1080i
- 16 x 1000p, 200FPS across the unit

**Resolution**
- CIF (352x240 pixels for NTSC; 704x576 pixels for PAL)
- CIF (352x240 pixels for NTSC; 352x288 pixels for PAL)
- CIF (352x240 pixels for NTSC; 704x480 pixels for PAL)
- CIF (352x240 pixels for NTSC; 352x288 pixels for PAL)
- CIF (352x240 pixels for NTSC; 704x480 pixels for PAL)
- CIF (352x240 pixels for NTSC; 352x288 pixels for PAL)
- CIF (352x240 pixels for NTSC; 704x480 pixels for PAL)
- CIF (352x240 pixels for NTSC; 704x480 pixels for PAL)
- CIF (352x240 pixels for NTSC; 704x480 pixels for PAL)

### Networking

**Interface**
- Ethernet 10/100 Base-T
- Ethernet 10/100 Base-T
- 2x Ethernet 10/100/1000 Base-T
- 2x Ethernet 10/100/1000 Base-T
- 2x Ethernet 10/100 Base-T
- Ethernet 10/100 Base-T
- Ethernet 10/100 Base-T
- 10/100/1000M Gigabit Ethernet

**Ports**
- RS 232/422/485
- RS 232/422/485
- RS 232/422/485
- RS 232/422/485
- RS 232/422/485
- RS 232/422/485
- RS 232/422/485
- Optional

**Alarm Inputs/Outputs**
- 2 in / 1 out
- 2 in / 1 out
- 8 in / 2 out
- 16 in / 4 out
- 4 in / 1 out
- 2 in / 1 out
- 2 in / 1 out

### Physical

**Operating Temperature**
- 32°F to 140°F (0°C to 60°C), (up to 131°F/55°C for PoE model)
- 32°F to 140°F (0°C to 60°C)
- 32°F to 131°F (0°C to 55°C)
- 32°F to 131°F (0°C to 55°C)
- 32°F to 131°F (0°C to 55°C)
- 32°F to 140°F (0°C to 60°C)
- 32°F to 140°F (0°C to 60°C)
- 41° to 95° F (5° to 35° C)

### decoder Descriptions

Decoders

<table>
<thead>
<tr>
<th>Description</th>
<th>S1801e-R</th>
<th>S1801e-R-HD</th>
<th>S2201e-R-HD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compact single-port video decoder with high-definition technology</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Compact HD Decoder for displaying up to 16 HD Tiles</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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