Introduction:

DS-8100HGHI-SH series DVR (Digital Video Recorder) is a new generation recorder developed by Hikvision independently which can connect HD analog/network cameras and Coaxitron cameras and provide powerful surveillance. Combined with multiple advanced technologies, such as audio and video encoding & decoding technology, embedded system technology, storage technology, network technology and intelligent technology. It can both work alone as a recorder and cooperate with other devices to build a comprehensive surveillance system.

The DS-8100HGHI-SH series DVR are widely applied in the areas of finance, public security, military, communication, transportation, education, etc.

Available Models:

DS-8124HGHI-SH, DS-8132HGHI-SH

Main Features:

- Connectable to HD-TVI and analog cameras;
- Connectable to the Coaxitron camera/dome with long transmission distance;
- Connectable to network cameras;
- Simultaneous HDMI1, VGA and HDMI2 outputs; with up to 1920×1080P resolution;
- New GUI and support starting record with one key;
- Redundant recording, holiday recording schedule configuration;
- Instant playback for assigned camera during multi-channel live view mode;
- Support up to 24/32-ch synchronous playback; and reverse playback for multi-channel;
- Smart playback to go through less effective information;
- Manual video quality diagnostics;
- Support VCA alarm (line crossing detection and intrusion detection);
- Customization of tags, searching and playing back by tags;
- Locking and unlocking record files;
- Support HDD quota and group management; different capacity can be assigned to different cameras under quota mode;
- Provide up to 8 SATA interfaces and 1 eSATA interface for record and backup;
- 2 self-adaptive 10M/100M/1000M network interfaces, and 3 working modes are configurable: multi-address, load balance, network fault tolerance;
- Support access by EZVIZ Cloud P2P;
- Support Hikvision DDNS (Dynamic Domain Name System);
- Network detection function.

Physical Interfaces:

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Typical Application:
### Specifications:

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<th>DS-8132HGHI-SH</th>
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<td><strong>Video/Audio input</strong></td>
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<td>Video compression</td>
<td>H.264</td>
<td></td>
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<tr>
<td>Analog and HD-TVI video input</td>
<td>24-ch</td>
<td>32-ch</td>
</tr>
<tr>
<td>BNC interface (1.0Vp-p, 75 Ω)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supported camera types</td>
<td>720P/25, 720P/30, 720P/50, 720P/60, 1080P/25, 1080P/30, CVBS</td>
<td></td>
</tr>
<tr>
<td>IP video input</td>
<td>16-ch (up to 32-ch)</td>
<td>16-ch (up to 32-ch)</td>
</tr>
<tr>
<td>Up to 2MP resolution</td>
<td></td>
<td></td>
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<tr>
<td>Audio compression</td>
<td>G.711u</td>
<td></td>
</tr>
<tr>
<td>Audio input</td>
<td>16-ch</td>
<td>16-ch</td>
</tr>
<tr>
<td>RCA (2.0 Vp-p, 1 KΩ)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two-way audio input</td>
<td>1-ch, RCA (2.0 Vp-p, 1 KΩ)</td>
<td></td>
</tr>
<tr>
<td><strong>Video/Audio output</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HDMI 1/ VGA and HDMI2 output</td>
<td>1920 × 1080/60 Hz, 1280 × 1024/60 Hz, 1280 × 720/60 Hz, 1024 × 768/60 Hz</td>
<td></td>
</tr>
<tr>
<td>Encoding resolution</td>
<td>Main stream: 1080P (non-real-time) / 720P / WD1 / VGA / 4CIF / CIF</td>
<td>Sub-stream: WD1 (12fps) / 4CIF (12fps) / CIF / QCIF / QVGA</td>
</tr>
<tr>
<td>Frame rate</td>
<td>Main stream: 1/16 fps ~ Real time frame rate</td>
<td>Sub-stream: 1/16 fps ~ Real time frame rate</td>
</tr>
<tr>
<td>Video bitrate</td>
<td>32 Kbps - 6Mbps</td>
<td></td>
</tr>
<tr>
<td>Audio output</td>
<td>1-ch, RCA (Linear, 1KΩ)</td>
<td></td>
</tr>
<tr>
<td>Audio bitrate</td>
<td>64 Kbps</td>
<td></td>
</tr>
<tr>
<td>Dual-stream</td>
<td>Support</td>
<td></td>
</tr>
<tr>
<td>Stream type</td>
<td>Video, Video &amp; Audio</td>
<td></td>
</tr>
<tr>
<td>Synchronous playback</td>
<td>24-ch</td>
<td>32-ch</td>
</tr>
<tr>
<td>Playback resolution</td>
<td>1080P / 720P / VGA / WD1 / 4CIF / CIF / QVGA / QCIF</td>
<td></td>
</tr>
<tr>
<td><strong>Network management</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remote connection</td>
<td>128</td>
<td></td>
</tr>
<tr>
<td>Network protocols</td>
<td>TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UpnP™, HTTPS</td>
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<tr>
<td><strong>Hard disk</strong></td>
<td></td>
<td></td>
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<tr>
<td>Type</td>
<td>8 SATA interfaces for 8 HDDs; 1 eSATA interface</td>
<td></td>
</tr>
<tr>
<td>Capacity</td>
<td>Up to 4 TB capacity for each disk</td>
<td></td>
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<tr>
<td><strong>External interface</strong></td>
<td></td>
<td></td>
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<tr>
<td>Network interface</td>
<td>2, 10M / 100M / 1000M self-adaptive Ethernet interfaces</td>
<td></td>
</tr>
<tr>
<td>Serial interface</td>
<td>RS-232, RS-485, Keyboard;</td>
<td></td>
</tr>
<tr>
<td>USB port</td>
<td>3 × USB2.0</td>
<td></td>
</tr>
<tr>
<td>Alarm input / output</td>
<td>16 / 8</td>
<td></td>
</tr>
<tr>
<td><strong>General</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>100 ~ 240VAC, 47 ~ 63HZ</td>
<td></td>
</tr>
<tr>
<td>Consumption (without hard disks)</td>
<td>≤ 60W</td>
<td>≤ 67W</td>
</tr>
<tr>
<td>Working temperature</td>
<td>-10 °C ~ +55 °C (14 °F ~ 131 °F)</td>
<td></td>
</tr>
<tr>
<td>Working humidity</td>
<td>10% ~ 90%</td>
<td></td>
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<tr>
<td>Chassis</td>
<td>19-inch rack-mounted 2U chassis</td>
<td></td>
</tr>
<tr>
<td>Dimensions (W × D × H)</td>
<td>445 × 470 × 90 mm (17.5 × 18.5 × 3.5 inch)</td>
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<tr>
<td>Weight (without hard disks)</td>
<td>≤ 8Kg (17.6 lb)</td>
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