

## DS-6400HDI-T Series Decoder



### Features and Functions

- Supports private H.264, standard H.264, MJPEG, MPEG2 and MPEG4 video stream formats
- High-definition video output via DVI/VGA/HDMI interface and standard-definition video output via BNC interface
- Decode video stream at resolution of 8MP, 5MP, 3MP, 1080p, 720p, SVGA, VGA, 4CIF, DCIF, 2CIF, CIF and QCIF
- Supports of getting stream and decoding by channel zero and VGA/DVI local channel (not supported by DS-6401HDI-T)
- VCA decoding
- Window Spanning, roaming, and windowing
- One 10/100/1000Mbps self-adaptive Ethernet interface
- Supports TCP, UDP and Multicast network protocols
- Multiple DDNS settings: Peanut Hull, Dyndns, IPServer, and NO-IP



## Specifications

|                                  |                                          |                                                                                                              |
|----------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                     |                                          | <b>DS-6401HDI-T</b>                                                                                          |
| <b>Audio/<br/>Video Output</b>   | <b>VGA Output</b>                        | 1-ch                                                                                                         |
|                                  |                                          | 1920 × 1080 @ 50/60Hz, 1600 × 1200 @ 60Hz,<br>1280 × 1024 @ 60Hz,<br>1280 × 720 @ 50/60Hz, 1024 × 768 @ 60Hz |
|                                  | <b>HDMI Output</b>                       | 1-ch                                                                                                         |
|                                  |                                          | 1920 × 1080 @ 50/60Hz, 1600 × 1200 @ 60Hz,<br>1280 × 1024 @ 60Hz,<br>1280 × 720 @ 50/60Hz, 1024 × 768 @ 60Hz |
|                                  | <b>CVBS Output<br/>(without audio)</b>   | 1-ch                                                                                                         |
|                                  | <b>Audio Output</b>                      | 1-ch, RCA connector                                                                                          |
| <b>Audio/<br/>Video Decoding</b> | <b>Video Stream Format<br/>Supported</b> | H.264/MJPEG/MPEG4/MPEG2/Private                                                                              |
|                                  | <b>Audio Stream Format<br/>Supported</b> | G.722/G.711A/G.711U/MPEG2-L2/AAC                                                                             |
|                                  | <b>Decoding Capability</b>               | 8MP: 1-ch<br>5MP: 2-ch;<br>1080p: 4-ch;<br>720p: 8-ch;<br>4CIF: 16-ch                                        |
|                                  | <b>Split Screen</b>                      | 1/4/9/16                                                                                                     |
| <b>Fluent<br/>Decoding</b>       | <b>Decoding Capability</b>               | 1/4 decoding capability contrast to the normal mode                                                          |
| <b>External<br/>Interface</b>    | <b>Network Interface</b>                 | 1; 10/100/1000 Mbps self-adaptive Ethernet interface                                                         |
|                                  | <b>Serial Interface</b>                  | 1 RS-232 (DB9), 1 RS-485                                                                                     |
|                                  | <b>Two-Way Audio In</b>                  | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 k Ω)                                                                     |
|                                  | <b>Two-Way Audio Out</b>                 | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 k Ω)                                                                     |
|                                  | <b>Alarm In</b>                          | 4                                                                                                            |
|                                  | <b>Alarm Out</b>                         | 4                                                                                                            |
| <b>General</b>                   | <b>Power Supply</b>                      | 12 VDC                                                                                                       |
|                                  | <b>Power Consumption</b>                 | ≤ 15 W                                                                                                       |
|                                  | <b>Working Temperature</b>               | -10° C to 55° C (14° F to 131° F)                                                                            |
|                                  | <b>Working Humidity</b>                  | 10% to 90%                                                                                                   |
|                                  | <b>Dimensions<br/>(W×D×H)</b>            | 220 × 180 × 45 mm (8.66" × 7.09" × 1.77")                                                                    |
|                                  | <b>Weight</b>                            | ≤1.2 kg (2.65 lb)                                                                                            |

## Specifications

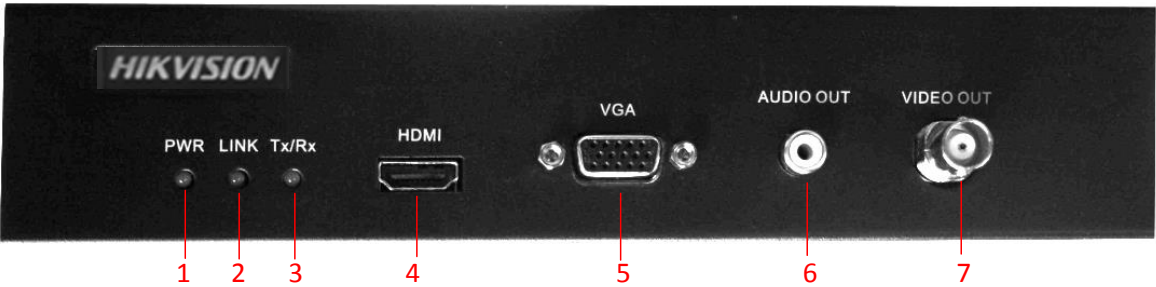
| Model                           |                                | DS-6404HDI-T                                                                                                                                                                                           | DS-6408HDI-T                                                         |
|---------------------------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Audio/<br>Video<br>Input/output | DVI Output                     | 4-ch                                                                                                                                                                                                   | 8-ch                                                                 |
|                                 |                                | 1920 × 1080 @ 60/50Hz, 1600 × 1200 @ 60Hz,<br>1280 × 1024 @ 60Hz, 1280 × 720 @ 50/60Hz,<br>1024 × 768 @ 60Hz                                                                                           |                                                                      |
|                                 | CVBS Output<br>(without audio) | 2-ch                                                                                                                                                                                                   | 4-ch                                                                 |
|                                 |                                | DB15 connector (used with the DB15-to-BNC adapter)                                                                                                                                                     |                                                                      |
|                                 | Video Input                    | 1-ch, VGA connector; 1-ch, DVI-I connector<br>XGA @ 60Hz, 720p @ 60Hz, 720p @ 50Hz, UXGA @ 60Hz,<br>SXGA @ 60Hz, 1080p @ 50Hz, 1080p @ 60Hz, 1080i @ 50Hz,<br>1080i @ 60Hz, WXGA @ 60Hz, WSXGA+ @ 60Hz |                                                                      |
| Audio/<br>Video Decoding        | Audio Output                   | 4-ch, DB15 connector                                                                                                                                                                                   | 8-ch, DB15 connector                                                 |
|                                 | Video Stream Format            | H.264/MJPEG/MPEG4/MPEG2/Private                                                                                                                                                                        |                                                                      |
|                                 | Audio Stream Format            | G.722/G.711A/G.711U/MPEG2-L2/AAC                                                                                                                                                                       |                                                                      |
|                                 | Decoding Capability            | 8MP: 2-ch<br>5MP: 4-ch<br>1080p: 8-ch<br>720p: 16-ch<br>4CIF: 32-ch                                                                                                                                    | 8MP: 4-ch<br>5MP: 8-ch<br>1080p: 16-ch<br>720p: 32-ch<br>4CIF: 64-ch |
|                                 | Split Screen                   | 1/4/9/16                                                                                                                                                                                               |                                                                      |
|                                 | Screen Spanning Mode           | 1 × 2, 1 × 3, 1 × 4, 2 × 1, 2 × 2                                                                                                                                                                      |                                                                      |
| Fluent<br>Decoding              | Decoding Capability            | 1/4 decoding capability contrast to the normal mode                                                                                                                                                    |                                                                      |
| External<br>interface           | Network Interface              | 1; 10/100/1000 Mbps self-adaptive Ethernet interface                                                                                                                                                   |                                                                      |
|                                 | Serial Interface               | 1 RS-232 (DB9), 1 RS-485                                                                                                                                                                               |                                                                      |
|                                 | USB Interface<br>(reserved)    | 2, USB 2.0                                                                                                                                                                                             |                                                                      |
|                                 | Two-Way Audio In               | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)                                                                                                                                                                |                                                                      |
|                                 | Two-Way Audio Out              | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)                                                                                                                                                                |                                                                      |
|                                 | Alarm In                       | 4                                                                                                                                                                                                      |                                                                      |
|                                 | Alarm Out                      | 4                                                                                                                                                                                                      |                                                                      |
| General                         | Power Supply                   | 100 to 240 VAC                                                                                                                                                                                         |                                                                      |
|                                 | Power Consumption              | ≤ 108 W                                                                                                                                                                                                |                                                                      |
|                                 | Working Temperature            | -10° C to 55° C (14° F to 131° F)                                                                                                                                                                      |                                                                      |
|                                 | Working Humidity               | 10% to 90%                                                                                                                                                                                             |                                                                      |
|                                 | Dimensions<br>(W×D×H)          | 440 × 340 × 70 mm (17.32" × 13.39" × 2.76")                                                                                                                                                            |                                                                      |
|                                 | Weight                         | ≤ 5.2 kg (11.46 lb)                                                                                                                                                                                    |                                                                      |

## Specifications

| Model                    |                                | DS-6410HDI-T                                                                                                                                                                     | DS-6412HDI-T                                                                                     | DS-6416HDI-T                                                                                                          |
|--------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Audio/<br>Video Output   |                                | 10-ch                                                                                                                                                                            | 12-ch                                                                                            | 16-ch                                                                                                                 |
|                          | DVI Output                     | 1920 × 1080 @ 60/50Hz, 1600 × 1200 @ 60Hz,<br>1280 × 1024 @ 60Hz, 1280 × 720 @ 50/60Hz,<br>1024 × 768 @ 60Hz                                                                     |                                                                                                  |                                                                                                                       |
|                          | CVBS Output<br>(without audio) | 5-ch                                                                                                                                                                             | 6-ch                                                                                             | 8-ch                                                                                                                  |
|                          |                                | DB15 connector (used with the DB15-to-BNC adapter)                                                                                                                               |                                                                                                  |                                                                                                                       |
|                          | Video Input                    | 1-ch, VGA connector; 1-ch, DVI-I connector<br>XGA@60Hz, 720P@60Hz, 720P@50Hz, UXGA@60Hz,<br>SXGA@60Hz, 1080P@50Hz, 1080P@60Hz, 1080I@50Hz,<br>1080I@60Hz, WXGA@60Hz, WSXGA+@60Hz |                                                                                                  |                                                                                                                       |
|                          | Audio Output                   | 16-ch, DB15 connector                                                                                                                                                            |                                                                                                  |                                                                                                                       |
| Audio/<br>Video Decoding | Audio Output                   | 16-ch, DB15 connector                                                                                                                                                            |                                                                                                  |                                                                                                                       |
|                          | Video Stream Format            | H.264/MJPEG/MPEG4/MPEG2/Private                                                                                                                                                  |                                                                                                  |                                                                                                                       |
|                          | Audio Stream Format            | G.722/G.711A/G.711U/MPEG2-L2/AAC                                                                                                                                                 |                                                                                                  |                                                                                                                       |
|                          | Decoding Capability            | 8MP: 5-ch<br>5MP: 10-ch;<br>1080p: 20-ch;<br>720p: 40-ch;<br>4CIF: 80-ch                                                                                                         | 8MP: 6-ch<br>5MP: 12-ch;<br>1080p: 24-ch;<br>720p: 48-ch;<br>4CIF: 90-ch                         | 8MP: 8-ch<br>5MP: 16-ch;<br>1080p: 32-ch;<br>720p: 64-ch;<br>4CIF: 100-ch                                             |
|                          | Split Screen                   | 1/4/9/16                                                                                                                                                                         | 1/4/9/16                                                                                         | 1/4/9/16                                                                                                              |
|                          | Screen Spanning Mode           | 1 × 2, 1 × 3, 1 × 4, 2 × 1, 2 × 2, 2 × 3, 2 × 4, 2 × 5, 3 × 2, 3 × 3, 4 × 2, 5 × 2                                                                                               | 1 × 2, 1 × 3, 1 × 4, 2 × 1, 2 × 2, 2 × 3, 2 × 4, 2 × 5, 3 × 2, 3 × 3, 4 × 2, 5 × 2, 3 × 4, 4 × 3 | 1 × 2, 1 × 3, 1 × 4, 2 × 1, 2 × 2, 2 × 3, 2 × 4, 2 × 5, 3 × 2, 3 × 3, 4 × 2, 5 × 2, 3 × 4, 4 × 3, 5 × 3, 3 × 5, 4 × 4 |
| Fluent Decoding          | Decoding Capability            | 1/4 decoding capability contrast to the normal mode                                                                                                                              |                                                                                                  |                                                                                                                       |
| External interface       | Network Interface              | 1; 10/100/1000 Mbps self-adaptive Ethernet interface                                                                                                                             |                                                                                                  |                                                                                                                       |
|                          | Serial Interface               | 1 RS-232 (DB9), 1 RS-485                                                                                                                                                         |                                                                                                  |                                                                                                                       |
|                          | USB Interface (reserved)       | 2, USB 2.0                                                                                                                                                                       |                                                                                                  |                                                                                                                       |
|                          | Two-Way Audio In               | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)                                                                                                                                          |                                                                                                  |                                                                                                                       |
|                          | Two-Way Audio Out              | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)                                                                                                                                          |                                                                                                  |                                                                                                                       |
|                          | Alarm In                       | 4                                                                                                                                                                                |                                                                                                  |                                                                                                                       |
|                          | Alarm Out                      | 4                                                                                                                                                                                |                                                                                                  |                                                                                                                       |
| General                  | Power Supply                   | 100 to 240 VAC                                                                                                                                                                   |                                                                                                  |                                                                                                                       |
|                          | Power Consumption              | ≤ 108 W                                                                                                                                                                          |                                                                                                  |                                                                                                                       |
|                          | Working Temperature            | -10° C to 55° C (14° F to 131° F)                                                                                                                                                |                                                                                                  |                                                                                                                       |
|                          | Working Humidity               | 10% to 90%                                                                                                                                                                       |                                                                                                  |                                                                                                                       |
|                          | Dimensions (W×D×H)             | 440 × 340 × 88 mm (17.32" × 13.86" × 3.46")                                                                                                                                      |                                                                                                  |                                                                                                                       |
|                          | Weight                         | ≤ 6.4 kg (14.12 lb)                                                                                                                                                              |                                                                                                  |                                                                                                                       |

**Physical Interfaces**

**Front Panel of DS-6401HDI-T**



| Index | Name              | Description                                      |
|-------|-------------------|--------------------------------------------------|
| 1     | POWER             | Power LED indicator                              |
| 2     | LINK              | Network connection LED indicator                 |
| 3     | Tx/Rx             | Data transmitting/receiving status LED indicator |
| 4     | HDMI Video Output | HDMI output of decoded video                     |
| 5     | VGA Video Output  | VGA output of decoded video                      |
| 6     | Audio Output      | Audio output, 3.5 mm connector                   |
| 7     | Video Output      | Video output, BNC connector                      |

**Front Panel of DS-6404/6408/6410/6412/6416HDI-T**



| Index | Name  | Description                                      |
|-------|-------|--------------------------------------------------|
| 1     | POWER | Power LED indicator                              |
| 2     | LINK  | Network connection LED indicator                 |
| 3     | Tx/Rx | Data transmitting/receiving status LED indicator |

## Rear Panel of DS-6401HDI-T

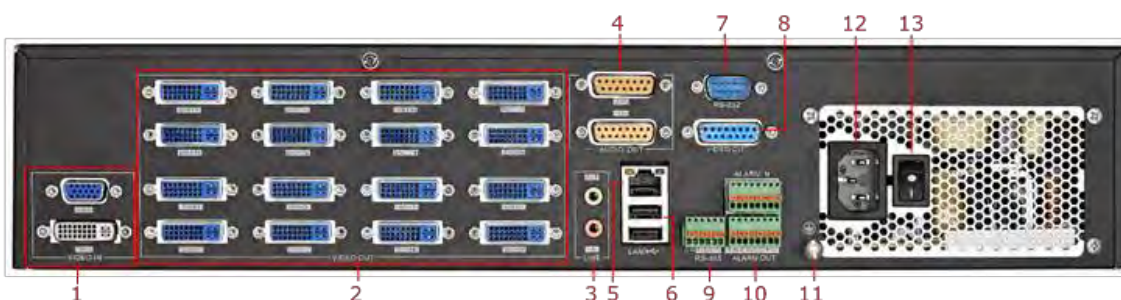


| Index | Name                    | Description                                     |
|-------|-------------------------|-------------------------------------------------|
| 1     | LINE IN/OUT             | Two-way audio input/output, 3.5 mm connector.   |
| 2     | LAN                     | 10/100/1000 Mbps Ethernet interface             |
| 3     | RS-232 Serial Interface | Connect to RS-232 devices, e.g., PC, etc.       |
| 4     | RS-485 Serial Interface | Connect to RS-485 devices, e.g., keyboard, etc. |
| 5     | Alarm In                | 4 alarm inputs                                  |
| 6     | Alarm Out               | 4 alarm outputs                                 |

## Rear Panel of DS-6404/6408/6416HDI-T



The rear panel of DS-6404HDI-T is similar with that of DS-6408HDI-T.



| Index     | Name                    | Description                                     |
|-----------|-------------------------|-------------------------------------------------|
| <b>1</b>  | VGA Video Input         | VGA video input                                 |
|           | DVI-I Video Input       | DVI-I video input ( support DVI-to-VGA adapter) |
| <b>2</b>  | DVI-I Video Output      | DVI output of decoded video                     |
| <b>3</b>  | LINE IN/OUT             | Two-way audio input/output, 3.5 mm connector.   |
| <b>4</b>  | AUDIO OUT               | DB15 connector for audio out                    |
| <b>5</b>  | LAN                     | 10/100/1000 Mbps Ethernet interface             |
| <b>6</b>  | USB Interface           | Reserved                                        |
| <b>7</b>  | RS-232 Serial Interface | Connect to RS-232 devices, e.g., PC, etc.       |
| <b>8</b>  | VIDEO OUT               | DB15 connector for video output                 |
| <b>9</b>  | RS-485 Serial Interface | Connect to RS-485 devices, e.g., keyboard, etc. |
| <b>10</b> | Alarm In                | 4 alarm inputs                                  |
|           | Alarm Out               | 4 alarm outputs                                 |
| <b>11</b> | GND                     | Grounding                                       |
| <b>12</b> | Power Supply            | Power input interface                           |
| <b>13</b> | Power Switch            | Power on/off switch                             |

## Available Models

DS-6401HDI-T, DS-6404HDI-T, DS-6408HDI-T, DS-6410HDI-T, DS-6412HDI-T, DS-6416HDI-T

Distributed by



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