

DS-6400HDI-T Series Decoder

Overview

Designed for the high-definition video monitoring system, DS-6400HDI-T Series HD Video/Audio Decoder is developed on the basis of TI Netra processor and Linux operating system, ensuring high reliability and stability of system running. DS-6400HDI-T Series HD Video/Audio Decoder is capable of decoding video at 8MP resolution and outputting decoded video via DVI, BNC, VGA, or HDMI interfaces, and it also supports multiple network protocols and multiple stream transmission modes. The decoded video can be displayed on video wall or large screen.

Key Features

Decoding Video and Audio

- Fluent Video;
- DS-6401HDI-T supports decoding output via HDMI, VGA and BNC connectors;
- DS-6404HDI-T, DS-6408HDI-T, DS-6410HDI-T, DS-6412HDI-T, and DS-6416HDI-T support decoding output via DVI (DVI to VGA and DVI to HDMI are supported) and BNC connectors;
- The output of DVI, HDMI, and VGA are at up to 1920 × 1080 resolution;
- Decode video stream at resolution of 8MP, 5MP, 3MP, 1080P, 720P, and 4CIF;
- Decode video stream in HIK264/H.264/MPEG4/MPEG2/MJPEG format;
- Decode video stream in HIK/PS/RTP/TS/ES encapsulation format;
- Decode audio in G722/G711A/G711U/G726 format.

Decoding Mode

- Decoding video on wall via VGA and DVI signals (only DS-6404HDI-T, DS-6408HDI-T, DS-6410HDI-T and DS-6416HDI-T are available);
- Two decoding modes: active decoding and passive decoding;
- Decoding output by remote recording files;
- Decoding video on wall via front-end device and streaming media forwarding;

- Get stream and decoding by channel zero, local source, stream ID and HiDDNS;
- Get stream and decoding via URL method
- Transparent channel, controlling PTZ remotely;
- Two-way audio;
- Smart decoding.

Integrated Capacity

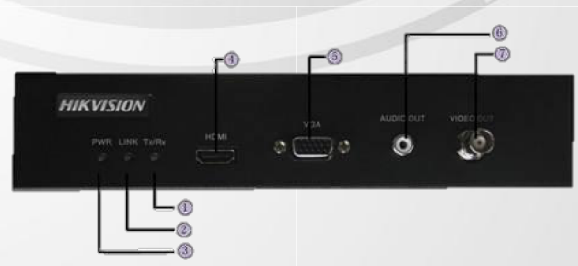
- ONVIF and RTSP protocols are supported;
- Capable of integrating device by SDK.

Model

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

Physical Interface

Front Panel of DS-6401HDI-T



1. Data transmitting/receiving LED indicator
2. Network connection LED indicator
3. Power LED indicator
4. HDMI Video Output
5. VGA Video Output
6. Audio Output
7. BNC Output

DS-6400HDI-T Series Decoder

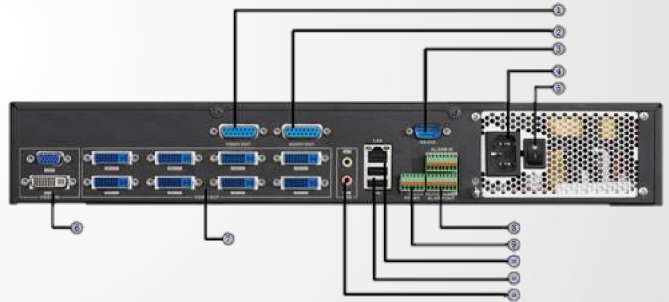
Rear Panel of DS-6401HDI-T



- 8. 10/100/1000 Mbps Ethernet Interface
- 9. Two-way Audio
- 10. RS-232 Serial Interface
- 11. Alarm in/Alarm out
- 12. RS 485 Interface
- 13. GND
- 14. 12 VDC Power

- 1. BNC Video Output
- 2. Audio Out (DB15 Connector)
- 3. RS-232 Serial Interface
- 4. 220 VAC Power Supply
- 5. Power Switch
- 6. VGA/DVI Input
- 7. DVI Output
- 8. Alarm In/Alarm Out
- 9. RS485 Interface
- 10. 10/100/1000Mbps Ethernet Interface
- 11. USB Interface
- 12. Two-way Audio

Rear Panel of DS-6408HDI-T



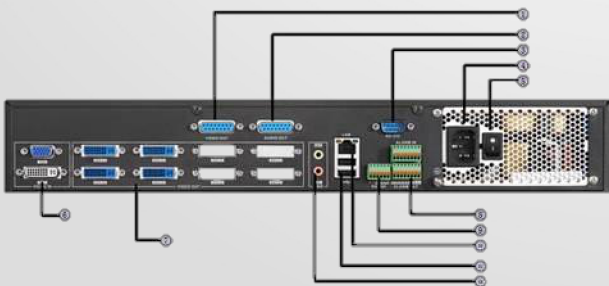
- 1. BNC Video Output
- 2. Audio Out (DB15 Connector)
- 3. RS232 Serial Interface
- 4. 220 VAC Power Supply
- 5. Power Switch
- 6. DVI Output
- 7. VGA/DVI Input
- 8. Alarm In/Alarm Out
- 9. RS485 Interface
- 10. 10/100/1000Mbps Ethernet Interface
- 11. USB Interface
- 12. Two-way Audio

Front Panel of DS-6404/6408HDI-T



- 1. Power LED Indicator
- 2. Network Connection LED Indicator
- 3. Data Transmitting/Receiving LED Indicator

Rear Panel of DS-6404HDI-T



- 1. BNC Video Output
- 2. Audio Out (DB15 Connector)
- 3. RS232 Serial Interface
- 4. 220 VAC Power Supply
- 5. Power Switch
- 6. DVI Output
- 7. VGA/DVI Input
- 8. Alarm In/Alarm Out
- 9. RS485 Interface
- 10. 10/100/1000Mbps Ethernet Interface
- 11. USB Interface
- 12. Two-way Audio

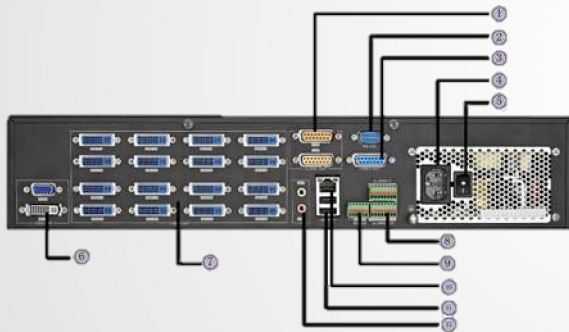
DS-6400HDI-T Series Decoder

Front Panel of DS-6416HDI-T



1. Power LED Indicator
2. Network Connection LED Indicator
3. Data Transmitting/Receiving LED Indicator

Rear Panel of DS-6416HDI-T

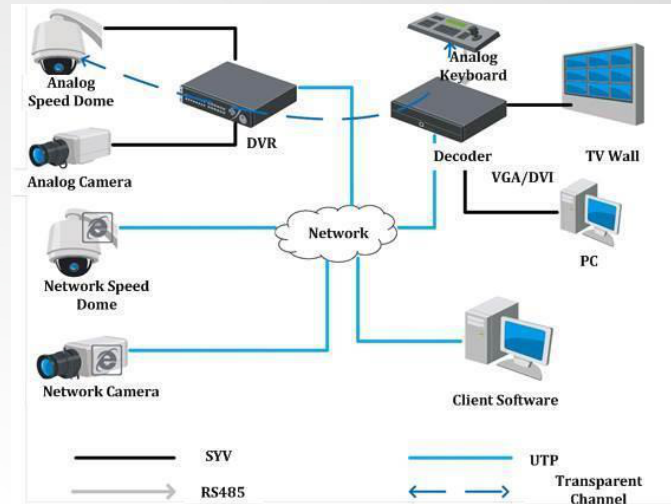


1. Audio Out
2. RS 232 Serial Interface
3. BNC Video Output
4. 220 VAC Power Supply
5. Power Switch
6. DVI Video Output
7. VGA/DVI Video Output
8. Alarm In/Alarm Out
9. RS485 Serial Interface
10. 10/100/1000Mbps Ethernet Interface
11. USB Interface
12. Two-way Audio



DS-6410HDI-T provides 10 DVI interfaces and DS-6412HDI-T provides 12 DVI interfaces.

Typical Application



DS-6400HDI-T Series Decoder

Model		DS-6401HDI-T	DS-6404HDI-T	DS-6408HDI-T
Audio/ Video Output	DVI Output	N/A	4-ch	8-ch
		1920×1080@60/50HZ, 1600×1200@60HZ, 1280×1024@60HZ, 1280×720@60/50HZ, 1024×768@60HZ		
	VGA/HDMI Output	1-ch	N/A	N/A
		1920×1080@60/50HZ, 1600×1200@60HZ, 1280×1024@60HZ, 1280×720@60/50HZ, 1024×768@60HZ		
	BNC Output	1-ch	2-ch	4-ch
Video Fluency Enhancement	Support			
Decoding	Decoding Resolution	8MP@20fps, 6MP@25fps, 5MP@25fps		
	Decoding Capability	8MP: 1-ch 5MP: 2-ch 3MP: 3-ch 1080P: 4-ch 720P: 8-ch 4CIF: 16-ch	8MP: 2-ch 5MP: 4-ch 3MP: 6-ch 1080P: 8-ch 720P: 16-ch 4CIF: 32-ch	8MP: 4-ch 5MP: 8-ch 3MP: 12-ch 1080P: 16-ch 720P: 32-ch 4CIF: 64-ch
	Multi-division Display	1/4/6/8/9/12/16		
External Interface	DVI Input	N/A	1	
	DVI Input Resolution	N/A	1920×1080@60/50HZ, 1600×1200@60HZ, 1280×1024@60HZ, 1280×720@60/50HZ, 1024×768@60HZ, 1280×800@60HZ, 1680×1050@60HZ	
	VGA Input	N/A	1	
	VGA Input Resolution	N/A	1920×1080@60HZ, 1600×1200@60HZ, 1280×1024@60HZ, 1280×720@60/50HZ, 1024×768@60HZ, 1280×800@60HZ, 1680×1050@60HZ	
	Network Interface	1, 10/100/1000 Mbps self-adaptive Ethernet interface		
	Two-way Audio	1-ch input, 1-ch output, 3.5 mm connector (2.0 Vp-p, 1 kΩ)		
	Audio Out	1-ch, 1 RCA interface	4-ch, 1 DB15 interface	8-ch, 1 DB15 interface
	Alarm In	4-ch		
	Alarm Out	4-ch		
General	Power Supply	12 VDC	220VAC	
	Power Consumption	≤15W	≤70W	
	Working Temperature	-10°C ~ 55°C (14°F ~ 131°F)		
	Working Humidity	10% ~ 90%		
	Dimensions (W×D×H)	220×180×45mm (8.66"×7.09"×1.77")	440×340×70mm (17.32"×13.39"×2.76")	
	Weight	≤1.2 kg (2.64lb)	≤5.2 kg (11.46lb)	

DS-6400HDI-T Series Decoder

Model		DS-6410HDI-T	DS-6412HDI-T	DS-6416HDI-T
Audio/ Video Output	DVI Output	10-ch	12-ch	16-ch
		1920×1080@60/50HZ, 1600×1200@60HZ, 1280×1024@60HZ, 1280×720@60/50HZ, 1024×768@60HZ		
	BNC Output	5-ch	6-ch	8-ch
		DB15 connector (used with the DB15-to-BNC adapter)		
	Video Fluency Enhancement	Support		
Audio/Video Decoding	Decoding Resolution	8MP@20fps, 6MP@25fps, 5MP@25fps		
	Decoding Capability	8MP: 5-ch 5MP: 10-ch 3MP: 15-ch 1080P: 20-ch 720P: 40-ch 4CIF: 80-ch	8MP: 6-ch 5MP: 12-ch 3MP: 18-ch 1080P: 24-ch 720P: 48-ch 4CIF: 90-ch	8MP: 8-ch 5MP: 16-ch 3MP: 24-ch 1080P: 32-ch 720P: 64-ch 4CIF: 100-ch
	Multi-division Display	1/4/6/8/9/12/16		
External Interface	DVI Input	1		
	DVI Input Resolution	1920×1080@60/50HZ, 1600×1200@60HZ, 1280×1024@60HZ, 1280×720@60/50HZ, 1024×768@60HZ, 1280×800@60HZ, 1680×1050@60HZ		
	VGA Input	1		
	VGA Input Resolution	1920×1080@60HZ, 1600×1200@60HZ, 1280×1024@60HZ, 1280×720@60/50HZ, 1024×768@60HZ, 1280×800@60HZ, 1680×1050@60HZ		
	Network Interface	1, 10/100/1000 Mbps self-adaptive Ethernet interface		
	Two-way Audio	1-ch input, 1-ch output, 3.5 mm connector (2.0 Vp-p, 1 kΩ)		
	Audio Output	10-ch, 2 DB15 interface	12-ch, 2 DB15 interface	16-ch, 2 DB15 interface
	Alarm In	4		
Alarm Out	4			
General	Power Supply	220VAC		
	Power Consumption	≤108W		
	Working Temperature	-10°C ~ 55°C (14°F ~ 131°F)		
	Working Humidity	10% ~ 90%		
	Dimensions (W×D×H)	440×340×88 mm(17.32"×13.39"×3.46")		
	Weight	≤6.4 kg (14.11lb)		