

The top half of the page features a large, abstract graphic. It consists of several concentric semi-circular bands in shades of gray and red. On the left side, there are several groups of short, parallel red lines, resembling a barcode or a data visualization. In the center-right, there is a white target symbol with a central dot and two concentric circles, overlaid on a vertical white line. The overall design is modern and technical.

HIKVISION

Network Audio/Video Encoder

Quick Start Guide

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Quick Start Guide

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About this Manual

This Manual is applicable to Network Audio/Video Encoder.

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website (<http://overseas.hikvision.com/en/>).

Please use this user manual under the guidance of professionals.

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Regulatory Information

FCC Information

FCC compliance: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Conditions

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement



This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2004/108/EC, the RoHS Directive 2011/65/EU.



2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.



Safety Instruction

These instructions are intended to ensure that user can use the product correctly to avoid danger or property loss.

The precaution measure is divided into “Warnings” and “Cautions”

Warnings: Serious injury or death may occur if any of the warnings are neglected.

Cautions: Injury or equipment damage may occur if any of the cautions are neglected.

	
Warnings Follow these safeguards to prevent serious injury or death.	Cautions Follow these precautions to prevent potential injury or material damage.



Warnings

- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.
- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 100~240 VAC, 48VDC or 12 VDC according to the IEC60950-1 standard. Please refer to technical specifications for detailed information.
- Do not connect several devices to one power adapter as adapter overload may cause over-heating or a fire hazard.
- Please make sure that the plug is firmly connected to the power socket.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.

Preventive and Cautionary Tips

Before connecting and operating your device, please be advised of the following tips:

- Ensure unit is installed in a well-ventilated, dust-free environment.
- Unit is designed for indoor use only.
- Keep all liquids away from the device.
- Ensure environmental conditions meet factory specifications.
- Ensure unit is properly secured to a rack or shelf. Major shocks or jolts to the unit as a result of dropping it may cause damage to the sensitive electronics within the unit.
- Use the device in conjunction with an UPS if possible.
- Power down the unit before connecting and disconnecting accessories and peripherals.
- A factory recommended HDD should be used for this device.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.

Installation

Pre-Installation

The DS-6700 Series Audio/Video Encoder is a highly advanced surveillance equipment that should be installed with care. Please take into consideration the following precautionary steps before installation of the Encoder.

1. Keep all liquids away from the Encoder.
2. Install the Encoder in a well-ventilated and dust-free area.
3. Ensure environmental conditions meet factory specifications.
4. Install a manufacturer recommended HDD (for DS-6700HWI / HFI-SATA).

Installation

During the installation of the Encoder:

1. Use brackets for rack mounting.
2. Ensure there is ample room for audio and video cables.
3. When installing cables, ensure that the bend radius of the cables are no less than five times than its diameter.
4. Connect both the alarm and RS-485 cable.
5. Allow at least 2cm (≈ 0.75 in) of space between racks mounted devices.
6. Ensure the Encoder is grounded.
7. Environmental temperature should be within the range of $-10\text{ }^{\circ}\text{C} \sim 55\text{ }^{\circ}\text{C}$, $14\text{ }^{\circ}\text{F} \sim 131\text{ }^{\circ}\text{F}$.
8. Environmental humidity should be within the range of 10% ~ 90%.

Hard Disk Installation

This section is applicable to DS-6700HWI/HFI-SATA models only which can be installed with HDD for recording.

Prior to Installation

The device is factory installed with no hard disk. Refer to the following instructions to install the hard disk according to the total capacity calculated in terms of the *Schedule Recording Settings*. The installation and removal of the hard disk should be operated by qualified professionals.

Before installing a hard disk drive (HDD) for DS-6700HWI / HFI-SATA, please make sure the power is disconnected from the device. A factory recommended HDD should be used for this installation.

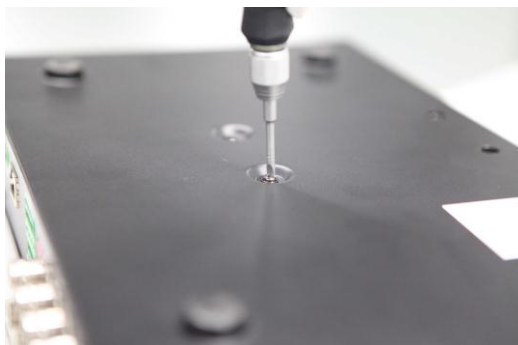
Tools Required: Screwdriver.

Steps:

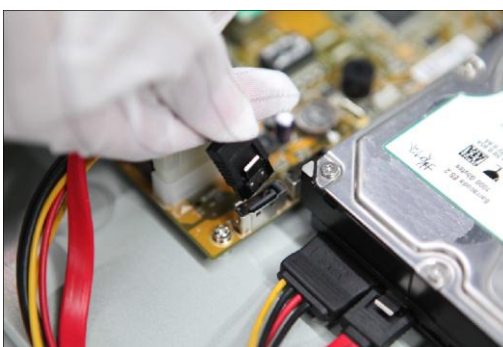
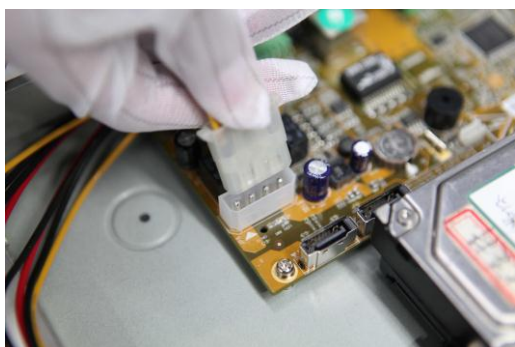
1. Use the screwdriver to unfasten the screws on both sides and rear panel of the device, and then remove the cover from the chassis.



2. Place the HDD into the slot of the chassis and then secure it in position by fastening the screws at the bottom of the chassis.



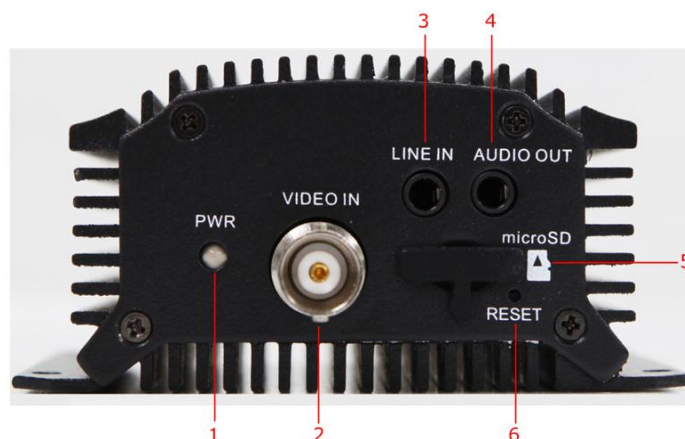
3. Take out the HDD data line from the accessories box. Plug one end of the data line to the circuit board and the other end to the data line port of HDD. Connect the power cord to HDD in the same way.



4. Replace the cover and then tighten the screws on both sides and rear panel of the device.

Front Panel

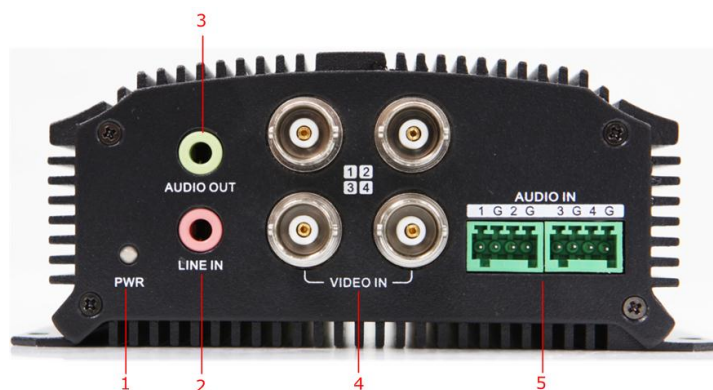
DS-6701HWI/HFI:



Description of front panel:

	Item	Description
1	POWER LED Indicator	Light in red when the device is powered on; light in orange when the SD card is inserted.
2	VIDEO IN	BNC connector for video input.
3	LINE IN	3.5mm interface for two-way audio input or audio input; connect to audio input device or active pick-up, microphone, etc.
4	AUDIO OUT	3.5mm interface; connect to audio output device, e.g., loudspeaker, etc.
5	microSD	microSD interface for data storage.
6	Reset	Restore the factory default settings by holding the <i>RESET</i> button for more than 15 seconds after power is turned on.

DS-6704HWI/HFI:



Description of front panel:

	Item	Description
1	POWER LED Indicator	Light in red when the device is powered on; light in orange when the SD card is inserted.
2	LINE IN	3.5mm two-way audio input interface; connect to active pick-up, microphone, etc.
3	AUDIO OUT	3.5mm interface; connect to audio output device, e.g., loudspeaker, etc.
4	VIDEO IN	BNC interface for video input.
5	AUDIO IN	Line input interface for audio input.

DS-6708HWI/HFI and DS-6708HWI/HFI-SATA:



Description of front panel:

	Indicator	Description
1	POWER	Lights in red when the device is powered on.
2	STATUS	Lights in red when data is being read from or written to HDD. Valid for DS-6708HWI/HFI-SATA model only.
3	Tx/Rx	1. Does not light when the network is not connected; 2. Blinks in green when the data is transmitting / receiving; 3. Blinks at higher frequency when the data for transmitting / receiving is larger.

DS-6716HWI/HFI and DS-6716HWI/HFI -SATA:

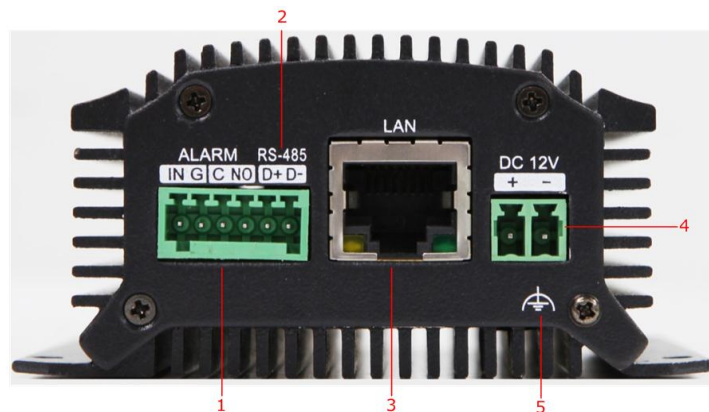


Description of front panel:

	Indicator	Description
1	POWER	Lights in red when the device is powered on.
2	STATUS	Lights in red when data is being read from or written to HDD. Valid for DS-6716HWI/HFI-SATA model only.
3	Tx/Rx	1. Does not light when the network is not connected; 2. Blinks in green when the data is transmitting / receiving; 3. Blinks at higher frequency when the data for transmitting / receiving is larger.

Rear Panel

DS-6701HWI/HFI:

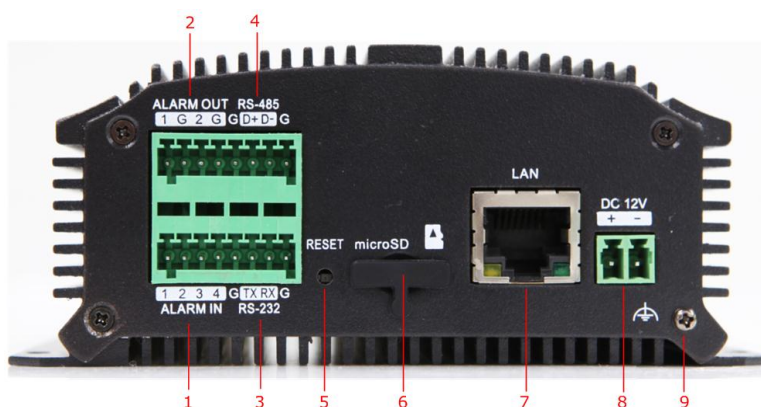


Description of rear panel:

Item	Description
1	ALARM IN /OUT Relay alarm input/output. <i>Note:</i> The alarm output terminal provides no JP2 pin.
2	RS-485 RS-485 serial interface; connect to pan/tilt unit, speed dome, etc.
3	LAN 10M/100Mbps adaptive Ethernet interface (PoE). The right LED indicator lights in green when the network cable is connected, and the left LED indicator blinks in orange when data is transmitting / receiving.
4	DC12V 12V DC power supply.
5	GND Grounding

Note: The DS-6701HWI/HFI model provides no beeper.

DS-6704HWI/HFI:



Description of rear panel:

Item	Description
1	ALARM IN Relay alarm input.
2	ALARM OUT Relay alarm output.
3	RS-232 Serial interface for configuration of device's parameters or used as transparent channel.

4	RS-485	RS-485 serial interface; connect to pan/tilt unit, speed dome, etc.
5	RESET	Restore the factory default settings by holding the <i>RESET</i> button for more than 15 seconds after the device is turned on.
6	microSD	microSD interface for data storage.
7	LAN	10M/100Mbps adaptive Ethernet interface (PoE). The right LED indicator lights in green when the network cable is connected, and the left LED indicator blinks in orange when data is transmitting / receiving.
8	DC12V	12V DC power supply.
9	GND	Grounding

Note: The DS-6704HWI/HFI model provides no beeper.

DS-6708HWI/HFI (-SATA):

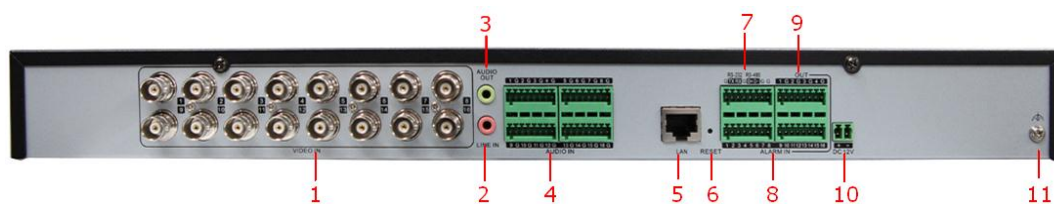


Note: DS-6701/6704 HWI-SATA and DS-6701/6704 HFI-SATA models provide 1/4 video input and 1/4 audio input interfaces on the rear panel.

Description of rear panel:

	Item	Description
1	VIDEO IN	BNC connectors for video input.
2	LINE IN	3.5mm two-way audio input interface; connect to active pick-up, microphone, etc.
3	AUDIO OUT	3.5mm audio output interface; connect to audio output device, e.g., loudspeaker, etc.
4	AUDIO IN	Line input interface for audio input.
5	LAN	10M/100/1000Mbps adaptive Ethernet interface.
6	RESET	Restore the factory default settings by holding the <i>RESET</i> button for more than 15 seconds after the device is turned on.
7	RS-232, RS-485	RS-232 serial interface for configuration of device's parameters or used as transparent channel; RS-485 serial interface for connection to pan/tilt unit, speed dome, etc.
8	ALARM IN	Relay alarm input.
9	ALARM OUT	Relay alarm output.
10	DC12V	12V DC power supply.
11	GND	Grounding

DS-6716HWI/HFI (-SATA):



Description of rear panel:

	Item	Description
1	VIDEO IN	BNC connectors for video input.
2	LINE IN	3.5mm two-way audio interface; connect to active pick-up, microphone, etc.
3	AUDIO OUT	3.5mm audio output interface; connect to audio output device, e.g., loudspeaker, etc.
4	AUDIO IN	Line input interface for audio input.
5	LAN	10M/100/1000Mbps adaptive Ethernet interface.
6	RESET	Restore the factory default settings by holding the <i>RESET</i> button for more than 15 seconds after power is turned on.
7	RS-232, RS-485	RS-232 serial interface for configuration of device's parameters or used as transparent channel; RS-485 serial interface for connection to pan/tilt unit, speed dome, etc.
8	ALARM IN	Relay alarm input.
9	ALARM OUT	Relay alarm output.
10	DC12V	12V DC power supply.
11	GND	Grounding

Specifications

DS-6700HFI:

Model		DS-6701HFI	DS-6704HFI	DS-6708HFI	DS-6716HFI
Video/ Audio input	Video Compression	H.264/MPEG4/MPEG2/MJPEG			
	Video input	1-ch	4-ch	8-ch	16-ch
		BNC (1.0 Vp-p, 75 Ω)			
	Audio Compression	G.711u			
	Audio Input	1-ch	4-ch	8-ch	16-ch
1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ) (LINE IN)		Line input interface (2.0 Vp-p, 1 kΩ)			
Two-way audio input	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ) (LINE IN)	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)			
Video/ Audio output	Audio output	1-ch, 3.5mm interface (Linear, 600 Ω)			
	Recording resolution	4CIF / 2CIF / CIF / QCIF			
	Frame rate	H.264/MPEG4/MPEG2 encoding: 25 fps (P) / 30 fps (N); MJPEG encoding: 15 fps			
	Video bit rate	32 Kbps ~ 3072 Kbps, or user defined (Max. 8192 Mbps)			
	Audio bit rate	64 Kbps			
	Dual Stream	Support			
	Stream Type	Video / Video & Audio			
Data storage	Type	NAS, iSCSI, IPSAN, microSD		NAS, iSCSI, IPSAN	
	Capacity	Up to 4 TB capacity for each disk, and 32G for microSD storage			
External interface	Network interface	1 RJ-45 10 M / 100 Mbps adaptive Ethernet interface (PoE)		1 RJ-45 10 M / 100 M /1000 Mbps adaptive Ethernet interface	
	Protocols and Service	IPv4/v6, HTTP, HTTPS, QoS layer3 DiffServ, FTP, SMTP, Bonjour, UPnP™, Multicast, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, HiDDNS, NTP, RTSP, RTP/RTCP, TCP, UDP, IGMP, ICMP, DHCP, ARP, SOCKSv4/v5, PSIA, ONVIF, CGI, IEEE802.1X, netFilter			
	Serial interface	1 half-duplex RS-485 interface	1 half-duplex RS-485 interface; 1 RS-232 interface		
	Alarm in	1	4	8	16
	Alarm out	1	2	4	4
General	Power supply	12 VDC			
	Power Consumption	≤ 6W	≤ 8W	≤ 10W	≤ 22W
	Working temperature	-10 °C ~ +55 °C			
	Working humidity	10% ~ 90%			
	Dimensions (W × D × H)	80 × 90 × 39mm	114 × 128 × 48mm	315 × 200 × 45mm	440 × 274 × 45mm
	Weight	≤ 0.5 Kg	≤ 1 Kg	≤ 2 Kg	≤ 4 Kg

DS-6700HFI-SATA:

Model		DS-6701HFI-SATA	DS-6704HFI-SATA	DS-6708HFI-SATA	DS-6716HFI-SATA
Video/ Audio input	Video Compression	H.264/MPEG4/MPEG2/MJPEG			
	Video input	1-ch	4-ch	8-ch	16-ch
		BNC (1.0 Vp-p, 75 Ω)			
	Audio Compression	G.711u			
	Audio input	1-ch	4-ch	8-ch	16-ch
		Line input interface (2.0 Vp-p, 1 kΩ)			
Two-way audio input	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)				
Video/ Audio output	Audio output	1-ch, 3.5mm interface (Linear, 600 Ω)			
	Recording resolution	4CIF / 2CIF / CIF / QCIF			
	Frame rate	H.264/MPEG4/MPEG2 encoding: 25 fps (P) / 30 fps (N); MJPEG encoding: 15 fps			
	Video bit rate	32 Kbps ~ 3072 Kbps, or user defined (Max. 8192 Mbps)			
	Audio bit rate	64 Kbps			
	Dual Stream	Support			
	Stream Type	Video / Video & Audio			
Data storage	Type	SATA, NAS, iSCSI, IPSAN			
	SATA	1 SATA interface			
	Capacity	Up to 4 TB capacity for each disk			
External interface	Network interface	1 RJ-45 10 M / 100 M /1000 Mbps adaptive Ethernet interface			
	Protocols and Service	IPv4/v6, HTTP, HTTPS, QoS layer3 DiffServ, FTP, SMTP, Bonjour, UPnP TM , Multicast, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, HiDDNS, NTP, RTSP, RTP/RTCP, TCP, UDP, IGMP, ICMP, DHCP, ARP, SOCKSv4/v5, PSIA, ONVIF, CGI, IEEE802.1X, netFilter			
	Serial interface	1 half-duplex RS-485 interface; 1 RS-232 interface			
	Alarm in	8	8	8	16
	Alarm out	4			
General	Power supply	12 VDC			
	Power consumption (without HDD)	≤ 10W			≤ 22W
	Working temperature	-10 °C ~ +55 °C			
	Working humidity	10% ~ 90%			
	Dimensions (W × D × H)	315 × 200 × 45 mm			440 × 274 × 45 mm
	Weight (without HDD)	≤ 2 Kg			≤ 4 Kg

DS-6700HWI:

Model		DS-6701HWI	DS-6704HWI	DS-6708HWI	DS-6716HWI
Video/ Audio input	Video Compression	H.264/MPEG4/MPEG2/MJPEG			
	Video input	1-ch	4-ch	8-ch	16-ch
		BNC (1.0 Vp-p, 75 Ω)			
	Audio Compression	G.711u			
	Audio Input	1-ch	4-ch	8-ch	16-ch
		1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ) (LINE IN)	Line input interface (2.0 Vp-p, 1 kΩ)		
Two-way audio input	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ) (LINE IN)	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)			
Video/ Audio output	Audio output	1-ch, 3.5mm interface (Linear, 600 Ω)			
	Recording resolution	WD1 / 4CIF / 2CIF / CIF / QCIF (WD1: 960×576/PAL, 960×480/NTSC)			
	Frame rate	H.264/MPEG4/MPEG2 encoding: 25 fps (P) / 30 fps (N); MJPEG encoding: 15 fps			
	Video bit rate	32 Kbps ~ 3072 Kbps, or user defined (Max. 8192 Mbps)			
	Audio bit rate	64 Kbps			
	Dual Stream	Support			
	Stream Type	Video / Video & Audio			
Data storage	Type	NAS, iSCSI, IPSAN, microSD		NAS, iSCSI, IPSAN	
	Capacity	Up to 4 TB capacity for each disk, and 32G for microSD storage			
External interface	Network interface	1 RJ-45 10 M / 100 Mbps adaptive Ethernet interface (PoE)		1 RJ-45 10 M / 100 M /1000 Mbps adaptive Ethernet interface	
	Protocols and Service	IPv4/v6, HTTP, HTTPS, QoS layer3 DiffServ, FTP, SMTP, Bonjour, UPnP™, Multicast, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, HiDDNS, NTP, RTSP, RTP/RTCP, TCP, UDP, IGMP, ICMP, DHCP, ARP, SOCKSv4/v5, PSIA, ONVIF, CGI, IEEE802.1X, netFilter			
	Serial interface	1 half-duplex RS-485 interface	1 half-duplex RS-485 interface; 1 RS-232 interface		
	Alarm in	1	4	8	16
	Alarm out	1	2	4	4
General	Power supply	12 VDC			
	Power Consumption	≤ 6W	≤ 8W	≤ 10W	≤ 22W
	Working temperature	-10 °C ~ +55 °C			
	Working humidity	10% ~ 90%			
	Dimensions (W × D × H)	80 × 90 × 39mm	114 × 128 × 48mm	315 × 200 × 45mm	440 × 274 × 45mm
	Weight	≤ 0.5 Kg	≤ 1 Kg	≤ 2 Kg	≤ 4 Kg

DS-6700HWI-SATA:

Model		DS-6701HWI-SATA	DS-6704HWI-SATA	DS-6708HWI-SATA	DS-6716HWI-SATA
Video/ Audio input	Video Compression	H.264/MPEG4/MPEG2/MJPEG			
	Video input	1-ch	4-ch	8-ch	16-ch
		BNC (1.0 Vp-p, 75 Ω)			
	Audio Compression	G.711u			
	Audio input	1-ch	4-ch	8-ch	16-ch
Line input interface (2.0 Vp-p, 1 kΩ)					
Two-way audio input	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)				
Video/ Audio output	Audio output	1-ch, 3.5mm interface (Linear, 600 Ω)			
	Recording resolution	WD1 / 4CIF / 2CIF / CIF / QCIF (WD1: 960×576/PAL, 960×480/NTSC)			
	Frame rate	H.264/MPEG4/MPEG2 encoding: 25 fps (P) / 30 fps (N); MJPEG encoding: 15 fps			
	Video bit rate	32 Kbps ~ 3072 Kbps, or user defined (Max. 8192 Mbps)			
	Audio bit rate	64 Kbps			
	Dual Stream	Support			
	Stream Type	Video / Video & Audio			
Storage	Type	SATA, NAS, iSCSI, IPSAN			
	SATA	1 SATA interface			
	Capacity	Up to 4 TB capacity for each disk			
External interface	Network interface	1 RJ-45 10 M / 100 M /1000 Mbps adaptive Ethernet interface			
	Protocols and Service	IPv4/v6, HTTP, HTTPS, QoS layer3 DiffServ, FTP, SMTP, Bonjour, UPnP™, Multicast, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, HiDDNS, NTP, RTSP, RTP/RTCP, TCP, UDP, IGMP, ICMP, DHCP, ARP, SOCKSv4/v5, PSIA, ONVIF, CGI, IEEE802.1X, netFilter			
	Serial interface	1 half-duplex RS-485 interface; 1 RS-232 interface			
	Alarm in	8	8	8	16
	Alarm out	4			
General	Power supply	12 VDC			
	Power Consumption (without HDD)	≤ 10W			≤ 22W
	Working temperature	-10 °C ~ +55 °C			
	Working humidity	10% ~ 90%			
	Dimensions (W × D × H)	315 × 200 × 45mm			440 × 274 × 45mm
	Weight (without HDD)	≤ 2 Kg			≤ 4 Kg

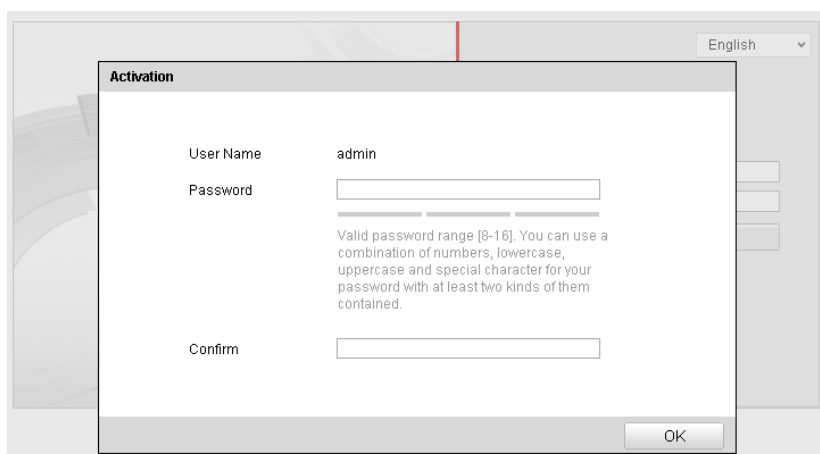
Activation and Initial Network Configuration for the Encoder

Setting the Admin Password via Web Browser

Steps:

1. Power on the encoder, and connect the encoder to the network.
2. Input the IP address into the address bar of the web browser, and click Enter to enter the activation interface.

Note: The default IP address of the network encoder is 192.0.0.64. You are recommended to change the default IP address after your access.



3. Create a password and input the password into the password field.



STRONG PASSWORD RECOMMENDED– We highly recommend that you create a strong password of your own choosing (using 8-16 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend that you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

4. Confirm the password.
5. Click **OK** to save the password and enter the live view interface.

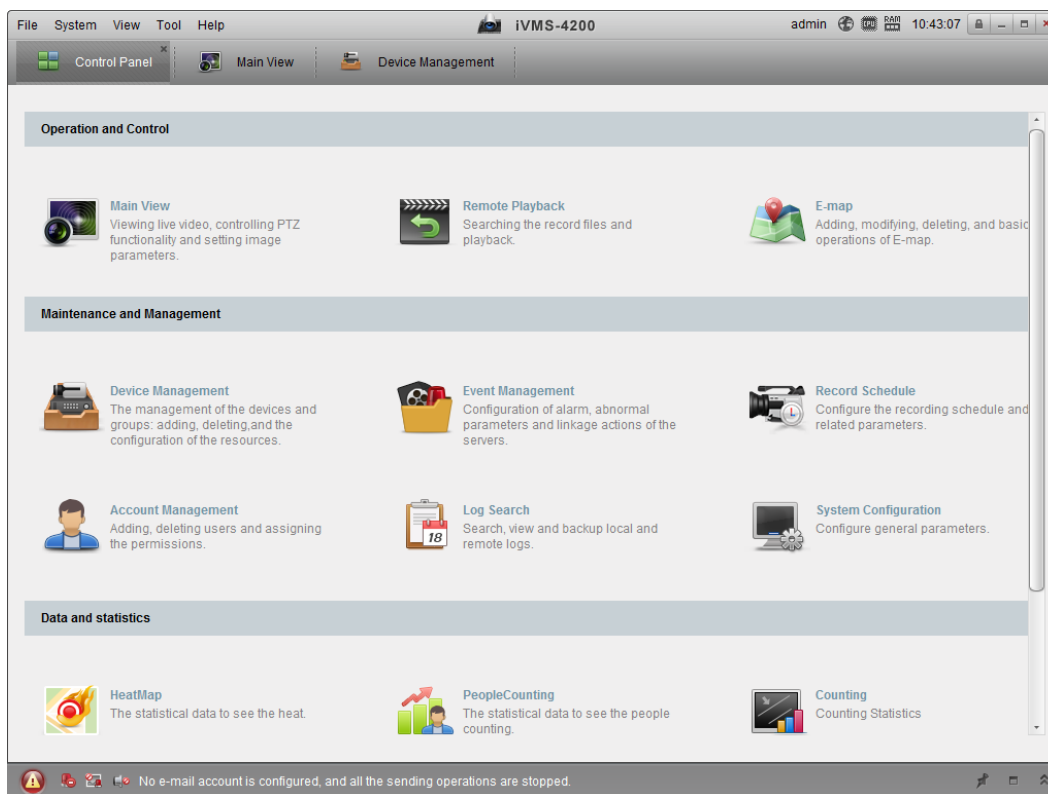
Setting Admin Password and Modifying Network Parameters via Client Software

The client software is versatile video management software for multiple kinds of devices.

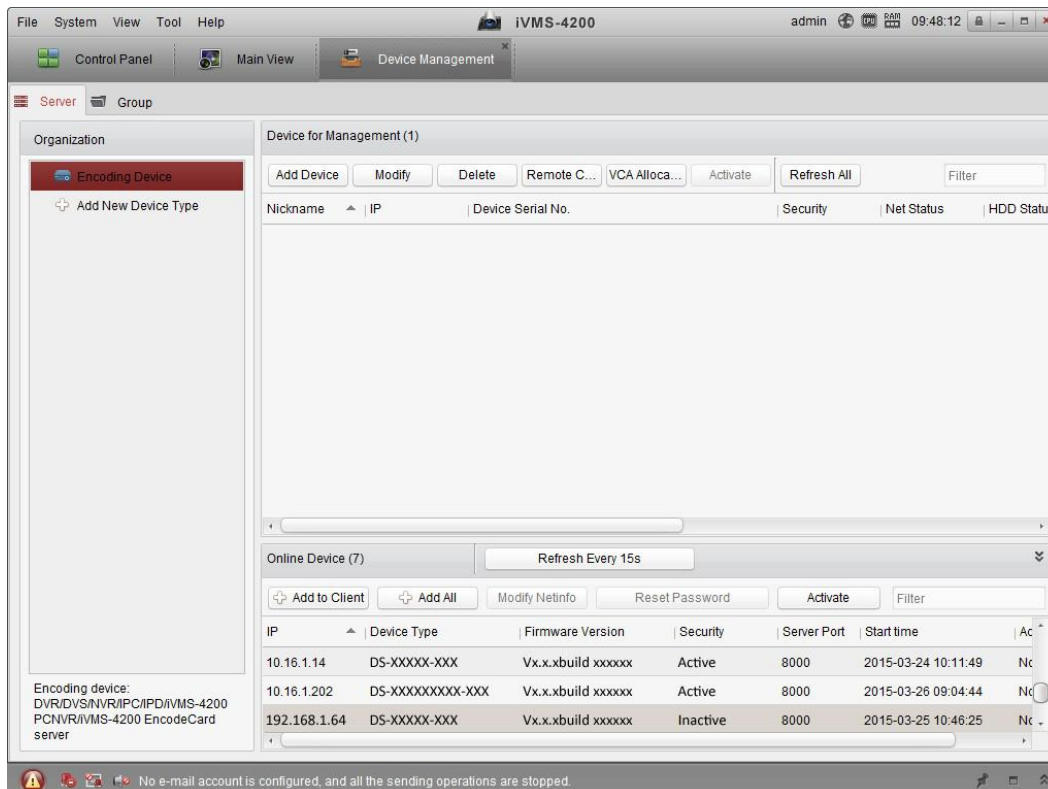
Get the client software from the supplied disk or the official website, and install the software according to the prompts. Follow the steps to activate the camera.

Steps:

1. Run the client software and the control panel of the software pops up, as shown in the figure below.



2. Click the **Device Management** icon to enter the Device Management interface, as shown in the figure below.



3. Check the device status from the device list, and select an inactive device.
4. Click the **Activate** button to pop up the Activation interface.
5. Create a password and input the password in the password field, and confirm the password.



STRONG PASSWORD RECOMMENDED– We highly recommend that you create a strong password of your own choosing (using 8-16 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend that you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

Activation

User Name: admin

Password: [masked]

Strong

Valid password range [8-16]. You can use a combination of numbers, lowercase, uppercase and special character for your password with at least two kinds of them contained.

Confirm New Password: [masked]

Ok Cancel

6. Click **OK** button to start activation.
7. Click the **Modify Netinfo** button to pop up the Network Parameter Modification interface, as shown in the figure below.

Modify Network Parameter

Device Information:

MAC Address: XX-XX-XX-XX-XX-XX Copy

Software Version: Vx.x.xbuild xxxxxx Copy

Device Serial No.: XX-XXXXXXXX-XXXXXXXXXXXXXXXXXX Copy

Network Information:

DHCP

Port: 8000

IPv4(Enable)

IP address: 192.168.1.64

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.64

IPv6(Disable)

Password: [masked]

OK Cancel

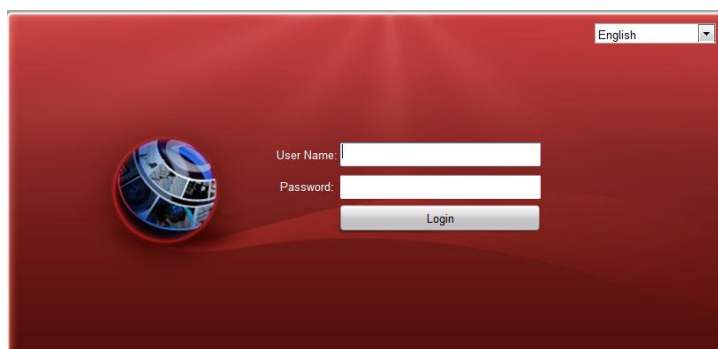
8. Change the device IP address to the same subnet with your computer by either modifying the IP address manually or checking the checkbox of Enable DHCP.
9. Input the password to activate your IP address modification.

Access to DS-6700 by Web Browser

The DS-6700 can also be accessed by WEB Browser for configuration and operation. The supported WEB browsers include: Internet Explorer 6/7/8/9 and above, Firefox 3.5 and above, Chrome 8 and above, Safari 5.0.2 and above.

Open WEB browser, input the IP address of DS-6700 (e.g., <http://192.0.0.64>) and then press the **Enter** key on PC. The login interface is displayed.

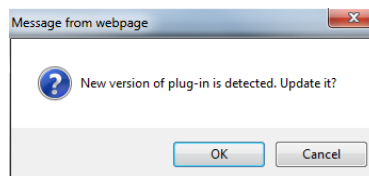
Note: When the HTTPS feature is enabled, the system will use the HTTPS login mode (e.g., <https://192.0.0.64>) by default when you input the IP address. You can also input http://IP_address/index.asp (e.g., <http://192.0.0.64/index.asp>) if you want to use HTTP mode to log into the device.



Input the user name and password to log into the system.

Note: In the Login dialog box, if you have entered the wrong password for 7 times for the admin user or 5 times for the normal user, the current user account will be locked for 60 seconds.


Note: You should download and install the plug-in for the first time to use.













Starting Live View

1. In the live view window, select a playing window by clicking the mouse.
2. Double-click a camera from the device list to start the live view.



3. You can click the  button on the toolbar to start the live view of all cameras on the device list.

Refer to the following table for the description of buttons on the live view window:

Icon	Description
	Select the window-division mode
	Start/Stop live view
	Capture pictures in live view mode
	Manually start/stop recording
	Enable e-PTZ
	Previous page
	Next page
	Audio on/off
	Start/Stop two-way audio
	Switch to full-screen live view mode.

Note: Before using two-way audio function or recording with audio, please select the **Stream Type** to **Video & Audio** under **Remote Configuration > Camera Settings > Video Settings**.

Operating PTZ Control

Before you start:

1. Make sure the encoder is connected with the camera/dome which supports PTZ function. Connect the *R+* and *R-* terminals of the pan/tilt unit or speed dome to RS-485 T+ and RS-485 T- terminals of the DS-6700 respectively.
2. The baud rate, PTZ control and address configured in the **RS-485 Settings** interface (**Remote Configuration > Serial Port Settings > 485 Serial Port**) must be the same with the parameters of the connected pan/tilt unit or speed dome.

Operating PTZ Control

In live view mode, you can use the PTZ control buttons to realize pan/tilt/zoom control of the camera lens.

There will be 8 directional buttons (up, down, left, right, upper left, upper right, bottom left, bottom right) on the display window when the mouse is located in the relative positions.

Click on the directional buttons to control the pan/tilt movement.



Click the zoom/iris/focus buttons to realize lens control.

Refer to the following table for description of PTZ control buttons:

Button	Description
	Zoom in/out
	Focus near/far
	Iris open/close
	Lighter on/off
	Wiper on/off
	Adjust speed of pan/tilt movement (level 1~ 7 is selectable)

Recording

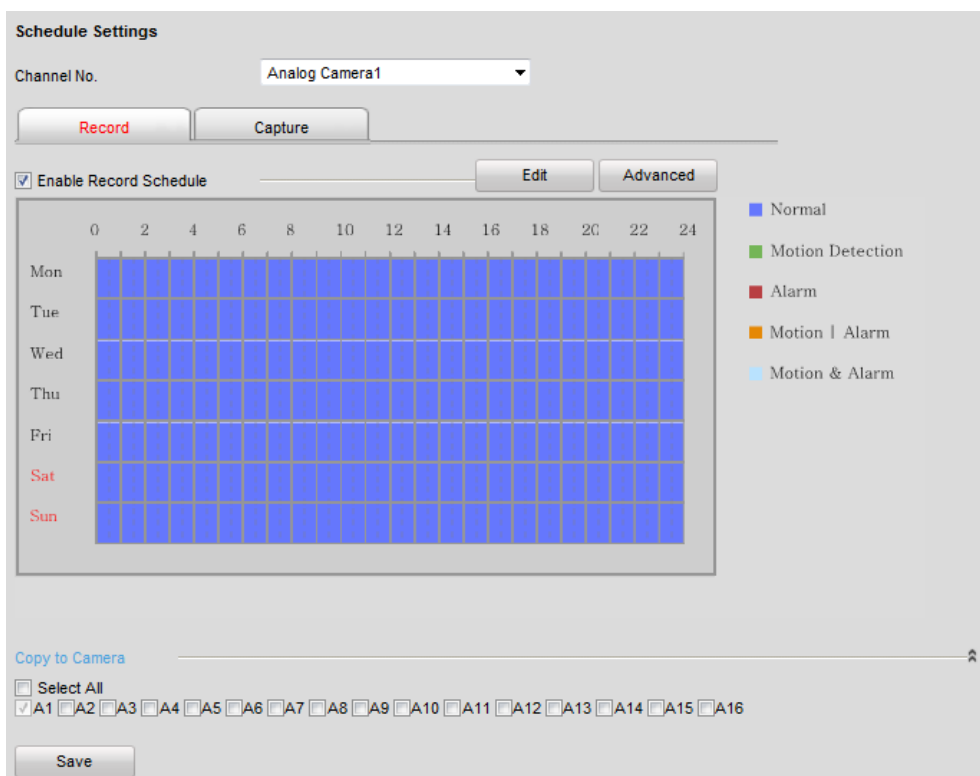
Before you start

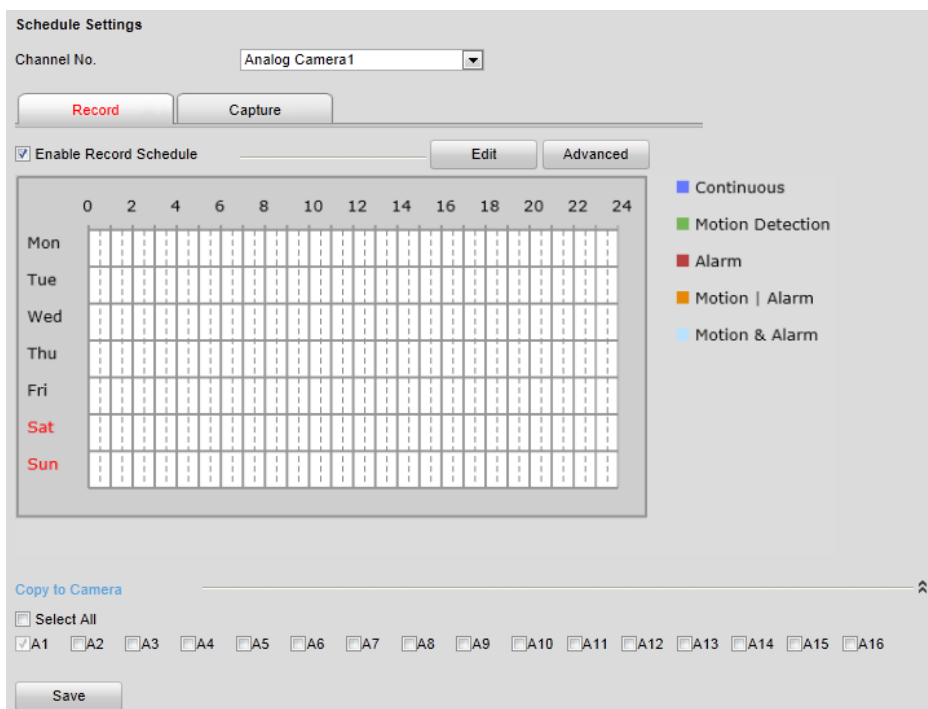
Make sure the Encoder is connected with HDD (for DS-6700HWI/HFI-SATA) or network disk, and the HDD or network disk has been initialized for the first time to use.

Two recording types can be configured: Manual and Scheduled. The following section introduces the configuration of scheduled recording.

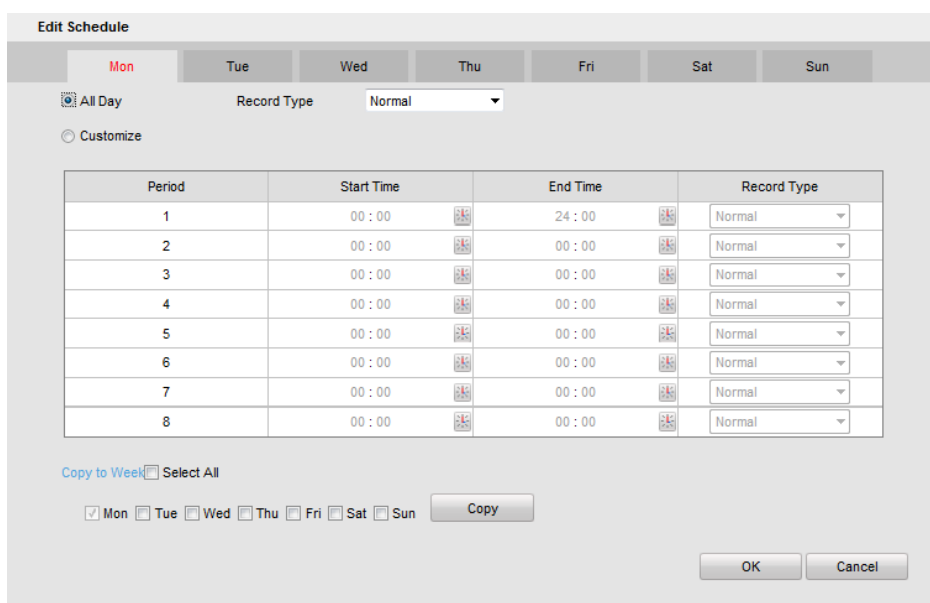
Steps:

1. Click **Remote Configuration> Camera Settings> Schedule Settings** to enter record schedule settings interface.
2. Select the camera to configure the record schedule.
3. Check the checkbox of **Enable Record Schedule** to enable recording schedule.





4. Click **Edit** to enter the Edit Schedule interface.
5. Choose the day in a week to configure scheduled recording.



- 1) Configure All Day or Customized Period Record:
 - If you want to configure the all-day recording, please check the **All Day** checkbox.
 - If you want to record in different time sections, check the **Customize** checkbox. Set the **Start Time** and **End Time** of each period.

Note: The time of each period can't be overlapped. Up to 8 periods can be configured.
 - 2) Select a **Record Type**. The record type can be Normal, Motion, Alarm, Motion & Alarm, and Motion | Alarm.
 - 3) Check the checkbox of **Select All** and click **Copy** to copy settings of this day to the whole week. You can also check any of the checkboxes before the date and click **Copy**.
 - 4) Click **OK** to save the settings and exit the **Edit Schedule** interface.
6. On the Schedule Settings interface, click **Advanced** to configure advanced record parameters.

- Click **Save** to validate the above settings.

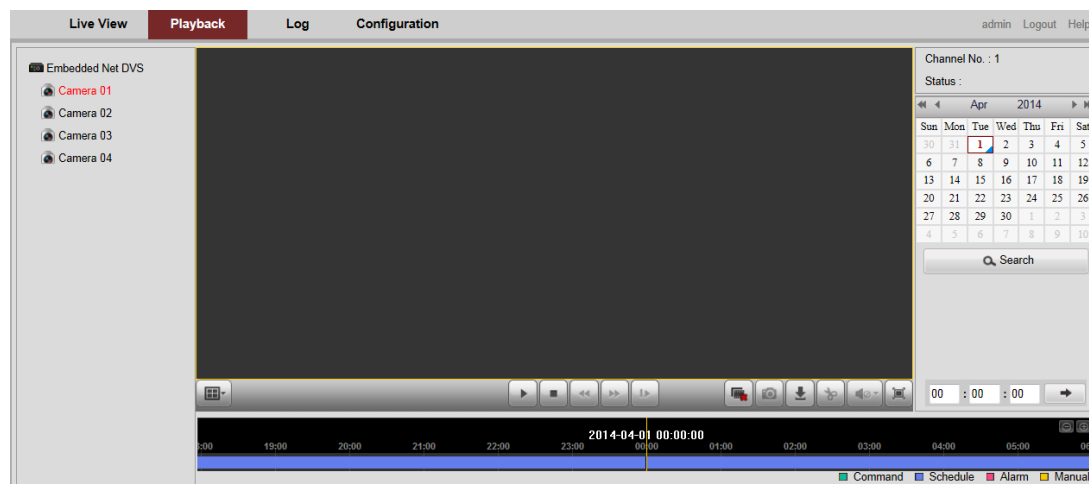
Playback

Purpose:

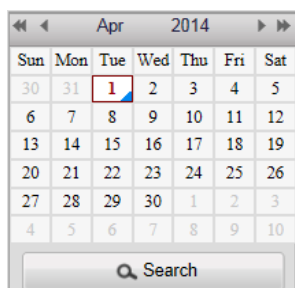
The recorded video files can be remotely played back through the WEB browser.


Steps:

- Click **Playback** on the menu bar to enter playback interface:



- Click the camera from the device list for playback.
- Select the date from the calendar and click **Search**.














- Click the  button to play the video file searched on the current date.



- Use the buttons on the toolbar to operate in playback mode

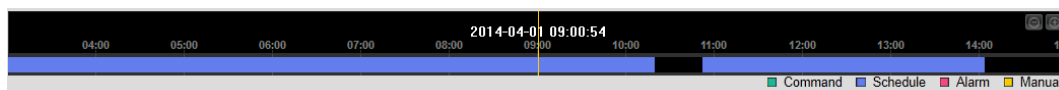
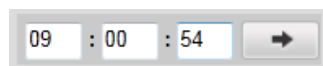


Button	Operation	Button	Operation
	Select window-division mode		Play/Pause
	Stop playing		Slow forward
	Fast forward		Play by single frame
	Stop all channels from playing		Capture pictures in playback mode
	Download video files		Start/Stop clipping video files
	Audio on/off		Switch to full-screen live view mode.

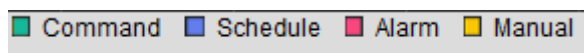
6. You can drag the progress bar with the mouse to locate the exact playback point, or input the time and click



button to locate the playback point.



The color of the video on the progress bar stands for the different video types.



Log

Purpose:

The operation, alarm, exception and information of the device can be stored in log files, which can be viewed and exported at any time.

Before you start

The Log function can be realized only when the Encoder is connected with HDD (for DS-6700HWI/HFI-SATA) or network disk. And make sure the HDD or network disk has been initialized for the first time to use.

Steps:

1. Click **Log** on the menu bar to enter the Log interface.
2. Set the log search conditions to refine your search, including the Major Type, Minor Type, Start Time and End Time.
3. Click the **Search** button to start searching log files.
4. The matched log files will be displayed on the list shown below.

Note: Up to 100 log files can be displayed each time.

Live View Playback Log Configuration							admin Logout
	Time	Major Type	Minor Type	Channel No.	Local/Remote User	Remote Host IP	
1	2012-11-22 00:00:02	Information	Stop Recording	A1		0.0.0.0	
2	2012-11-22 00:00:02	Information	Start Recording	A1		0.0.0.0	
3	2012-11-22 00:00:02	Information	Stop Recording	A2		0.0.0.0	
4	2012-11-22 00:00:02	Information	Start Recording	A2		0.0.0.0	
5	2012-11-22 00:00:02	Information	Stop Recording	A3		0.0.0.0	
6	2012-11-22 00:00:02	Information	Start Recording	A3		0.0.0.0	
7	2012-11-22 00:00:02	Information	Stop Recording	A4		0.0.0.0	
8	2012-11-22 00:00:02	Information	Start Recording	A4		0.0.0.0	
9	2012-11-22 00:00:02	Information	Stop Recording	A5		0.0.0.0	
10	2012-11-22 00:00:02	Information	Start Recording	A5		0.0.0.0	
11	2012-11-22 00:00:02	Information	Stop Recording	A6		0.0.0.0	
12	2012-11-22 00:00:02	Information	Start Recording	A6		0.0.0.0	
13	2012-11-22 00:00:02	Information	Stop Recording	A7		0.0.0.0	
14	2012-11-22 00:00:02	Information	Start Recording	A7		0.0.0.0	
15	2012-11-22 00:00:02	Information	Stop Recording	A8		0.0.0.0	
16	2012-11-22 00:00:02	Information	Start Recording	A8		0.0.0.0	
17	2012-11-22 00:00:02	Information	Stop Recording	A9		0.0.0.0	
18	2012-11-22 00:00:02	Information	Start Recording	A9		0.0.0.0	
19	2012-11-22 00:00:02	Information	Stop Recording	A10		0.0.0.0	
20	2012-11-22 00:00:02	Information	Start Recording	A10		0.0.0.0	
21	2012-11-22 00:00:02	Information	Stop Recording	A11		0.0.0.0	
22	2012-11-22 00:00:02	Information	Start Recording	A11		0.0.0.0	
23	2012-11-22 00:00:02	Information	Stop Recording	A12		0.0.0.0	

Total 694 Items [First Page](#) [Prev Page](#) 1/7 [Next Page](#) [Last Page](#)


Search Log

Major Type
All Types

Minor Type
All Types

Start Time
2012-11-22 00:00:00

End Time
2012-11-22 23:59:59

- You can click the  button to save the searched log files to local directory.

