Network Audio/Video Encoder HER503 series Encoder

Quick Operation Guide

Installation

Pre-Installation

The HER503 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.

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 $2 \text{cm} (\approx 0.75 \text{in})$ of space between racks mounted devices.
- **6.** Ensure the Encoder is grounded.
- 7. Environmental temperature should be within the range of -10 °C \sim 55 °C, 14°F \sim 131°F.
- 8. Environmental humidity should be within the range of $10\% \sim 90\%$.

Hard Disk Installation (not for HER503 Series)

This section is applicable to 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 SATA model, 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.



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

Front Panel

HER503-1:



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 RESET button for more			
		than 15 seconds after power is turned on.			

HER503-4:



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.			

HER503-8:



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 SATA model.				
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.				

HER503-16:



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 SATA model.			
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

HER503-1:



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 HER503-1 model provides no beeper.

HER503-4:



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 RESET 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 HER503-4 provides no beeper.

HER503-8:



Note: SATA models provide 1/4 video input and 1/4 audio input interfaces on the 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 RESET 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				

Description of rear panel:

HER503-16:



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				

Specification

HER503 Series:

Model	HER503-1 HER503-4		HER503-4	HER503-8	HER503-16				
	Video Compression	H.264/MPEG4/MPEG2/M	H.264/MPEG4/MPEG2/MJPEG						
		1-ch	4-ch	8-ch	16-ch				
	Video input	BNC (1.0 Vp-p, 75 Ω)							
Video/ Audio	Audio Compression	G.711u							
input		1-ch	4-ch	8-ch	16-ch				
	Audio Input	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ) (LINE IN)	Line input interface (2.0) Vp-p, 1 kΩ)	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)1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)(LINE IN)						
	Audio output	1-ch, 3.5mm interface (Li	near, 600 Ω)						
	Recording resolution	WD1 / 4CIF / 2CIF / CIF / QCIF (WD1: 960×576/PAL, 960×480/NTSC)							
Video/ Audio	Frame rate	H.264/MPEG4/MPEG2 encoding: 25 fps (P) / 30 fps (N); MJPEG encoding: 15 fps							
output	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	Туре	NAS, iSCSI, IPSAN, mic	roSD	NAS, iSCSI, IPSAN					
storage	Capacity	Up to 4 TB capacity for each disk, and 32G for microSD storage							
	Network interface	1 RJ-45 10 M / 100 Mbps adaptive Ethernet interface (PoE) 1 RJ-45 10 M / 100 M /1000 Mbps a Ethernet interface							
External	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, HIKCGI, netFilter							
interface	Serial interface	1 half-duplex RS-485 interface	1 half-duplex RS-485 in	nterface; 1 RS-232 inter	face				
	Alarm in	1	4	8	16				
	Alarm out	1	2	4	4				
	Power supply	12 VDC							
	Power Consumption	$\leq 6W$	$\leq 8W$	$\leq 10 W$	\leq 22W				
Conorol	Working temperature	$-10^{\circ}C \sim +55^{\circ}C$							
General	Working humidity	10% ~ 90%							
	Dimensions (W \times D \times H)	$80 \times 39 \times 90 \text{ mm}$	$114 \times 48 \times 128 \text{ mm}$	$315 \times 45 \times 200 \text{ mm}$	$440\times45\times274~mm$				
	Weight	\leq 0.5 Kg	$\leq 1 \text{ Kg}$	\leq 2 Kg	\leq 4 Kg				

Configuring Network Parameters

Purpose:

If you don't know the IP address of the decoder and this is not the first time you use the decoder, you can use SADP (IP finder) software or the Serial port tools to find out the IP address of the decoder and to configure the IP address or other network parameters of it. It is recommended to change the default IP address for the first time to use it.

This chapter aims to tell the procedures of using the SADP software to find and configure the IP address and other parameters of the device.

Note:

For the first-time user, the default user name of HER503Series is *admin*, and password is *12345*. And the default IP address is 192.0.0.64.

Searching Online Devices

• Searching online devices automatically

Click **APT-SADP** to run the SADP software and it will automatically search the online devices every 15 seconds from the subnet where your computer locates. It displays the total number and information of the searched devices in the **Online Devices** interface. Device information including the device type, IP address, port number, gateway, etc. will be displayed.

					SADP			- • ×
0	nline Devices	About						
🔍 Tot	al number of onl	ine devices: <mark>5</mark>				Refresh >>	Modify Network Paramet	ers
1D / 001	Device Type HNRT00-32	IPv4 Address 192.168.1.149	Port 8000	Software Version V3.1.0build 140113	IPv4 Gateway 192.168.1.1	Serial No. HINRT00-321620140221BBF	IP Address: Port: Subnet Mask: IPv4 Gateway: IPv6 Address: IPv6 Gateway: IPv6 Gateway: IPv6 Prefix Length: Serial No.: Password Note:Enter the admin before you save the not Restore Default Password Serial code Note: Serial code is a Combined by the start number of the device.	password of the device physicial service and the service rd Confirm series of characters time and the serial
4								

Note: Device can be searched and displayed in the list in 15 seconds after it goes online; it will be removed from

the list in 45 seconds after it goes offline.

Searching online devices manually

You can also click Refresh to refresh the online device list manually. The newly searched devices will be added to the list.

Note: You can click \square or \square on each column heading to order the information; you can click \square to expand the device table and hide the network parameter panel on the right side, or click \square to show the network parameter panel.

Modifying Network Parameters

Steps:

- 1. Select the device to be modified in the device list and the network parameters of the device will be displayed in the **Modify Network Parameters** panel on the right side.
- 2. Edit the modifiable network parameters, e.g., IP address, port number and gateway.
- 3. Enter the password of the admin account of the device in the **Password** field and click **Save** to save the changes.

					SADP		_ = ×
	Online Devices	About					
Q To	tal number of onli	ine devices: <mark>5</mark>				Refresh >>	Modify Network Parameters
ID /	Device Type HNRT00-32	IPv4 Address 192.168.1.149	Port 8000	Software Version V3.1.0build 140113	IPv4 Gateway 192.168.1.1	Serial No. HNRT00-321620140221BBF	IP Address: Port: Subnet Mask: IPv4 Gateway: IPv6 Address: IPv6 Gateway: IPv6 Gateway: IPv6 Gateway: IPv6 Prefix Length: Serial No: Password Serial No: Password Serial No: Restore Default Password Serial code Confirm Note: Serial code is a series of characters Combined by the start time and the serial number of the device.
			0				

##

Access to HER503 Series by Client Software

Click Start→All Programs→iVMS-4200 Client to start the client software. After successful login, you can enter the following main interface of the client software.

Adding Device

Steps:

1. Click **Control Panel > Device Management** to enter the Device Management page:

File System View Tool Help	iVMS-4200	
Control Panel 🔊 Import Camera	Evice Management Main View	09:21:18 CPU 2012-11-20 Network
🕒 Add 🛛 😥 Modify 📅 Delete	Remote Configuration Show Online Devices	Search
Nickname 🗸 IP Serial No.		

2. Click the **Add** button to enter the Add Device interface:

Add Device										
Private Domain Mode										
Nickname:	Encoder									
Address:	172.6.23.67									
Port:	8000									
User Name:										
Password:										
Export To Group										
Show Online Devices	Add Cancel									

3. Edit a nickname for the device and input the IP address, port number (default: 8000), login user name (default: *admin*) and password (default: *12345*) of the device.

Note: If you check the Private Domain Mode checkbox, you can add the device by IP server or HiDDNS.

- 4. Click **Add** to add the device.
- 5. The successfully added device (s) will be displayed on the device list.

File System View Tool Help			M	/IS-4200		
Control P	anel 🔊	Import Camera	Device Management	Kain View	09:24 2012-	5:31 CPU
🕒 Add	Modify	Delete	Remote Configuration	Show Online Devices	Se	arch
Nickname 🗸	IP	Serial No.				
72-SH	172.6.23.186	DS-7216HWI-SH16	20121025AAWR201210134WC	/U		
6700 Encoder	172.9.11.51	DS-6716HW00201	21108BBRR201211083WC			
6700 Encoder	172.9.11.51	DS-6716HW00201	21108BBRR201211083WC			

Starting Live View

Click **Control Panel > Main View** to enter the Live View page:

File System View	Tool Help		iVMS-420	00			≜ - □ ×
Control Panel	🧃 Camera Se	ttings 🛛 📮 Main Vie	w 🎽 🔊 Im	oort Camera		09:55:04 2012-11-22	CPU Network
Search	Q						
9000	~	Serie Cada					
72-SH	▽ 🥌						
6700 Encoder	× 💋						
6700 Encoder_Camera0	1						
6700 Encoder_Camera0	2						
6700 Encoder_Camera03	3						
6700 Encoder_Camera04	4						
6700 Encoder_Camera08	5						
6700 Encoder_Camera06	6						
6700 Encoder_Camera0	7						
6700 Encoder_Camera08	8 4						
6700 Encoder_Camera0	9						
6700 Encoder_Camera10	0						
6700 Encoder_Camera1	1						
6700 Encoder_Camera12	2						
6700 Encoder_Camera1	3						
6700 Encoder_Camera14	4				 		
6700 Encoder_Camera1	5						
6700 Encoder_Camera10	6						
🛃 All File(s)							
🖶 Picture							
	-						
Nov 22							
Thu 2012		A 63			0		
Alarm Event	ᡖ 📕 🍲 Vio	leo Loss Detection Start					* 🖬 🐔

You can click the buttons on the toolbar to operate in the live view mode, e.g., capture picture, start/stop recording, two-way audio, PTZ control (with PTZ camera connected to the encoder), digital zoom, open/close audio, play back video files, etc.

Note: Please refer to the User Manual of iVMS-4200 Client Software for the detailed information.

Access to HER503 series by Web Browser

The HER503 Series 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 HER503 series (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 <u>http://IP address/index.asp</u> (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 (default: admin) and password (default: 12345) to log into the system.

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

Message fro	om webpage	x
?	New version of plug-in is detected. Update it?	
	OK Cancel	

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.

Live View	Playback	Log	Configuration					ad	min L	.ogout
Embedded Net DVS					PT	rz				
Camera 01								+	۵	-
a KE Camera 02	- Cata	-	Territoria Contalia o			0		+		-
a 📾 Camera 03	and and a start		3/1					-	0	-
🙆 📾 Camera 04		-			-	100	10.50	1000	•	
🙆 📾 Camera 05						340			-	
a 📾 Camera 06					-					
a 📾 Camera 07					Pr	reset 1	_			•
a 📾 Camera 08		- 113								(21)
🙆 📾 Camera 09					PT	reset 2				
🗑 📾 Camera 10					Pr	C feser				
A KE Camera 11					Pf	reset 4				
🗑 📾 Camera 12					Pr	reset 5				
a 🖻 Camera 13							-			
🙆 📾 Camera 14					Pr	eseto				
a Camera 15					Pr	reset 7				
a im Camera 16					P/	reset 8				Ŧ
					1	8				
				 GOM	 Vid	leo par	amete	rs		

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.
	Star/Stop live view
0	Capture pictures in live view mode
ų Į	Manually start/stop recording
œ	Enable e-PTZ (must be supported by the connected camera)
+	Previous page
•	Next page
•••	Audio on/off
L	Start/Stop two-way audio

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**.

Full-screen Mode

You can double click on the live video to switch to the full-screen view mode. To switch back to the normal mode, double click on the live video again.

Operating PTZ Control

Before you start:

- 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 HER503 series respectively.
- 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
+ Q	Zoom in/out
+ 🔟 -	Focus near/far
+ 0 -	Iris open/close
·•	Lighter on/off
<th>Wiper on/off</th>	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 SATA model) 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.

All Day	Record Typ	oe Normal	•				
Customize							
Period		Start Time		End Time		Record	д Туре
1		00:00	*	24:00	<u>266</u>	Normal	~
2		00:00	26	00:00		Normal	~
3		00:00	1	00:00	3 8 6	Normal	~
4		00:00	25	00:00	345	Normal	~
5		00:00		00:00	245	Normal	T
6		00:00	*	00:00	345	Normal	~
7		00:00	*	00:00	386	Normal	~
8		00:00	**	00:00	245	Normal	-
_							
y to Week Select A	dl						
Mon 🗖 Tue 🗖 W	/ed 🔲 Thu 🔲	Fri 🔲 Sat 📃 Sun	Сору				

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

Playback

Purpose:

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

Steps:

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



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

* *		Nov		2012							
Sun	Mon	Tue	Wed	Thu	Fri	Sat					
28	29			1	2	3					
4	5	6	7	8	9	10					
11	12	13	14	15	16	17					
18	19	20	21	22	23	24					
25	26	27	28	29	30	1					
2	3	4		6		8					
Q. Search											

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

Live View	Playback	Log	Configuration										ad	min Lo	ogout
Embedded Net DVS			-							Ch: Sta	annel I tus: 1)	No.: 1 Spee	1		
Comero 02	In the state	A REAL PROPERTY.	TATOLE	· · · · ·						41 4		Nov	201	2	F IP
Camera 02	the second second	- Date -	2/1-7							Sun	Mon	Tue V	Ved Th	a Fri	Sat
Camera US													31 1	2	3
Camera 04		2 / -								4	5	6	7 8	9	10
Camera 05										11	12	13	14 1	5 16	17
Camera 06		-1/2	Sures.							18	19	20	21 2	2 23	24
Camera 07										25	26	27	28 2	2 30	
Camera 08															
Camera 09												0,	Search		
Camera 10															
Camera 11															
Camera 12															
Camera 13															
Camera 14															
Camera 15				-	II = [++]	41 44		0 ±	10 40-	00	o .(. 00	00	+	
Camera 16							_				-	-	_		2
					2012-11	-22 09:56:20								1	
	4:00	05:00	05:00 07:00	08:00	09:00	10:00 11	1:00	12:00	13:00		14:00		15:00		
										_				-	

5. Use the buttons on the toolbar to operate in playback mode

	_	11 =	« » Þ 🖷 🖬 🕹	40-			
Button	Operation	Button	Operation				
	Select window-division mode	► II	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			-			

##

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

	butt	on to loc	ate the p	layback	point.							
					09 : 00	00 : 00	•	•				
:00	04:00	05:00	06:00	07:00	201: 08:00	2-11-22 09:00 09 ⁰⁰	00 10:00	11:00	12:00	13:00	14:00	© ⊕ 15
									Command	Schedule	Alarm	Manual

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

🗖 Command 🔲 Schedule 📕 Alarm 🔲 Manual

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 SATA model) 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	Search Log
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	
3	2012-11-22 00	:00:02	Information	Stop Recording	A2		0.0.0.0	Major Type
- 4	2012-11-22 00	00:02	Information	Start Recording	A2		0.0.0	All Types -
5	2012-11-22 00	00:02	Information	Stop Recording	A3		0.0.0.0	Minor Type
6	2012-11-22 00	:00:02	Information	Start Recording	A3		0.0.0.0	All Turner and
7	2012-11-22 00	00.02	Information	Stop Recording	A4		0.0.00	An Tipes
8	2012-11-22 00	00:02	Information	Start Recording	A4		0.0.0	Start Time
9	2012-11-22 00	:00:02	Information	Stop Recording	A5		0.0.0.0	2012-11-22 00:00:00
10	2012-11-22 00	00.02	Information	Start Recording	A5		0.0.0	End Time
11	2012-11-22 00	:00:02	Information	Stop Recording	A6		0.0.0.0	2012-11-22 23:59:59
12	2012-11-22 00	:00:02	Information	Start Recording	A6		0.0.0	
13	2012-11-22 00	00:02	Information	Stop Recording	A7		0.0.00	
14	2012-11-22 00	00.02	Information	Start Recording	A7		0.0.0	Q Search
15	2012-11-22 00	:00:02	Information	Stop Recording	AB		0.0.0.0	
16	2012-11-22 00	00.02	Information	Start Recording	A8		0.0.0	Elementer
17	2012-11-22 00	:00:02	Information	Stop Recording	A9		0.0.0.0	Save Log
18	2012-11-22 00	00.02	Information	Start Recording	A9		0.0.0	
19	2012-11-22 00	:00:02	Information	Stop Recording	A10		0.0.00	
20	2012-11-22 00	00:02	Information	Start Recording	A10		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	
23	2012-11-22 00	00.02	Information	Stop Recording	A12		0.0.00	
					Total	694 Items First Page Prev Pag	e 1/7 Next Page Last Page	t

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

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