

DS-6900UDI(C) Series Ultra HD Video and Audio Decoder

User Manual

Legal Information

About this Document

- This Document 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 Document is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version of the Document at the Hikvision website (<u>https://www.hikvision.com</u>). Unless otherwise agreed, Hangzhou Hikvision Digital Technology Co., Ltd. or its affiliates (hereinafter referred to as "Hikvision") makes no warranties, express or implied.
- Please use the Document with the guidance and assistance of professionals trained in supporting the Product.

About this Product

- This product can only enjoy the after-sales service support in the country or region where the purchase is made.
- If the product you choose is a video product, please scan the following QR code to obtain the "Initiatives on the Use of Video Products", and read it carefully.



Acknowledgment of Intellectual Property Rights

- Hikvision owns the copyrights and/or patents related to the technology embodied in the Products described in this Document, which may include licenses obtained from third parties.
- Any part of the Document, including text, pictures, graphics, etc., belongs to Hikvision. No part of this Document may be excerpted, copied, translated, or modified in whole or in part by any means without written permission.
- **HIKVISION** and other Hikvision's trademarks and logos are the properties of Hikvision in various jurisdictions.
- Other trademarks and logos mentioned are the properties of their respective owners.
- HDMI[®] The terms HDMI and HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

LEGAL DISCLAIMER

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, THIS DOCUMENT AND THE PRODUCT DESCRIBED, WITH ITS HARDWARE, SOFTWARE AND FIRMWARE, ARE PROVIDED "AS IS" AND "WITH ALL FAULTS AND ERRORS". HIKVISION MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY, SATISFACTORY QUALITY, OR FITNESS FOR A PARTICULAR PURPOSE. THE USE OF THE PRODUCT BY YOU IS AT YOUR OWN RISK. IN NO EVENT WILL HIKVISION BE LIABLE TO YOU FOR ANY SPECIAL, CONSEQUENTIAL, INCIDENTAL, OR INDIRECT DAMAGES, INCLUDING, AMONG OTHERS, DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, OR LOSS OF DATA, CORRUPTION OF SYSTEMS, OR LOSS OF DOCUMENTATION, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY, OR OTHERWISE, IN CONNECTION WITH THE USE OF THE PRODUCT, EVEN IF HIKVISION HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES OR LOSS.

- YOU ACKNOWLEDGE THAT THE NATURE OF THE INTERNET PROVIDES FOR INHERENT SECURITY RISKS, AND HIKVISION SHALL NOT TAKE ANY RESPONSIBILITIES FOR ABNORMAL OPERATION, PRIVACY LEAKAGE OR OTHER DAMAGES RESULTING FROM CYBER-ATTACK, HACKER ATTACK, VIRUS INFECTION, OR OTHER INTERNET SECURITY RISKS; HOWEVER, HIKVISION WILL PROVIDE TIMELY TECHNICAL SUPPORT IF REQUIRED.
- YOU AGREE TO USE THIS PRODUCT IN COMPLIANCE WITH ALL APPLICABLE LAWS, AND YOU ARE SOLELY RESPONSIBLE FOR ENSURING THAT YOUR USE CONFORMS TO THE APPLICABLE LAW. ESPECIALLY, YOU ARE RESPONSIBLE, FOR USING THIS PRODUCT IN A MANNER THAT DOES NOT INFRINGE ON THE RIGHTS OF THIRD PARTIES, INCLUDING WITHOUT LIMITATION, RIGHTS OF PUBLICITY, INTELLECTUAL PROPERTY RIGHTS, OR DATA PROTECTION AND OTHER PRIVACY RIGHTS. YOU SHALL NOT USE THIS PRODUCT FOR ANY PROHIBITED END-USES, INCLUDING THE DEVELOPMENT OR PRODUCTION OF WEAPONS OF MASS DESTRUCTION, THE DEVELOPMENT OR PRODUCTION OF CHEMICAL OR BIOLOGICAL WEAPONS, ANY ACTIVITIES IN THE CONTEXT RELATED TO ANY NUCLEAR EXPLOSIVE OR UNSAFE NUCLEAR FUEL-CYCLE, OR IN SUPPORT OF HUMAN RIGHTS ABUSES.
- IN THE EVENT OF ANY CONFLICTS BETWEEN THIS DOCUMENT AND THE APPLICABLE LAW, THE LATTER PREVAILS.

© Hangzhou Hikvision Digital Technology Co., Ltd. All rights reserved.

Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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

CE 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 2014/30/EU, the LVD Directive 2014/35/EU, 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: <u>www.recyclethis.info</u>



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.

Applicable Models

This manual is applicable to the models listed in the following table.

Series	Model
	DS-6901UDI(C)
	DS-6904UDI(C)
	DS-6908UDI(C)
D2-69000DI Decodel	DS-6910UDI(C)
	DS-6912UDI(C)
	DS-6916UDI(C)

About the Default

Item	Default Value
User name	admin
Device IP address	192.0.0.64
SSH login	User name: admin Password: same as the device

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description	
i Note	Provides additional information to emphasize or supplement important points of the main text.	
A Caution	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.	
Danger	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.	

Safety Instructions

• 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.

Use the power adapter delivered with the device only.

• If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the product yourself. (We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.)

• 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.

• Please enhance the protection for personal information and data security as the device may be confronted with the network security problems when it is connected to the Internet. Please contact your dealer or the nearest service center once you find that there may be the network security problems.

• Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.

Caution

• Do not drop the device or subject it to physical shock, and do not expose it to high electromagnetism radiation. Avoid the equipment installation on vibrations surface or places subject to shock (ignorance can cause equipment damage).

- Do not expose the device to the explosive situation.
- Keep clean and dry on the surface of the device.
- Do not touch the exposed connection points or components when the device is powered on.

Caution

• The equipment is a system level monitoring device, usually placed in the central computer room of each level of monitoring system for use. The selection of its installation site should comply with the relevant standards for the construction of computer rooms in the country and region where it is used.

• The equipment is a standard rack, mounted device fixed in the cabinet for use. Please pay attention to the following during installation and use:

- Ensure that the temperature inside the cabinet is within the range of 0 °C~45 °C.
- Ensure that the humidity in the computer room is between 10%~90% RH.

• Ensure that the cabinet is sturdy enough to support the weight of the equipment and its accessories, and pay attention to avoiding hazards caused by uneven mechanical loads during installation.

• Ensure that there is sufficient installation space for the video and audio cables, and the bending radius of the cables should not be less than 5 times the outer diameter of the cables.

• Ensure a good ventilation environment, and it is recommended to install the equipment with a ground clearance of more than 50 cm.

Contents

Chapter 1 Introduction	1
1.1 Provisons	1
1.2 Product Introduction	1
1.3 Manangement Software Description	1
Chapter 2 Video Wall Configuration	2
2.1.Web Login	2
2.2 Video Wall Configuration	3
2.2.1 Edit Video Wall Dimensions	3
2.2.2 Connect with Video Wall	4
2.2.3 Other Configurations	6
2.3 Network Signal Source Management	8
2.3.1 Add by IP Address	8
2.3.2 Add by DDNS	11
2.3.3 Add by URL	
2.4 Video Wall Operation	
2.4.1 Edit Decoding Window	14
2.4.2 Signal Source Operations	
2.4.3 View Decoding Status	16
2.4.4 Scene Management	
Chapter 3 General Configuration	19
3.1 System Configuration	
3.1.1 Check Basic Information	
3.1.2 Configure Time Settings	
3.1.3 Configure Serial Ports	21
3.1.4 Manage Users	24
3.2 Network Configuration	27
3.2.1 Configure Network Parameters	27
3.2.2 Configure HTTP(S)	27
3.3 Configure Encoding Devices	
3.4 Event Configuration	
3.4.1 Configure Device Exception Alarms	
3.4.2 Configure Device Working Status Alarms	
3.5 Other Settings	
3.5.1 Split Image to Get Sub-stream	
3.5.2 Configure Display Settings	
3.5.3 Configure Decoding Delay	
Chapter 4 Maintenance and Security	34
4.1 System Maintenance	
4.1.1 Reboot	
4.1.2 Upgrade	
4.1.3 Backup and Restore	

4.1.4 Log	
4.1.5 Device Debugging	
4.2 Security Management	37
4.2.1 IP Filtering Control	
4.2.2 Certificate Management	
4.2.3 SADP	
4.2.4 Syslog	
4.2.5 WebSocket	
Chapter 5 Device Information	40
5.1 Check Device Status	40
5.2 Screen Maintenance	40
Chapter 6 More Information	43

Chapter 1 Introduction

1.1 Provisons

In order to simplify the description, the following provisions are made in this manual:

- Smart Wall software are referred to as "Client Software".
- "Click" means clicking the left mouse button. "Double Click" refers to double clicking the left mouse button. "Right Click" means clicking the right mouse button.
- The figures in this manual are only examples, please refer to the actual software interface for details.

1.2 Product Introduction

DS-6900UDI(C) series decoder is developed on the basis of embedded hardware platform, and it supports multiple video stream formats like H.265, H.264+, H.264, with strong decoding performance and supports 4K30 ultra high definition output. It is widely used in various video monitoring system projects.

1.3 Manangement Software Description

The decoder can be managed and configured through the Smart Wall Client. For specific operation methods, please refer to Chapter 5 Device Information. You can also manage and configure through the corresponding platform software. For platform software operations, please refer to the corresponding manual.

Chapter 2 Video Wall Configuration

You can add signal source, decode video on the video wall, manage scenes, and so on, through the web.

2.1.Web Login

Enter the IP address of the decoder on the address bar of web browser, and enter the user name and password in the login page.



Figure 2-1 Login Page

Click **Login** to enter the Welcome page.

Welcor	ne					① admin ∽
函	Video Wall1 ~		Display Output No.	Cefresh Unlink All Out Output	- 100% + 0	Edit Video Wall Dimen
Overview		Q				
Video Wall Operation	✓ BNC					
	LCD BNC1	ŝ				
Wall Configuration	✓ HDMI		8			
ľ	HDMI1	:@3				
Screen Maintenance	HDMI2	鐐	8			
{ुर्} Configuration िि्	HDMI3 1080P_60HZ(1920*1080)	\$ \$	Ø	Ø		
Maintenance and Security	HDMI4 1080P_60HZ(1920*1080)	ŝ	Ø			

Figure 2-2 Welcome Page

2.2 Video Wall Configuration

Click Video Wall Configuration to enter the corresponding page.

Welcor	ne					① admin ∨
函	Video Wall1 ~		Display Output No.	Cefresh Unlink All Out Output	- 100% + 0	erati Edit Video Wall Dimen
Overview		Q				
Video Wall Operation	✓ BNC					
	LCD BNC1	慾				
Wall Configuration	✓ HDMI		R	~		
le:		<i>1</i> 03				
Screen Maintenance	1080P_60H2(1920*1080)		8	\$		
¢¢	LCD HDMI2 1080P_60HZ(1920*1080)	\$3 \$				
Configuration	HDMI3 1080P_60HZ(1920*1080)	錼	\oslash			
Maintenance and Security	HDMI4 1080P_60HZ(1920*1080)	\$ <u>3</u>	\oslash			

Figure 1-1 Video Wall Configuration

2.2.1 Edit Video Wall Dimensions

Click **Video Wall Configuration** > **Edit Video Wall Dimensions** in the upper-right corner of the page to set video wall dimensions (row × column). Enter the number of screens in row and column. Click **Save**.



Figure 2-4 Edit Video Wall Dimensions

2.2.2 Connect with Video Wall

Click **Video Wall Configuration** to drag the output channels from the left-side list to the right display screen to connect them with the video wall.



If all screens of the current video wall are connected, click \boxtimes to cancel the connection first and then drag the output channels to connect once again.

Welco	Welcome O admin ~					
闽	Video Wall1 ~		Display Output No.	Ce 🗞 🔛 Refresh Unlink All Out Output	- 100% + 0	Edit Video Wall Dimen
Overview		Q				
Video Wall Operation	✓ BNC					
	LCD BNC1	1ĝ3				
Wall Configuration	✓ HDMI		⊗	Ø		\bigcirc
ľ		1ĝ3				
Screen Maintenance	HDMI2	鐐	LCD_HDMI1 1080P_60HZ(1920*1080)	8		\oslash
য়ুল Configuration হি	HDMI3 1080P_60HZ(1920*1080)	` ش	\oslash			\oslash
Maintenance and Security	HDMI4 1080P_60HZ(1920*1080)	錼	\oslash			

Figure 2-5 Connect with Video Wall

Click $\,\,^{\textcircled{0}}$ of the output port in the left list to configure the output mode and resolution.

BNC Output Port

Output Name: Customize a name.

Video Format: Select according to actual needs.

Copy To: Copy the BNC output port configuration to other decoders.

Output Port Settings	\times
Decoding Output Name*	
BNC1	
Resolution Settings	
Output Method	
● LCD	
Video Standard	
BNC_MODE_PAL_25HZ	~
Save Copy To Cancel	

Figure 2-6 BNC Output Port

HDMI Output Port

Output Name: Customize a name.

Video Format: Select the output mode of the decoder connected to the display screen, with options for HDMI and DVI. If the decoder is connected to the display screen and uses HDMI output, the output mode can be set to HDMI.

Output Method: Select LCD based on the type of display screen connected to the decoder.

Resolution: Set the resolution based on the display screen.

LCD: When selecting the LCD output method, select the LCD resolution according to the requirement.

Audio Sampling Rate: Select according to actual needs.

Copy To: Copy the HDMI output port configuration to other decoders.

output i oit	Settings	\times
Decoding Output	Name*	
HDMI1		
Output Mode (Configuration	
Output Mode		
HDMI		~
Output Method	ings	
Resolution		
1080P_60HZ(19	20*1080)	~
Audia Configur	ration	
Audio Comigui	Data	

Figure 2-7 HDMI Output Port

2.2.3 Other Configurations

• Edit Output Background

Edit the output background of the single video wall. Click **Output Background** > **I** in the lower right to edit the background color.



Figure 2-8 Select Solid Color Background

• Unlink All Output Ports

Click Unlink All Output Ports, and click Save.

Refresh Unlink All Out Output
LCD_HDMI2 1080P_60HZ(1920*1080)
2 Unlink all export ports?
OK Cancel

Figure 2-9 Unlink All Output Ports

• Display Output No.

Click **Display Output No.** to display the output No.

Refresh

Click **Refresh** to refresh the video wall configuration.

2.3 Network Signal Source Management

Signal source can be added by entering IP address or URL.

2.3.1 Add by IP Address

Step 1 Click Video Wall Operation > Signal Source > \pm to select IP address.

Step 2 Fill in signal source information and stream media information.

- Device Name: Enter a custom name.
- IP Address and Port No.: Enter signal source address and port No..
- User Name and Password: Enter user name and password of the signal source.
- Group: Select the group for the signal source. You can also click + Add Group to add a new group.
- Channel Type:

- Ordinary Network Source: Fill in the number of channels based on the number of channels in the signal source, and check the channels that need to be added.
- Zero Channel Network Source: No channel number needs to be set.

iNote

If the added signal source is NVR, the number of channels needs to be calculated starting from 33, and the first 32 channels are reserved as analog channels. For example, to add a **32** channel NVR, the number of channels needs to be set to 32 + **32**=64.

Step 3 Click **More** to select transfer protocol, stream type, device manufacturer and stream IP address.

- Transfer Protocol: Support TCP and UDP.
- Stream Type: Support main stream, sub-stream, and third stream.
- Encrypted Stream: When Enabled, the stream can be encrypted, and a secret key needs to be set at the same time.
- Device Manufacturer: Select the manufacturer to which the signal source belongs.
- Get Stream via Streaming Server: Enable according to the requirement, and set the stream media IP address, port and transmission protocol simultaneously. Transfer real-time preview data through streaming media servers to reduce network pressure.

Add Signal Sour	ce	\times
IP Address	DDNS	URL
IP Address*		
Port No.*		
8000		
User Name*		
admin		
Password*		
		Ŕ
Group*		
+ Add Group	1	
Channel Type		
Conventional Network	c Source	~
Number of Channels*		
64		
Select Channel (Enter	Channel No. First)	
Select All		
Channel: 1 Ch	annel: 2 🗌 Channel: 3	Channel: 4
Channel: 5 Ch	annel: 6 🗌 Channel: 7	Channel: 8
Channel: 9 Ch	annel: 10 🗌 Channel:	11 Channel: 12
Channel: 13 C	hannel: 14 🔄 Channel:	: 15 Channel: 16
	hannel: 22 🗌 Channel:	: 19 Channel: 20
more 👻		
Save	ancel	

Figure 2-10 Add Signal Source by IP Address

Step 4 Click Save.

Step 5 (Optional) Perform the following operations.

- Click 🖉 to modify the information like Device Name, Transmission Protocol, Group, Getting Stream via Stream Media of the Added Signal Source.
- Click $\overline{\blacksquare}$ to delete the signal source that has already been added.

iNote

If the network signal source has been decoded onto the video wall, editing or deleting is not supported.

2.3.2 Add by DDNS

Step 1 Click Video Wall Operation > Signal Source > + to select DDNS.

Step 2 Fill in signal source information and stream media information.

- Device Name: Customized entering.
- Host IP Address and Port No.: Entering signal source host IP address and port number.
- User Name and Password: Entering user name and password of the signal source.
- Group: Select the group of the signal source added. You can also click + Add Group to add a new group.
- Channel Type:
- Ordinary Network Source: Fill in the number of channels based on the number of channels in the signal source, and check the channels that need to be added.
- Zero Channel Network Source: No channel number needs to be set.

iNote

If the added signal source is NVR, the number of channels needs to be calculated starting from 33, and the first 32 channels are reserved analog channels. For example, to add a **32** channel NVR, the number of channels needs to be filled in as 32 + 32 = 64.

Step 3 Click **More** to select transfer protocol, stream type, device manufacturer and stream IP address.

- Transfer Protocol: Support TCP and UDP.
- Stream Type: Support main stream, sub-stream, and third stream.
- Encrypted Stream: When Enabled, the stream can be encrypted, and a secret key needs to be set at the same time.
- Device Manufacturer: Select the manufacturer to which the signal source belongs.
- Get Stream via Streaming Server: Enable according to the requirement, and set the stream media IP address, port and transmission protocol simultaneously.
- Transfer real-time preview data through streaming media servers to reduce network pressure.

Ò
· ·
12
: 16
: 20
: 24

Figure 2-11 Add Signal Source by DDNS

Step 4 Click Save.

Step 5 (Optional) Perform the following operations:

- Click ∠ to modify the information like Device Name, Transmission Protocol, Group, Getting Stream via Stream Media of the Added Signal Source.
- Click 🔟 to delete the signal source that has already been added.

i Note

If the network signal source has been decoded onto the video wall, editing or deleting is not supported.

2.3.3 Add by URL

Step 1 Click Video Wall Operation > Signal Source > + to select URL.

Step 2 Fill in signal source information and stream media information.

- Device Name: Enter a custom name.
- URL: Enter signal source URL. The URL parameters are described as follows: rtsp://IP:554/h264/ch1/main/av_stream/?username=admin?password=12345678?link mode=tcp For example rtsp://192.0.0.1:554/h264/ch1/main/av_stream/?username=admin?password= 12345678?linkmode=tcp Among them, 192.0.0.1 is the IP address of the signal source, admin is the user name, 12345678 is the password, and TCP is the streaming protocol (the streaming protocol supports TCP, UDP)
 Encrypted Stream: When enabled, the stream will be encrypted, and a secret key needs
- to be set at the same time.
- Group: Select the group for the signal source. You can also click + Add Group to add a new group.

IR Addrose	DDNS	LIDI	
IF Addless	DDNS	UKL	
Device Name*			
admin			
URL*			
•••••			đ
Encrypted Stream			ġ.

Figure 2-12 Add by URL

Step 3 Click Save.

2.4 Video Wall Operation

Click **Video Wall Operation** to drag the signal source on the left to the output port on the right to decode on the video wall. Click \bowtie to stop the signal source from decoding onto the video wall.

2.4.1 Edit Decoding Window

Click the decoding window to adjust the window position and size, and perform operations such as splitting, roaming and enlarging window.

	Edit Window
	Location 🛓
	X 5760 🗘 Y 0 🏠
	Size
	W 1920 🗘 H 1920 🗘
02 HDMI-Input 1-1 C ママメン	Split Window
HDMI-Input 1-1	
	Signal Source Operations

Figure 2-13 Edit Window

• Split Window

Click the corresponding split screen icon to perform window splitting.

Split Window						
		⊞	⊞		⊞	
	=	25				

Figure 2-14 Split Window

• Sticking Layer at Bottom

After decoding to the video wall, a layer will be displayed on the corresponding output port. Click

the layer and click \checkmark to stick the layer at bottom.

Et Stick at Bottom					
Loca	tion 🛓				
X	5760	\bigcirc	Y	0	$\hat{\mathbf{x}}$

Figure 2-15 Stick the Layer at Bottom

• Roam and Enlarge Window

When roaming a window to multiple output ports, click \mathbf{Z} to enlarge the window to cover the occupied output ports, and then click \mathbf{Z} to restore again.



Figure 2-16 Roam Window

01	¢	,×	×

Figure 2-17 Enlarge Window

Batch Open Windows

Directly drag the folder to the output port to batch open windows and decode to the video wall.

✓ HDMI		~			
@ Input 1-2	01	రి గి X			Empty Window
© 203.75-1					Empty Window
208.110-1			Empty Window	Empty Window	Empty Window

Figure 2-18 Batch Open Window

• Start Signal Source Auto-Switch

Click I to select the signal source and set the screen dwell time. Click **Start Auto-Switch**.

01	🧔 / X
	Signal Source Group List
	Q
	□ 1
	Image Stay Time
	5 sec 🖒
	Start Auto-Switch Cancel
	Children

Figure 2-19 Start Signal Source Auto-Switch

• Clear Window

Click **Clear** to clear all windows of the signal source.

2.4.2 Signal Source Operations

Click the decoding window to stop/start decoding, turn on/off audio, set decoding delay, and turn on/off intelligent decoding for the signal source.



Figure 2-20 Decoding Status

iNote

After enabling intelligent decoding, the device can decode and display behavior information detected by cameras.

2.4.3 View Decoding Status

You can view the decoding window No., decoding connection status, decoding status, picture width and height, video frame rate, audio frame rate (sound needs to be turned on), stream transmission

rate, encoding type, packaging format, and decoded video frames. Click **Show All** to enter the decoding status page.



Figure 2-21 Decoding Status Details

#	Window No.	Connection Status	Decoding Status	Picture Width & Height	Video Frame Rate	Audio Frame Rate	Stream Transmission Rate	Encoding Type	Packaging Format	Decoded Video Frames
1	1_1_1	Connected	Not Decoded	0 * 0	0	0	2	UNKNOWN	UNKNOWN	0
2	1_2_1	Connected	Not Decoded	0 * 0	0	0	2418	UNKNOWN	UNKNOWN	0

Figure 2-22 Decoding Status Page

2.4.4 Scene Management

iNote

No more than 64 scenes can be added for a device.

Click Video Wall Operation > Scene to edit, call and delete scenes.

Video Wall1 🗸		La	C	
		Clear	Refresh	Save S
Signal Source	Scene			
	Q			
E Scene1				

Figure 2-23 Scene Management

• Save Scene: Click **Save Scene** to save the current video wall scheme as a new scene or overwrite the old scene.



Figure 2-24 Save Scene

- Call Scene: Click (>>> to call the scene.
- Edit Scene: Click 🖉 to edit the scene name.
- Delete Scene: Click $\overline{\mathbb{II}}$ to delete the scene.

Chapter 3 General Configuration

3.1 System Configuration

3.1.1 Check Basic Information

Click Configuration > System > System Settings > Basic Information.

You can check the device information, such as the device name, Mac address, model, device serial No., main control version, etc.

You can edit the device name or click **Upgrade** to upgrade the main control.

*Device Name	Decoder
MAC Address	
Model	
Device Serial No.	
Main Control	Upgrade
Decoder Version	
Web Version	
Plug-In Version	
	Save

Figure 3-1 Basic Information

3.1.2 Configure Time Settings

You can set the time zone, time synchronization mode, and time for the decoder, or enable the DST.

Step 1 Click **Configuration > System Config. > Time Settings** to enter the Time Setting page.

	Device Time	2023-09-16 13:28:30
	Time Zone	(GMT+08:00) Beijing, Urumqi, Singapore, Perth 🗸
	Time Sync Mode	○ NTP Time Sync. ● Manual Time Sync.
	Set Time	2023-09-16 13:02:15 🗄 Sync With Computer Ti
DST		
	Enable	
		Save

Figure 3-2 Configure Time Settings

Step 2 Step 2 Select a time zone.

Step 3 Select a time synchronization mode and set the corresponding parameters.

• Synchronize Time with NTP Server

Select NTP Time Sync., enter the IP address and port No. of NTP server, and select the synchronization interval.

TCP/IP			
	NIC Type/NIC	10 Mbps / 100 Mbps / 1000 Mbps Self-Adaptive V	
	*IPv4 Address		
	*IPv4 Subnet Mask		
	*IPv4 Default Gateway		
	DNS Server Settings		
	* Preferred DNS Server		
	*Alternative DNS Server		
		Save	

Figure 3-3 Configure Time by NTP

• Synchronize Time Manually

Select **Manual Time Sync.** and manually set the time for synchronization. You can also click **Sync With Computer Time** and the system time will be synchronized with the computer time.

Device Time	2023-09-16 13:39:00
Time Zone	(GMT+08:00) Beijing, Urumqi, Singapore, Perth 🗸
Time Sync Mode	○ NTP Time Sync. ● Manual Time Sync.
Set Time	2023-09-16 13:38:56
Enable	
	Save

Figure 3-4 Configure Time Manually

Step 4 (Optional)Enable the DST function and configure the start time, end time, and bias time.

DST		
Enable		
Start Time	AprilFirstSunday02:00	~
End Time	October ~ Last ~ Sunday ~ 02:00	~
Bias Time	30min	~
	Save	

Figure 3-5 DST Function Enabled

3.1.3 Configure Serial Ports

You can debug or control other products by serial ports settings.

• Configure RS-232 Serial Port

Click **Configuration > System > Serial Port Settings > Select Serial Port(s) 1** to enter the following page and configure the serial port parameters

Select Serial Port(s)	1 2	
Serial Port Type	• RS232	
Duplex Mode	Full-Duplex V	
Baud Rate	115200 ~	
Data Bit	8 ~	
Stop Bit	1 ~	
Checking Type	Even Parity ~	
Flow Control Type	Software Flow Control V	
Working Mode	Console (Parameter Control) ~	
	Save	

Figure 1-6 Configure RS-232 Settings

• Configure RS-485 Serial Port

Click **Configuration > System > Serial Port Settings > Select Serial Port(s) 2** to enter the following page.

Select Serial Port(s)	1 2	
Serial Port Type	• RS485	
Duplex Mode	Full-Duplex V	
Baud Rate	9600 ~	
Data Bit	7 ~	
Stop Bit	2 ~	
Checking Type	None	
Flow Control Type	None	
Working Mode	Transparent Channel \checkmark	
	Save	

Figure 1-7 Configure RS-485 Settings

• Configuring Transparent Channel

Click **Configuration** > **System** > **Serial Port Settings** > **Transparent Channel** to enter the following page. Click \angle to configure channel parameters.

No.	Local: Serial Port	Remote: Serial Port	IP Address	Port No.	Connection Status	Operations
1	RS-485	RS-485	10.65.208.110	8000	Connected	<u> </u>
2	RS-485		0.0.0.0	0	Not Connected	<u> </u>
3	RS-485		0.0.0.0	0	Not Connected	∠ 1
4	RS-485		0.0.0.0	0	Not Connected	∠ ⊡
5	RS-485		0.0.0.0	0	Not Connected	∠ ū
6	RS-485		0.0.0.0	0	Not Connected	∠ ū
7	RS-485		0.0.0.0	0	Not Connected	∠ ū
8	RS-485		0.0.0.0	0	Not Connected	<u>/</u> ū
9	RS-485		0.0.0.0	0	Not Connected	<u> </u>
10	RS-485		0.0.0.0	0	Not Connected	_ ₫

Figure 3-8 Select the Channel

Edit	\times
Local: Serial Port	
RS-485	~
Remote: Serial Port*	
RS-485	\sim
IP Address*	
10 110	
Port No.*	
8000	
User Name*	
user	
Password	
	Ø
Save Cancel	

Figure 3-9 Configure Channel Parameters

3.1.4 Manage Users

Click **Configuration** > **System** > **User Management** to enter the following page, which supports adding, editing, and deleting user accounts.

+ Add			
No.	User Name	User Type	Operations
1	admin	Administrator	<u>/</u>
2	test	Administrator	<u> </u>

Figure 3-10 User Management

• Add User Accounts

Click **Add** to fill in the user name, admin password, password, and confirm password.

Add User	\times
User Name*	
others	
User Type	
Administrator	\sim
Admin Password*	
Password*	
Confirm Password*	
OK Cancel	

Figure 3-11 Add User Accounts

- Edit User Name or Change Password
- Click \angle to edit the user name or change password.

Modify User	\times
User Name*	
others	
User Type	
Administrator	~
Admin Password*	
Password*	
••••••	
	Str
Confirm Password *	
OK Cancel	

Figure 3-12 Edit User Information

• Delete User Accounts

Click $\overline{\blacksquare}$ to delete the user account and click **OK**.

No.	User Name	User Type	Operations
1	admin	Administrator	_ □
2	test	Administrator	∠ 🗊
	Cancel		

Figure 3-13 Delete User Accounts

iNote

Only the admin password can be changed. The name of admin user cannot be edited and the admin user cannot be deleted.

3.2 Network Configuration

3.2.1 Configure Network Parameters

Step 1 Click **Configuration** > **Network** > **Network Settings** > **TCP/IP** to configure network parameters, such as the IPv4 address, IPv4 subnet mask, IPv4 default gateway, and the IP addresses of preferred and alternative DNS server.

TCP/IP			
			_
	NIC Type/NIC	10 Mbps / 100 Mbps / 1000 Mbps Self-Adaptive V	
	*IPv4 Address		
*	Pv4 Subnet Mask		
*IPv4	Default Gateway	(****	
DNS	Server Settings		
*Prefe	erred DNS Server	(
*Altern	ative DNS Server		
		Save	

Figure 3-14 Configure Network Parameters

Step 2 Click Save.

3.2.2 Configure HTTP(S)

Step 1 Click **Configuration > Network > Network Services > HTTP(S)** to enter the following page.

HTTP Port

The port for the browser to access the device. When the HTTP port is changed to 81, you need to enter <u>http://Device IP Address:81</u> on the browser address bar.

• Enable HTTPS

Use HTTPS to access the device while setting the HTTPS port. When editing the HTTPS port to 443 and logging in using a browser, you need to enter <u>https://Device IP Address:443</u> on the browser bar.

• Redirect to HTTPS Automatically

If enabled, HTTPS will be used by default when accessing the device.

HTTP(S)		
ШТТР		
11117		_
* HTTP Port	80	
нттрс		
111175		
Enable		
*HTTPS Port	443]
Redirect to HTTPS Automatically		~
	Save	

Figure 3-15 Configure HTTP(S)

Step 2 Click Save.

3.3 Configure Encoding Devices

Click **Configuration** > **Signal Source Configuration** > **Encoding Configuration** to set video encoding parameters such as stream type and resolution.

- Select Signal Source: Select the signal source that requires encoding parameters.
- Stream Type: Sub-stream, which is used for standard definition storage and live view in case of insufficient bandwidth.
- Bit Rate Type and Max. Bit Rate: Bit rate type can be set to variable or constant bit rate.
- Constant bit rate: Maintain the average bit rate for transmission with fast compression speed, which may cause video mosaic phenomenon.
- Variable bit rate: Adjust the bit rate on the basis of not exceeding the upper limit of the bit rate with relatively slow compression speed, but able to ensure image clarity in complex scenes.
- Image Quality: Select according to the requirement of image clarity. The higher the image quality, the higher the bandwidth requirement for the network.
- I-Frame Interval: I-Frame Interval is the amount of frames between two continuous I-Frames. The larger the frame interval, the smaller the fluctuation of the bit stream, but the image

quality is relatively low. On the contrary, the larger the fluctuation of the bit stream, the higher the image quality.

- Resolution: Select according to the actual requirement for video clarity. The higher the resolution, the higher the bandwidth requirement for the network.
- Frame Rate: Refers to the number of frames per second in a video. Based on the actual bandwidth situation, the higher the video rate, the higher the required bandwidth and storage space.
- Encoding Type: The encoding standard for the bit stream can be selected.
- Video Type: You can choose between video stream and composite stream, which includes video stream and audio stream.
- Audio Encoding Type: Select the encoding standard for audio.

Encoding Configuration	
Select Signal Source	Input 1-1 V
Video Encoding	
Stream Type	Main Stream (Scheduled) Sub-stream
Bit Rate Type	🔿 Variable 🛛 💿 Constant Bit Rate
Image Quality	Medium
*I-Frame Interval	60
*Custom Max. Bit Rate	512 ~
Resolution	704*576 ~
Frame Rate	20 ~
Encoding Type	○ H.264 ● H.265
Video Type	◯ Video Stream ● Video & Audio
Audio Encoding	
Encoding Type	G.722.1 ~
Input Audio Mode	Embedded Audio
	Save

Figure 3-17 Encoding Configuration

3.4 Event Configuration

When detecting incidents such as IP address conflicts, invalid access, network disconnection, and temperature alarm, you can configure whether triggering the audible alarm and linking to report platform or not.

Click **Configuration** > **Event**. All abnormal events support triggering the audible alarm and linking to report platform

3.4.1 Configure Device Exception Alarms

- IP Address Conflict: When the IP address of a device is the same as that of other devices in the network, an alarm will be triggered and uploaded to the platform.
- Invalid Access: It indicates that when entering an incorrect user name or password, an alarm will be triggered and uploaded to the platform.
- Network Disconnected: When the network of device is disconnected, an alarm will be triggered and uploaded to the platform.
- Temperature Alarm: When the temperature of device is too high or too low, an alarm will be triggered and uploaded to the platform.
- Fan Exception: It indicates that when the fan status is abnormal, an alarm will be triggered and uploaded to the platform.
- Video Loss: It indicates that when a video is lost, an alarm will be triggered and uploaded to the platform.
- Decoding Signal Source Exception: When the decoding signal source is abnormal, an alarm will be triggered and uploaded to the platform.

Device Exception Alarm Configuration					
Device Exception Alarm configuration					
IP Address Conflict	Trigger Audible Warning	Link to Report Platform			
Invalid Access	Trigger Audible Warning	Link to Report Platform			
Network Disconnected	Trigger Audible Warning	Link to Report Platform			
Temperature Alarm	Trigger Audible Warning	Link to Report Platform			
Fan Exception	Trigger Audible Warning	Link to Report Platform			
Video Loss	Trigger Audible Warning	Link to Report Platform			
Decoding Signal Source Exception	Trigger Audible Warning	Link to Report Platform			

Figure 3-18 Configure Device Exception Alarms

iNote

Multi-channel devices support abnormal fan status and video loss alarm, refer to the actual capacity of the device for details.

3.4.2 Configure Device Working Status Alarms

Set the maximum and minimum temperature thresholds for devices when they are working normally. When the device temperature is higher than the maximum threshold or lower than the minimum threshold, an alarm will be triggered and uploaded to the platform.

Device Working Status Alarm				
Series Frenking Status Alam				
Below 0.0	85.0 Above			
Temperature Alarm O				
Save				

Figure 3-19 Configure Device Working Status Alarm

3.5 Other Settings

3.5.1 Split Image to Get Sub-stream

Click **Configuration > Other Settings > Split Image to Get Sub-stream** to enable the function and set the split threshold.

When the threshold approaches, the image will automatically switch to sub-stream.

Enable		
Split Threshold	16 ~	
		,
	Save	

Figure 3-20 Split Threshold Configuration

3.5.2 Configure Display Settings

Configure display settings when stopping decoding images, getting stream failed, and the decoding resource is insufficient.

Click **Configuration > Other Settings > Display Settings** to configure parameters of display settings.

- Stop Decoding Images: Select **Black** or **Last Frame**.
- Image of Getting Stream Failed: Select **Connection Exception** or **Last Frame**.

iNote

If you select connection exception, the concrete reason will be displayed.

• Insufficient Decoding Resource Prompt: Enable the button to prompt insufficient decoding resource.

Screen Display	
Sereen Display	
Stop Decoding Images	🔵 Black 💿 Last Frame
Image of Getting Stream Failed	○ Connection Exception ● Last Frame
Insufficient Decoding Resource Pro	
	Save

Figure 3-21 Screen Display Configuration

3.5.3 Configure Decoding Delay

Configure the preference for real-time or fluency when decoding.

Click **Configuration > Other Settings > Decoding Delay** to select default decoding delay level.

Default Decoding Delay Level	Medium Real-time & Medium Fluency	
	Save	

Figure 3-22 Decoding Delay Level

Chapter 4 Maintenance and Security

4.1 System Maintenance

4.1.1 Reboot

Click **Maintenance and Security > System Maintenance > Reboot**. Click **Reboot** to reboot the device.

4.1.2 Upgrade

Click **Maintenance and Security > System Maintenance > Upgrade**. Click \square to select upgrading files. Click **Upgrade**.

1 The upgrading process will be 1 to 10 m	inutes. Please don't disconnect power to the device during the	e process. The device reboots automatically after upgrading.
Current Version	V3.2.0 build 230904	
Upgrading File	<u> </u>	Upgrade

Figure 4-1 Upgrade

iNote

You need to acquire the upgrading files previously and save it in the local directory. Do not power off in the process of upgrading. The devices will automatically reboot after upgrading.

4.1.3 Backup and Restore

Click **Maintenance and Security** > **System Maintenance** > **Backup and Restore** to perform operations such as importing/exporting parameters and restoring to default settings.

Export Parameters

Export device and scene parameters to quickly import the exported parameters into other devices.

• Export Device Parameters

By exporting device parameters for the convenience of configuring other devices with the same parameters.

• Export Scene Parameters

By exporting the scene parameters for the convenience of configuring other devices with the same parameters.

Back Up	
Device Parameter	S Export
Device Parameter	
Export Scene Parameter	s Export

Figure 4-2 Back Up

Reset

• Partial Reset

All data except network parameters and user accounts will be cleared.

• Factory Reset

All functions and parameters will be restored to factory settings.

Reset		
	Restore to Default Settings	Partial Reset
		All data except network parameters and user accounts will be cleared.
	Restore to Factory Default	Factory Reset
		All functions and parameters will be restored to factory settings.

Figure 4-3 Reset

Import Parameters

Import parameters that are exported from other devices to quickly use the same configuration.

• Import Device Parameters

Import configured parameters that are exported from other devices to quickly use the same parameters configuration.

• Import Scene Parameters

Import scene parameters that are exported from other devices to quickly use the same scene parameters configuration.

Import Parameters		
Device Parameters	Ē	Import
Scene Parameters	Ē	Import

Figure 4-4 Import Parameters

4.1.4 Log

Search and export logs.

• Search Logs

Click **Maintenance and Security > System Maintenance > Log** to set search conditions. Click **Search**.

Primary All Typ ⊡ Ey	Type Sub Typ bes v All Typ kport CSV File	nes v	Time	23-08-16 23:59:59 📋 Search	Reset
No.	Time	Primary Type	Sub Type	Remote Host IP	Description
1	2023-08-16 23:59:25	Exception			[admin] manual operation reboot device from web
2	2023-08-16 23:58:20	Exception	Video Signal Exception	-	signal Recover
3	2023-08-16 23:58:20	Exception			sdk [admin] operate logout
4	2023-08-16 23:58:20	Operations	Remote: Login		sdk [admin] operate login
5	2023-08-16 23:58:17	Exception		-	-
6	2023-08-16 23:58:16	Exception			slot[1] dev[1]
7	2023-08-16 23:57:25	Exception			[admin] manual operation reboot device from web
8	2023-08-16 23:56:50	Operations	Remote: Login		sdk [admin] operate login
9	2023-08-16 23:56:20	Exception	Video Signal Exception	-	signal Recover

Figure 4-5 Log

• Export Logs

Click Export CSV File to export log files in the CVS format.

4.1.5 Device Debugging

Click Maintenance and Security > System Maintenance > Device Debugging.

• SSH

Once enabled, remote devices can be accessed through SSH.

• Export Logs to USB Drive

You can export device logs to a FAT32 USB drive, which requires formatting before inserting it into the drive.

• Export Network Switching Packet

Select a partition and click **Start Capturing** to capture network packet. Click **Download** to export the captured content.

• Shell Command Operation

Enter the Shell command, click **Send** and determine the abnormal situation of the device by checking for received message.

SH	
Enable	
xport Logs to USB Drive	
Start Exporting	
USB Flash Drive Status	No USB flash drive
xport Network Switching Pac	ket
Partition	Board0_SubSys0 V Start Capturing
Captured Packet	
	Pleace click Start Capturing.
Shell Command Operation	
Shell Command Operation	Send
Shell Command Operation	Send
Shell Command Operation — Shell Command Status	Send
Shell Command Operation — Shell Command Status Receive Message	Send
Shell Command Operation Shell Command Shell Command Status Receive Message	Send
Shell Command Operation — Shell Command Status Receive Message	Send
Shell Command Operation Shell Command Shell Command Status Receive Message	Send
Shell Command Operation — Shell Command Status Receive Message	Send
Shell Command Operation Shell Command Shell Command Status Receive Message	Send
Shell Command Operation — Shell Command Status Receive Message	Send

Figure 4-6 Device Debugging

4.2 Security Management

4.2.1 IP Filtering Control

Configure IP addresses that are allowed or prohibited to access the device.

Step 1 Click Maintenance and Security > Security Maintenance > IP Filtering Control to enable the function.

Step 2 Select Filtering Type.

- Blocklist: You are prohibited to access the device with the IP address.
- Allowlist: You are allowed to access the device with the IP address.

						Add to List			\times
Certificate Mana	agement	SADP	Syslog	Websocket		IP Address*			
Enable									
Filtering Type	Blocklist	 Allowlist 				Description*			
List Table	+ Add	Delete							
	No.	IP Address		Description	Operations	Save	Cancel		
	1			LOCAL IP	∠ ū				
	Save								

Step 3 Click Add to add the corresponding IP address and description. Click Save.

Figure 4-7 IP Filtering Control

- Modify List: Click 🖉 to edit the corresponding IP address and description of the list.
- Delete List: Click 🔟 to delete the list.

Step 4 Click Save.

4.2.2 Certificate Management

Import the HTTPS certificate and secret key.

Step 1 Click Maintenance and Security > Security Maintenance > Certificate Management.

Step 2 Set HTTPS Certificate Import Method to Certificate and Secret Key.

Step 3 Click \square in the Certificate or Secret Key field to select a certificate file or secret key file from the local storage to import it.

Device will be restarted after the certificate and private key are imported.				
*HTTPS Certificate Import Method	Certificate and Secret Key	~		
Certificate				
Secret Key				
	Save			

Figure 4-8 Certificate Management

Step 4 Click Save.

4.2.3 SADP

Once enabled, the device can be searched by SADP software on the same network.

Click Maintenance and Security > Security Maintenance > SADP to enable or disable SADP.

4.2.4 Syslog

Once enabled, the device log can be uploaded to the Syslog server automatically.

Step 1 Click Maintenance and Security > Security Maintenance > Syslog to enable the function.

Server IP: IP address of the Syslog server.

Port: The port No. of the Syslog server.

Uploading Period: Set the period of uploading logs.

Protocol Type: Select **TCP** or **UDP**.

Enable	
*Server IP Address	127.0.0.1
* Port No.	8543
*Uploading Period	1 h
* Protocol Type	TCP ~
	Save

Figure 4-9 Enable Syslog

Step 2 Click Save.

4.2.5 WebSocket

Enable WebSocket to export the stream.

Click **Maintenance and Security > Security Maintenance > WebSocket** to enable or disable the WebSocket.

Chapter 5 Device Information

5.1 Check Device Status

You can check the device health status such as firmware usage, decoding usage, network status, and partition status.

Click **Overview** to check the resource usage and device status.

Decoding Resource.		Device Status				Network Status	
3.13%	Online Partition Number 1 Estimate Remaining 31	Device Temperature 33°C	CPU Us 0.00	age %	Memory Usage 83.89%	NIC01 Normal NIC02 Exception	Upstream Bandwidth Ob/s Downstream Bandwidth Ob/s
Partition Status							
Partition Name Status	IP Address	MAC Address	CPU Usage	Memory Usage	Temperature	Decoding Resource Usa	Estimate Remaining De
Partition1_1 Online	10.000		0%	83%	33℃	3%	31

Figure 5-1 Check Device Status

5.2 Screen Maintenance

You can view the screen information, configure the signal source type and image parameters, and start up or shut down the screen.

iNote

Only partial models support screen maintenance. The actual product prevails.

Prerequisites

Make sure you have configured the related serial ports.

Step 1 Click Screen Maintenance to enter page below.

Video Wall1 ~			- 100% +	() 🖲	
Please make sure that related serial ports have been configured. Serial Port Settings ×					
				Image Param Copy to All Screens	
				() Select screen(s) to configure. \times	
				Image Mode	
				Please select.	
				Adjust Backlight	
				0	
\oslash				>	
\bigcirc					

Figure 5-2 Screen Maintenance Page

Step 2 (Optional) Perform the following operations as needed.

• Display Screen Information

Click **Display** to show the screen information such as work duration and temperature.

ured. Serial Port Settings		×	Screen Informat Display
			Image Param Copy to All Screens
			$($ Select screen(s) to configure. \times
			Image Mode
	0		Please select. V
			Adjust Backlight
			O 0 \$

Figure 5-3 Display Screen Information

• Configure Signal Source Type

Select the screen to be configured, and open the corresponding drop-down list to select the importing source type.

• Modifying Image Mode

Select the screen to be configured, and open the corresponding drop-down list to select the image mode.

		Image Param Copy to All Screens
		() Select screen(s) to configure. \times
=-	\oslash	Image Mode Please select.
	\oslash	Soft Movie Security Mode
	\oslash	Text Conference Video



• Adjust Backlight

Select the screen to be configured and move the slider or enter the number to adjust screen backlight.

		Image Param Copy to All Screens
		() Select screen(s) to configure. \times
<u> </u>		Image Mode Standard ✓
		Adjust Backlight

Figure 5-5 Adjust Screen Backlight

• Copy to All Screens

Click **Copy to All Screens** to copy the current screen settings to all other screens.

• Start Up/Shut Down Screen

Click \bigcirc to start up/shut down the screen.

iNote

You can also start up or shut down the screen by controlling the serial port.

Chapter 6 More Information

Scan the QR code below to acquire Smart Wall Client User Manual.





UD35135B