NovaLCT

V5.9.0

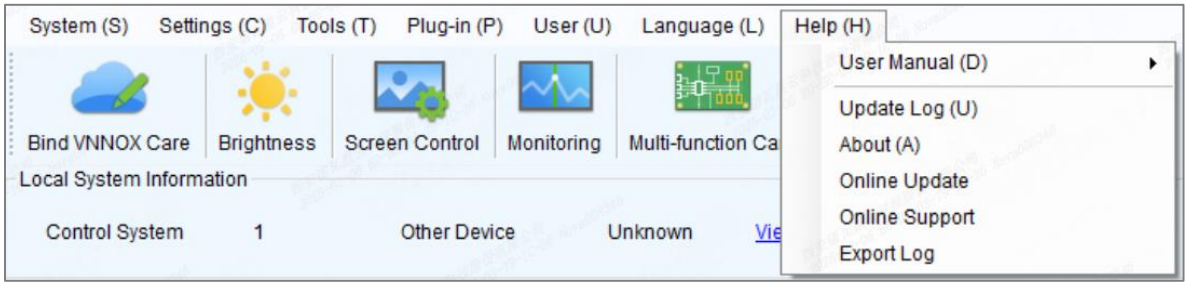
Release Notes

Contents

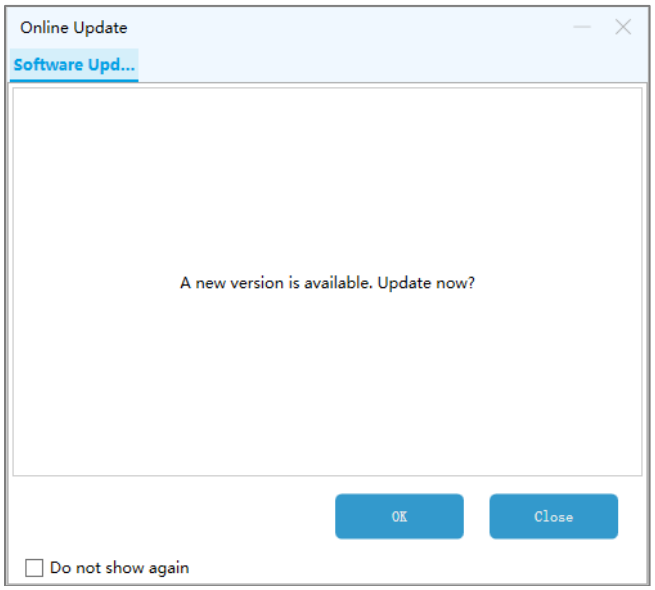
1 Update Instructions

1.1 Online Update

Step1 From the menu bar, choose **Help** > **Online Update**.



Step 2 Confirm the update.



1.2 Local Update

Step 1 Visit the **Downloads** page on the NovaStar website and download the NovaLCT V5.9.0 installation package.

Step 2 Double-click to run the package and proceed with the installation.

2 Key Features

2.1 VNNOX Care Monitoring and Maintenance 3.0

- On-cloud screen configuration: screen status control, brightness adjustment, configuration file sending, screen connection file sending, recovery via backup file, receiving card upgrade, saving to hardware
- On-cloud controller management: controller upgrade and starting, operation log retrieval

Prerequisites

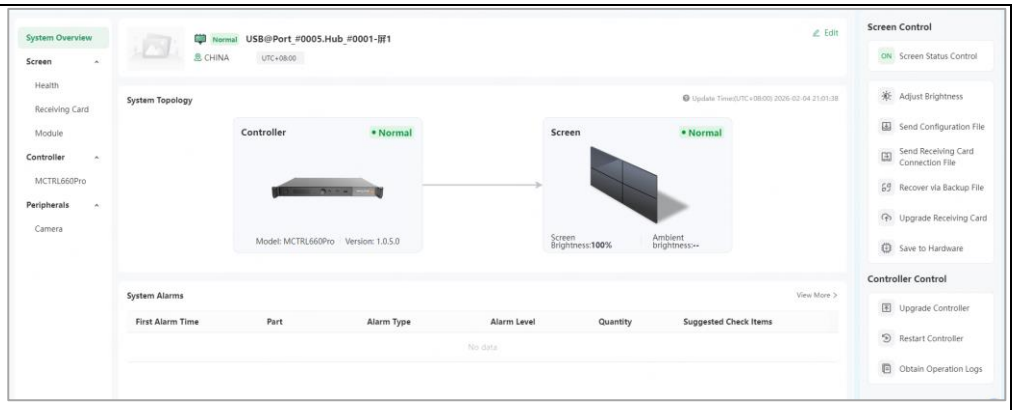
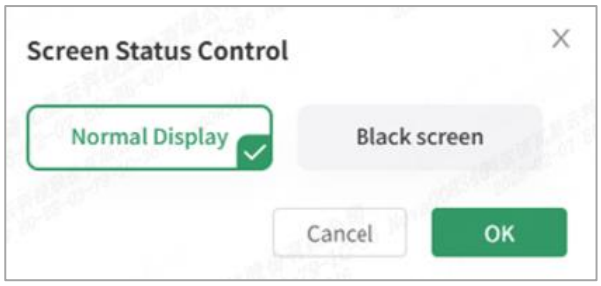
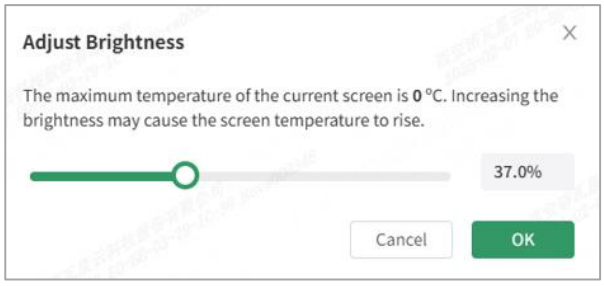
- You have a valid VNNOX Care account.
- The control computer is connected to the Internet.
- The following product models are used.

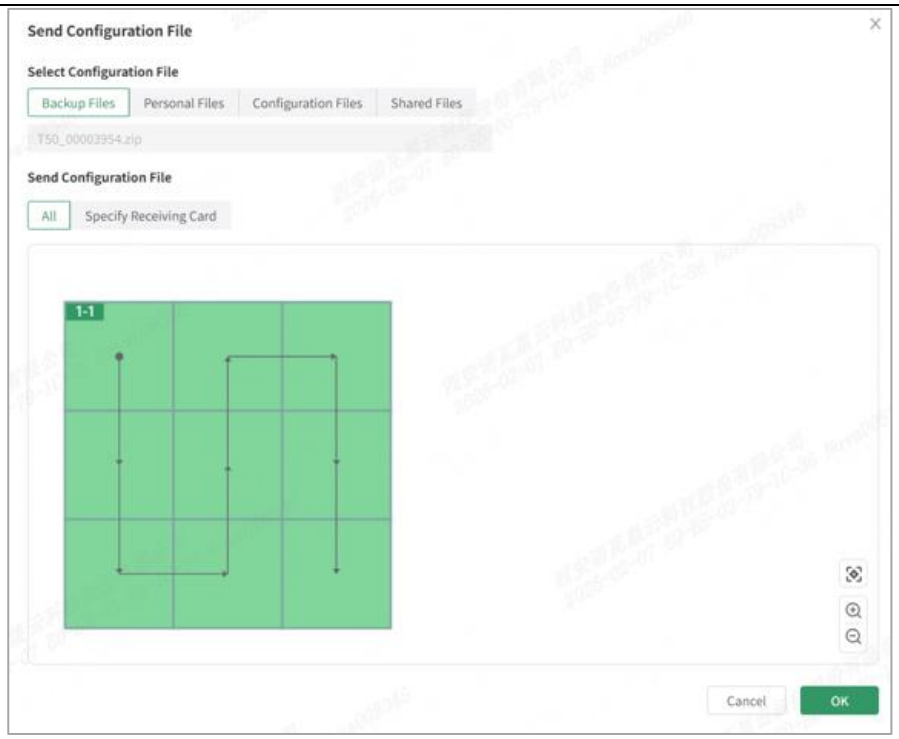
Product Series	Product Model
MCTRL Series	MCTRL300, MCTRL500, MCTRL600/ MCTRL660, MCTRL660 PRO, MCTRL660 ROE, MCTRL700, MCTRL700 Pro, MCTRL1600, MCTRL2000, MCTRL4K, MCTRL4K-S /MCTRL4K_ViewPro, MCTRLR5
KT Series	KT3, KT16_ZM, KT16E, KT8E, KT20L, KT16C
All-in-one Series	• K series: K16, K8, K20, K40 • V series: V6, V8, V10, V12, V16, V24, V32, V40, V760, V960, V1060, V1060n, V1160, V1260, V1260n, V2460 • VC series: VC2, VC4, VC6, VC6 Pro, VC10, VC10 Pro, VC16 • VX series: VX1, VX400, VX400s, VX400s-N, VX400 Pro, VX600, VX600 Pro, VX1000, VX1000 Pro, VX2000 Pro, VX16s
Other sending cards	MP8-JF, ASD200, E500, E510, MSD700, MSD700_1, LP10SD1600, SD2000E, GT4000, FTSC4000-E

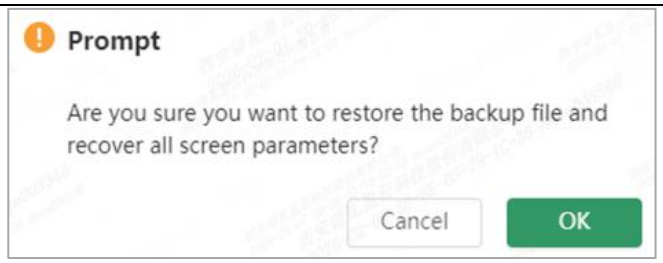
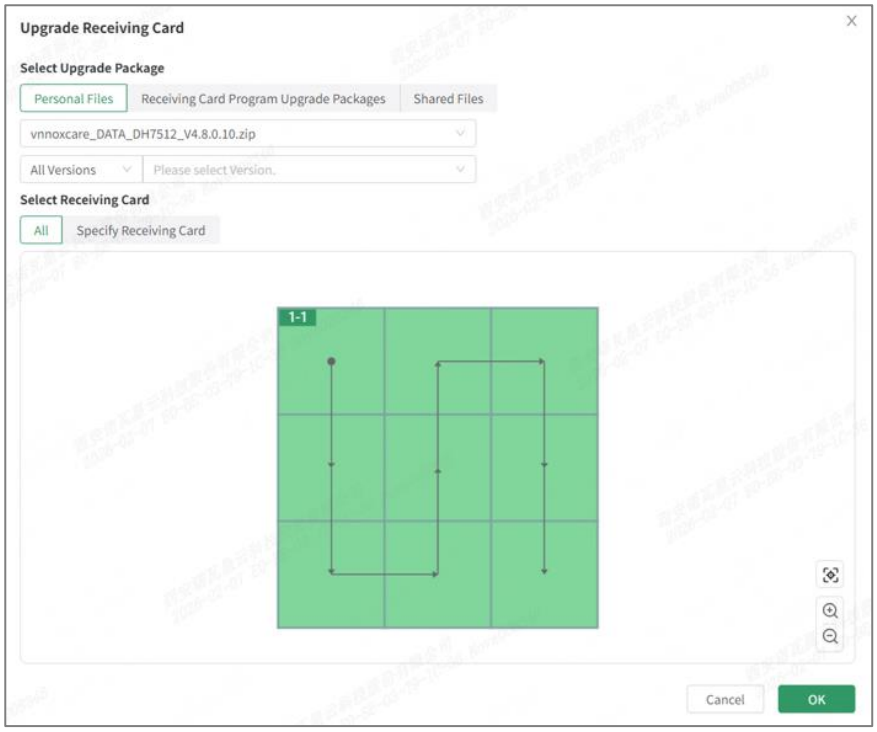
Function Description

- Screen configuration

Function Interface	The **Monitoring and Maintenance** tab enables centralized management and control of screens. In the right-side **Screen Control** pane of the tab, users can control screen status, adjust brightness, send configuration files, send screen connection files, recover the system via backup files, obtain backup files, and upgrade receiver cards.

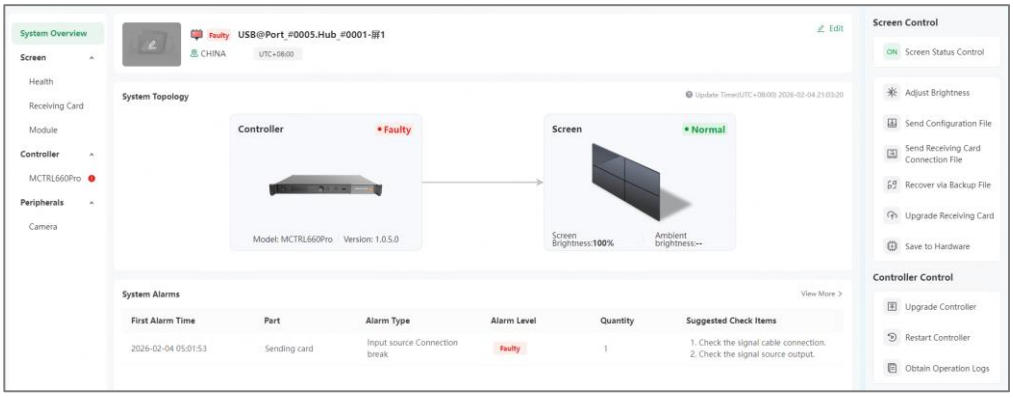
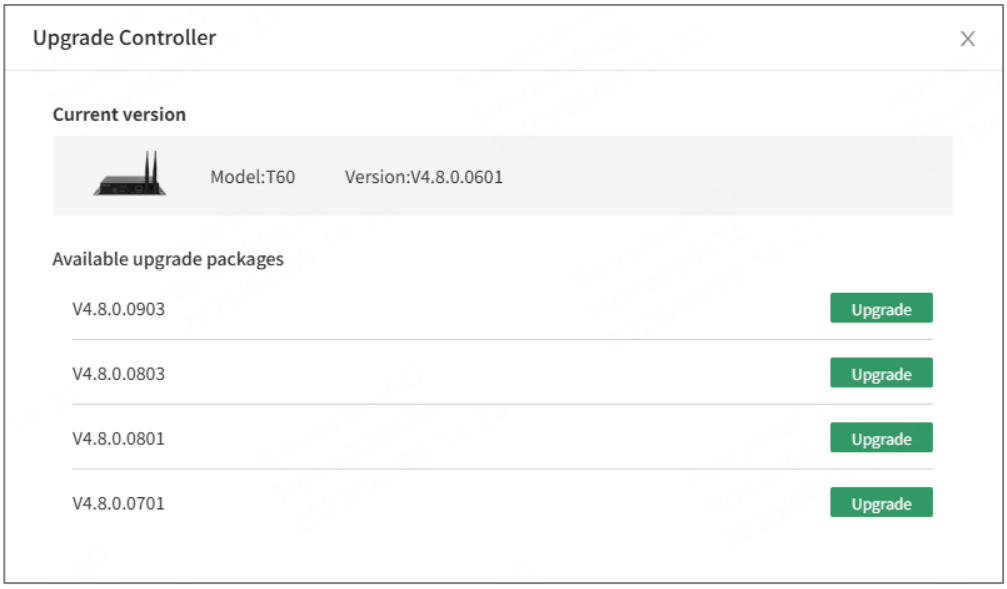
	
Screen Status Control	Click **Screen Status Control**. In the pop-up window, select **Normal Display** or **Black screen**, and click **OK**. 
Adjust Brightness	Click **Adjust Brightness**. In the pop-up window, drag to set the brightness value and then click **OK**. 
Send Configuration File	Step 1. Click **Send Configuration File**. Step 2. In the pop-up window, select a configuration file. You can choose from **Backup Files**, **Personal Files**, **Configuration Files**, and **Shared Files**. Step 3. Select the type of the configuration file to send, including **All** and **Specify Receiving Card**.

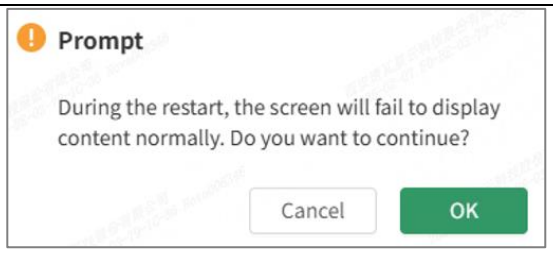
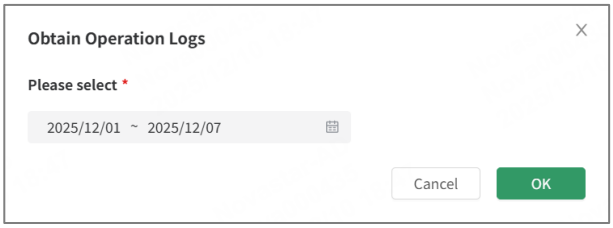
	 Step 4. Click **OK** and wait for c**onfiguration files to be sent**.
Send Receiving Card Connection File	Step 1. Click **Send Receiving Card Connection File**. Step 2. In the pop-up window, select a screen connection file. You can choose from **Backup Files**, **Personal Files**, and **Shared Files**. Step 3. Click **OK** and wait for screen **connection files to be sent**. 
Recover via Backup File	Step 1. Click **Recover via Backup File**. Step 2. In the pop-up window, click **OK** to recover all screen parameters.

<table>
<tr><td></td><td> 
</td></tr>
<tr><td>Upgrade Receiving Card</td><td>Step 1. Click Upgrade Receiving Card.
Step 2. In the pop-up window, select an upgrade file. You can choose from Personal Files, Receiving Card Program Upgrade Packages, and Shared Files.
Step 3. Select the upgrade method, including All and Specify Receiving Card.
 

Note: If the screen has multiple different types of receiving cards, you must select Specify Receiving Card.
Step 4. Click OK and wait for the upgrade to complete.</td></tr>
<tr><td>Save to Hardware</td><td>Click Save to Hardware. In the pop-up window, click OK to save all parameters of the sending and receiving cards to hardware.
 
</td></tr>
</table>

- Controller Control

Function Interface	In the right-side **Controller Control** pane, you can upgrade and restart the controller, and retrieve operation logs. 
Upgrade Controller	Click **Upgrade Controller**. In the pop-up window, you can view the current controller version and available upgrade packages. Select the target version and then click **Upgrade**. In the pop-up window, click **OK** and wait for the upgrade to complete.  Note: This function has restrictions on devices. The supported devices are as follows: MCTRL300, MCTRL500, MCTRL600, MCTRL660, MCTRL660 PRO, MCTRL660 ROE, MCTRL700, MCTRL700 Pro, MCTRL1600, MCTRL2000, MCTRL4K, MCTRL4K-S, MCTRL4K_ViewPro, MCTRLR5, LP10SD1600, E500, E510, MSD700, GT4000
Restart Controller	Click **Restart Controller**. In the pop-up window, click **OK**.

	 Note: This function has restrictions on devices. The supported devices are as follows: MCTRL300, MCTRL500, MCTRL600, MCTRL660, MCTRL660 PRO, MCTRL660 ROE, MCTRL700, MCTRL700 Pro, MCTRL1600, MCTRL2000, MCTRL4K, MCTRL4K-S, MCTRL4K_ViewPro, MCTRLR5, LP10SD1600, E500, E510, MSD700, GT4000
Obtain Operation Logs	Click **Obtain Operation Logs**. In the pop-up window, select the start date and end date (up to 7 days of operation logs can be retrieved), and click **OK**. 

2.2 Newly Supported Devices

No.	Device Model
1	TN65
2	H-series 4xfiber sending card (enhanced)

3 Newly Supported Chips

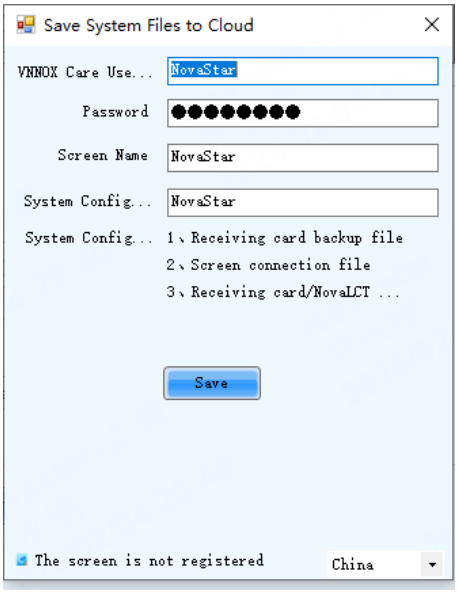
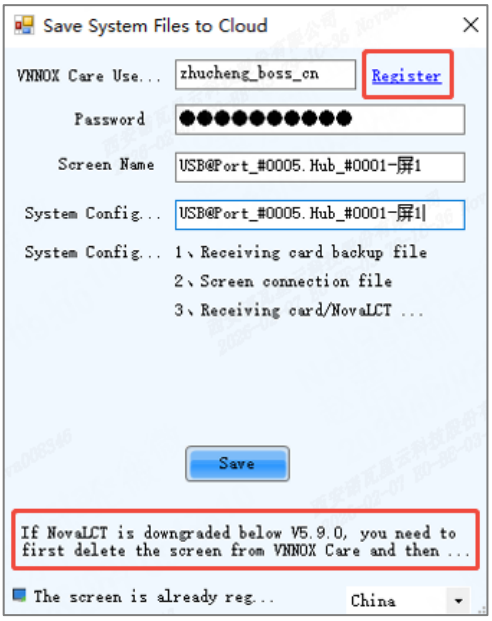
No.	Manufacturer	Model	Driver Version
1	ICND	ICND3150S	V2.0.0
2	ICND	ICND2069S	V2.0.0
3	ICND	ICND3069	V1.0.0/V2.0.0
4	ICND	ICND2055S	V1.0.0/V2.0.0
5	ICND	ICND2153S	V1.0.0/V2.0.0

No.	Manufacturer	Model	Driver Version
6	ICND	ICND2055	V1.0.0/V2.0.0
7	ICND	ICND1069	V1.0.0/V2.0.0
8	ICND	ICND1065S	V1.0.0/V2.0.0
9	ICND	ICN2065	V1.0.0/V2.0.0
10	ICND	ICND3065	V1.0.0/V2.0.0
11	ICND	ICND2165	V1.0.0/V2.0.0
12	ICND	ICND2069	V1.0.0/V2.0.0
13	ICND	ICND2163S	V2.0.0
14	ICND	ICND2153U	V2.0.0
15	DP	DP3370S	V2.0.0
16	DP	DP3265	V1.0.0/V2.0.0
17	DP	DP3265S	V1.0.0/V2.0.0
18	DP	DP3365S	V1.0.0/V2.0.0
19	DP	DP3367S	V1.0.0/V2.0.0
20	DP	DP3269	V1.0.0/V2.0.0
21	DP	DP3356	V1.0.0/V2.0.0
22	DP	DP3364	V1.0.0/V2.0.0
23	DP	DP6366S	V2.0.0
24	DP	DP3368	V1.0.0/V2.0.0
25	MBS	MBS7252	V2.0.0
26	MBS	MBS7253	V2.0.0
27	MBS	MBI5251	V1.0.0/V2.0.0
28	MBS	MBS7264	V1.0.0/V2.0.0

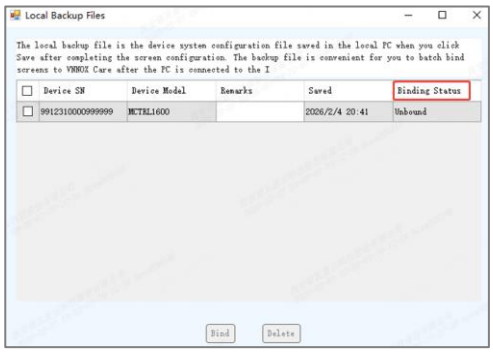
No.	Manufacturer	Model	Driver Version
29	MBS	MBI5264	V1.0.0/V2.0.0
30	MBS	MBI5253B	V1.0.0/V2.0.0
31	CFD	CFD325E	V2.0.0
32	CFD	CFD455C	V1.0.0/V2.0.0
33	CFD	C8455	V1.0.0/V2.0.0
34	CFD	C8385	V1.0.0/V2.0.0
35	CFD	C8365	V1.0.0/V2.0.0
36	CFD	CFD655	V1.0.0/V2.0.0
37	CFD	C8485	V2.0.0
38	SM	MW16330	V2.0.0
39	SM	SM16380SW	V1.0.0/V2.0.0
40	SM	SM16386S	V1.0.0/V2.0.0
41	SM	SM16386SH	V1.0.0/V2.0.0
42	SM	SM16189SC	V1.0.0/V2.0.0
43	SM	SM16510SC	V1.0.0/V2.0.0
44	SM	SM16269SW	V1.0.0/V2.0.0

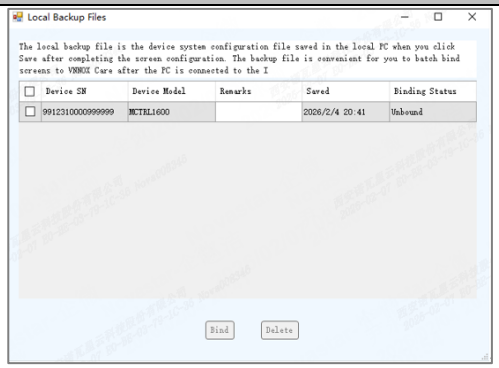
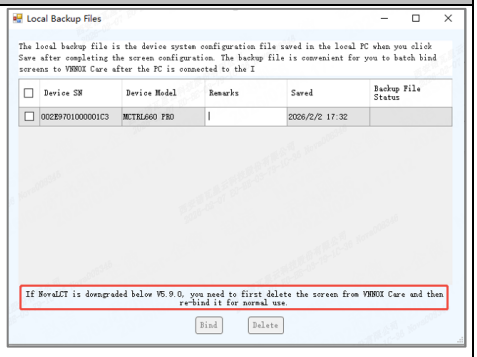
4 Improvements

4.1 Save System Configuration Files

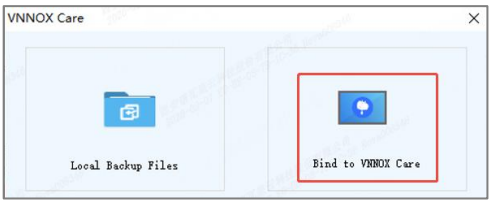
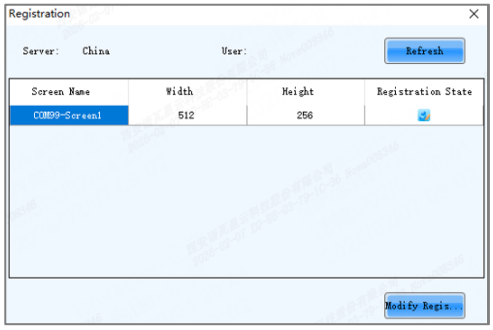
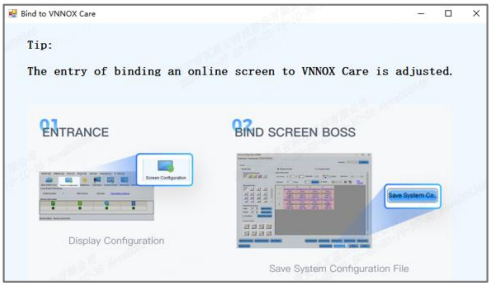
Optimization	Before	After
Added a registration link and a prompt in the **Save System Files to Cloud** dialog box.		

4.2 Local Backup Files

Optimization	Before	After
Optimized the headers of the file list.		
Added a prompt.	No prompt	Prompt

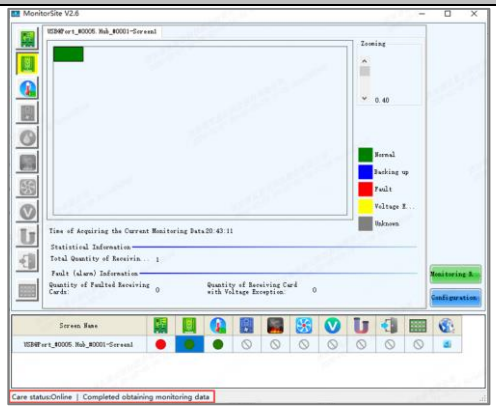
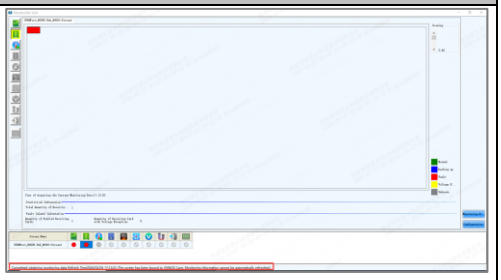
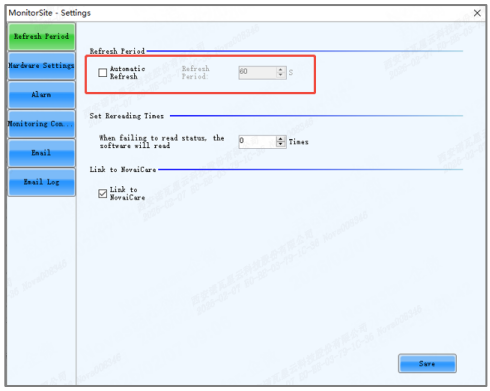
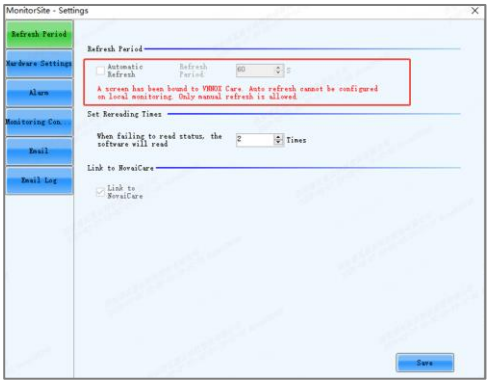
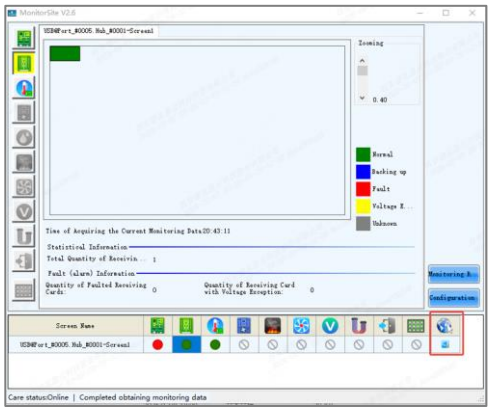
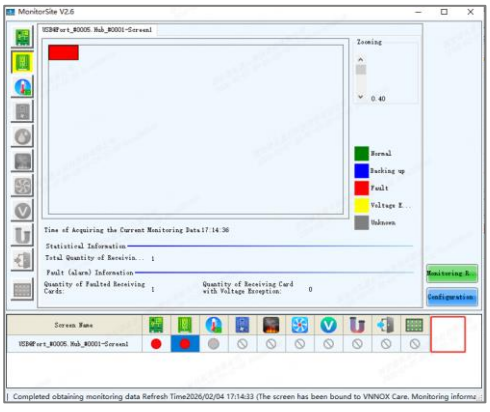
Optimization	Before	After
		

4.3 Bind VNNOX Care

Optimization	Before	After
Changed **Register in VNNOX Care** to **Bind to VNNOX Care**.		
Optimized the Bind to VNNOX Care function.	Removed the VNNOX Care registration function. 	Prompts users to go to the binding module to complete binding. 

4.4 Monitoring

Optimization	Before	After
Optimized output information display for monitoring refresh.	Shows only refresh results.	Added the refresh time. If a screen is detected to be bound to VNNOX Care, the message "The screen has been bound to VNNOX Care. Monitoring information cannot automatically refreshed." is displayed.

Optimization	Before	After
		
Optimized automatic refresh configuration.	No restrictions, users can select any option. 	If a screen has been bound to VNNOX Care, the automatic refresh function will grayed out, monitoring data will not be automatically refreshed, and a prompt is displayed. 
Optimized the list display on the main interface.	Has VNNOX Care entry 	No VNNOX Care entry 

4.5 Seam Correction

Optimization	Before	After
Adjustment speed	1 min 29 sec	30 sec

Optimization	Before	After
(Test scenario: The MCTRL2000 connects to 288 cabinets.)		

4.6 Dynamic Sub-pixel

Optimization	Before	After
Screen configuration file	Dynamic subpixel-related configurations are lost when loading the screen configuration file.	Dynamic subpixel-related configurations can be properly displayed and sent when loading the screen configuration file.

4.7 Smart Settings for TU Devices

Optimization	Before	After
Smart settings for TU devices	Smart settings are only supported for HDMI sources.	Smart settings are supported for both HDMI and Android sources.

4.8 Image Booster

Optimization	Before	After
Color temperature speed-up switch	On by default	Off by default
Bug fix	Supports image booster with chip 2.0.	

5 Bug Fixes

Module	Issue Description	Note
Backup	Fixed abnormal display upon a power cycle after TU device backup is configured.	
	Fixed the issue that backup settings configured for VX6S and	

Module	Issue Description	Note
	K6S do not take effect.	
Multi-language	Fixed the issue that in Korean language interface, the message prompted after configuration file readback is completed is incorrectly translated.	
	Fixed incorrect German UI copies.	
Receiving Card	Fixed the issue that when grayscale enhancement is enabled, the grayscale levels sent to the receiving card are abnormal when the CFD455J chip is used.	
	Fixed the issue that "Failed to retrieve file from cloud" is reported for firmware package matching during on-cloud receiving card upgrade.	
Seam Correction	Fixed the issue that "Initialization Failed" is prompted during seam correction on the FTSC4000-E.	
Monitoring	Fixed abnormal monitoring information when dual receiving card backup is configured.	
Calibration	Fixed the issue that image booster cannot be enabled for online calibration after the NCP file is sent.	
	Fixed the issue that there is no entry for configuring combined screens for the MEE210.	
Screen Configuration	Fixed black screen after screen configuration for the JT200.	
	Fixed the issue that dynamic sub-pixel screens cannot be configured when H-series cards of different models are used together.	
Driver IC	Fixed the issue that an error is reported on the extended attribute interface for the MBS7264 chip with a field frequency of 1.0.	
	Fixed the issue that the first row of pixels are dark after module parameters are sent when the SM16389SF chip is used.	

Module	Issue Description	Note
	Fixed the issue that abnormal parameters are detected after configuration file is imported when the DP3252 chip is used.	
	Fixed gamma exceptions when ICND2055S and SM16259 chips are used.	
	Fixed the issue that blue horizontal lines appear on the black screen when the ICND1065 chip is used.	
	Fixed the issue that current gain parameters cannot be saved in the .rcfgx file when the CS2017S chip is used.	
	Fixed error detection exceptions when the CFD325A chip is paired with the A5s Plus receiving card.	
	Fixed abnormal camera optimization function when the MW16330 chip is used.	
	Fixed the issue that smart settings failed when driver 2.0 is used for the ICND1065L chip.	
	Fixed the issue that the **Advanced Color Configuration** interface is empty when the ICND2153 chip is used.	

6 Notices

- If you use NovaLCT V5.9.0 to bind a screen to the cloud and then downgrade NovaLCT to a version earlier than V5.9.0, you need to remove the binding and bind the screen again.
- If a screen has been bound to VNNOX Care, automatic refresh cannot be set on local monitoring (MonitorSite). You must manually refresh the monitor information.
- If a screen has been bound to VNNOX Care, the local email alert function will be disabled. You can use the cloud-side email alert function.
- For the TU series to support smart settings under Android sources, you must use a firmware version of V1.6.1 or later.
- From V5.9.0 and later, only 64-bit Windows systems are supported.
- The backup file generated after VNNOX Care binding is not compatible with NCP.

Trademark

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