Table of Contents

1.1 OverView 2
1.2 Reason of Upgrade 4
1.2.1 New Features 4
1.2.2 Fixed bugs 16
1.2.3 Pending Issues 16
1.3 Update Guide 16

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Release Notes

1.1 OverView

<table>
<tr><th>Item</th><th>Description</th></tr>
<tr><td>Product name</td><td>Network Video Recorder</td></tr>
<tr><td>Firmware Basic Information</td><td>Kernel Version DVRS_V13.11.0.20240219
UI Version GUI_V13.11.0.20231125
Web Version 6.1.23.1120
CGI Version CGI_V3.3.0.20231125
P2P Version V2.4.5A.20240103.590A4569
RTSP Version V1.2.11.231014.A72AED5B
APP Version V4.4.0.231109.1A569753
and
Kernel Version DVRS_V13.11.0.20240202
UI Version GUI_V13.11.0.20231125
Web Version 6.1.23.1120
CGI Version CGI_V3.3.0.20231125
ONVIF Version V23.06.240103.575F5B16
P2P Version V2.4.5A.20240103.590A4569
RTSP Version V1.2.11.231014.A72AED5B
APP Version V4.4.0.231125.8444F6FC</td></tr>
<tr><td>Related product</td><td>
<table>
<tr><td>1D.20030.000829</td><td>硬盘录像机</td><td>(出口-天地)TC-R3110 配置:I/B/P8/V3.0</td></tr>
<tr><td>1D.20030.001282</td><td>硬盘录像机</td><td>(出口-天地)TC-R3110 配置:I/B/P8/Am/V3.0</td></tr>
<tr><td>1D.20030.020364</td><td>硬盘录像机</td><td>(出口-天地)TC-R3110 配置:I/B/P8/En/V3.0[DZ235528]</td></tr>
<tr><td>1D.20030.000842</td><td>硬盘录像机</td><td>(出口-中性)TC-R3110 配置:I/B/P8/Z/V3.0</td></tr>
<tr><td>1D.20030.000983</td><td>硬盘录像机</td><td>(出口-天地)TC-R3110 配置:I/B/P8/V3.0[DZ210745]</td></tr>
<tr><td>1D.20030.001206</td><td>硬盘录像机</td><td>(出口-天地-DB)TC-R3110 配置:I/B/P8/V3.0</td></tr>
<tr><td>1D.20030.001266</td><td>硬盘录像机</td><td>(出口-天地-KR)TC-R3110 配置:I/B/P8/V3.0</td></tr>
<tr><td>1D.20030.001300</td><td>硬盘录像机</td><td>(出口-天地)TC-R3105 配置:I/B/P4/K/V3.1</td></tr>
<tr><td>1D.20030.020365</td><td>硬盘录像机</td><td>(出口-天地)TC-R3105 配置:I/B/P4/K/En/V3.1[DZ235528]</td></tr>
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	1D.20030.020633	硬盘录像机	(出口-天地)TC-R3105 配置:I/B/P4/K/Am/V3.1[DZ235973]
	1D.20030.001432	硬盘录像机	(出口-中性)TC-R3105 配置:I/B/P4/K/Z/V3.1
	1D.20030.001442	硬盘录像机	(出口-天地-KR)TC-R3105 配置:I/B/P4/K/V3.1
	1D.20030.001452	硬盘录像机	(出口-天地-DB)TC-R3105 配置:I/B/P4/K/V3.1
	1D.20030.020481	硬盘录像机	(出口-天地)TC-R3110 配置:I/B/P8/K/M/V3.1[DZ235715]
	1D.20030.001301	硬盘录像机	(出口-天地)TC-R3110 配置:I/B/P8/K/V3.1
	1D.20030.020366	硬盘录像机	(出口-天地)TC-R3110 配置:I/B/P8/K/En/V3.1[DZ235528]
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	1D.20030.001433	硬盘录像机	(出口-中性)TC-R3110 配置:I/B/P8/K/Z/V3.1
	1D.20030.001443	硬盘录像机	(出口-天地-KR)TC-R3110 配置:I/B/P8/K/V3.1
	1D.20030.001453	硬盘录像机	(出口-天地-DB)TC-R3110 配置:I/B/P8/K/V3.1
	1D.20030.001304	硬盘录像机	(出口-天地)TC-R3210 配置:I/B/P8/K/V3.1
	1D.20030.020502	硬盘录像机	(出口-天地)TC-R3210 配置:I/B/P8/K/En/V3.1[DZ235751]
	1D.20030.020616	硬盘录像机	(出口-天地)TC-R3210 配置:I/B/P8/K/V3.1[DZ235975]
	1D.20030.020690	硬盘录像机	(出口-天地)TC-R3210 配置:I/B/P8/K/V3.1[DZ245031]
	1D.20030.001436	硬盘录像机	(出口-中性)TC-R3210 配置:I/B/P8/K/Z/V3.1
	1D.20030.001446	硬盘录像机	(出口-天地-KR)TC-R3210 配置:I/B/P8/K/V3.1
	1D.20030.001456	硬盘录像机	(出口-天地-DB)TC-R3210 配置:I/B/P8/K/V3.1
	1D.20030.020482	硬盘录像机	(出口-天地)TC-R3220 配置:I/B/P16/K/M/V3.1[DZ235715]

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	1D.20030.001305	硬盘录像机	(出口-天地)TC-R3220 配置:I/B/P16/K/V3.1
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	1D.20030.020617	硬盘录像机	(出口-天地)TC-R3220 配置:I/B/P16/K/V3.1[DZ235975]
	1D.20030.001437	硬盘录像机	(出口-中性)TC-R3220 配置:I/B/P16/K/Z/V3.1
	1D.20030.001455	硬盘录像机	(出口-天地-DB)TC-R3220 配置:I/B/P16/K/V3.1
	1D.20030.001447	硬盘录像机	(出口-天地-KR)TC-R3220 配置:I/B/P16/K/V3.1
	1D.20030.020081	硬盘录像机	(出口-天地)TC-R3105 配置:I/B/L/V1.1
	1D.20030.020082	硬盘录像机	(出口-天地)TC-R3105 配置:I/B/L/Eu/V1.1
	1D.20030.020442	硬盘录像机	(出口-天地)TC-R3105 配置:I/B/L/En/V1.1[DZ235659]
	1D.20030.020619	硬盘录像机	(出口-天地)TC-R3105 配置:I/B/L/Eu/V1.1[DZ235975]
	1D.20030.020618	硬盘录像机	(出口-天地)TC-R3105 配置:I/B/L/V1.1[DZ235975]
	1D.20030.020673	硬盘录像机	(出口-天地)TC-R3105 配置:I/B/L/Eu/V1.1[DZ245020]

1.2 Reason of Upgrade

Fix known defects and optimize product performance.

1.2.1 New Features

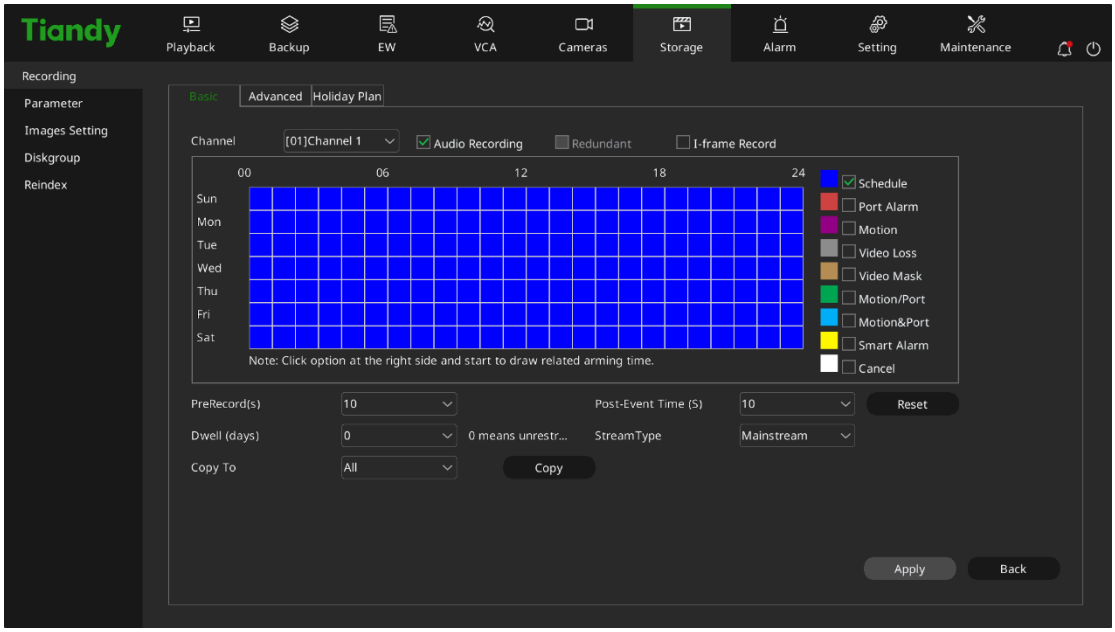
1. Adjust the background color and style of the GUI interface, simplify the startup interface, and make the screen more concise and beautiful.

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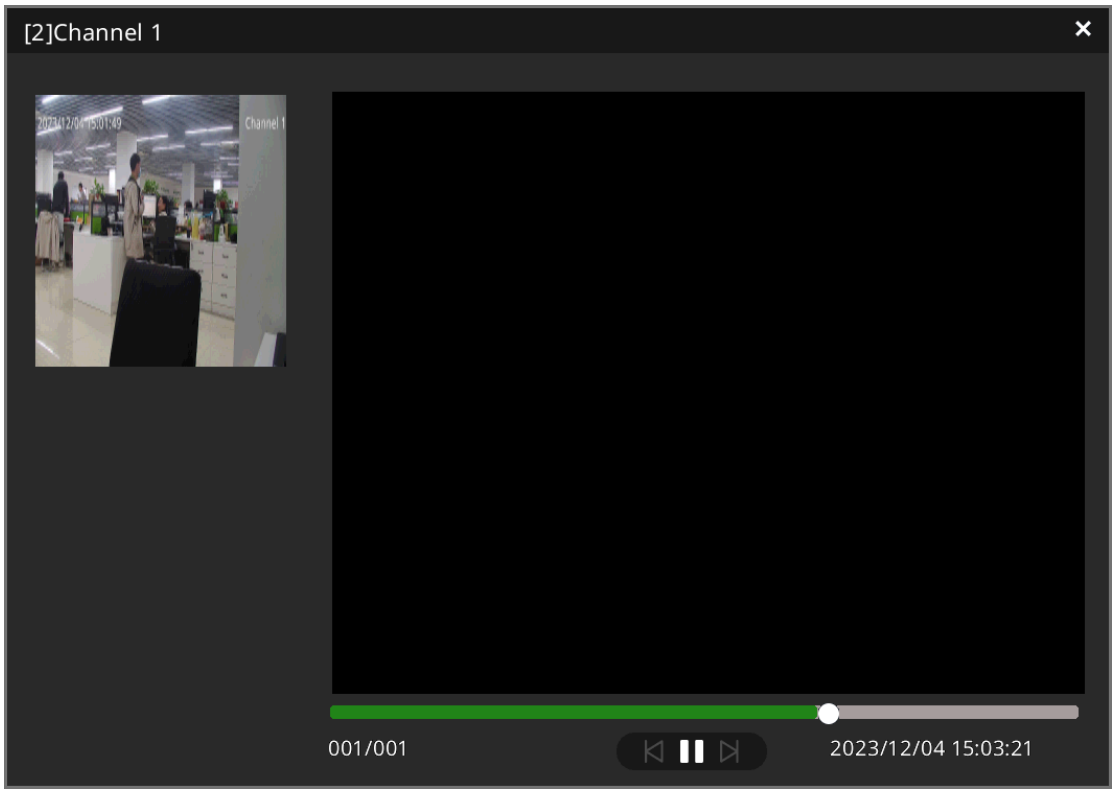


2. The NVR: UI preview interface that supports target detection has added intelligent analysis (trip line, perimeter, double trip line) alarm image display function.
   a) The UI supports viewing real-time and historical detection results, selecting recipients in real-time, and intelligently analyzing data; Historical support for screening based on human or intelligent analysis;
   b) The displayed content includes: intelligent analysis type, target type (person, vehicle, other), and alarm time;

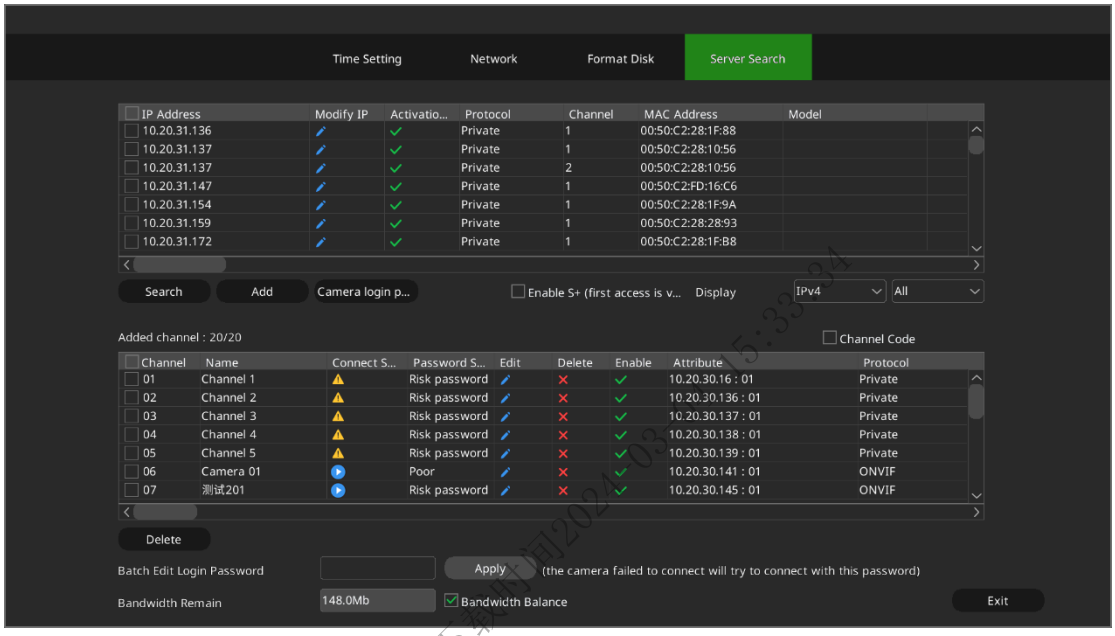


   c) Double click on the image with the mouse to display the video playback of the large image and its time.

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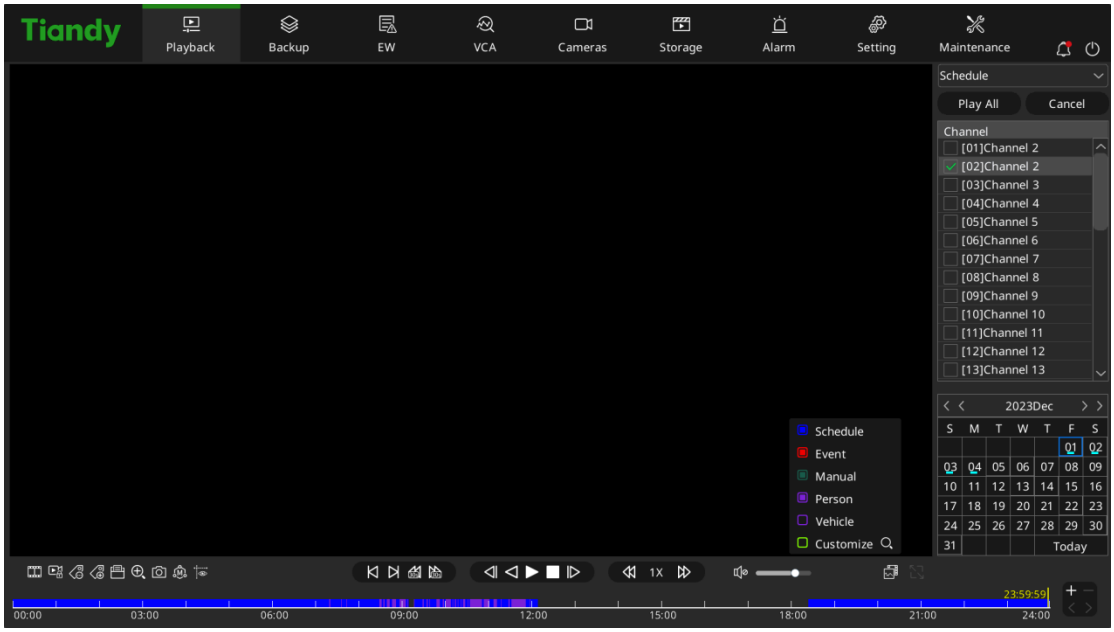


3. UI preview interface switching with simple startup wizard and preview interface style.

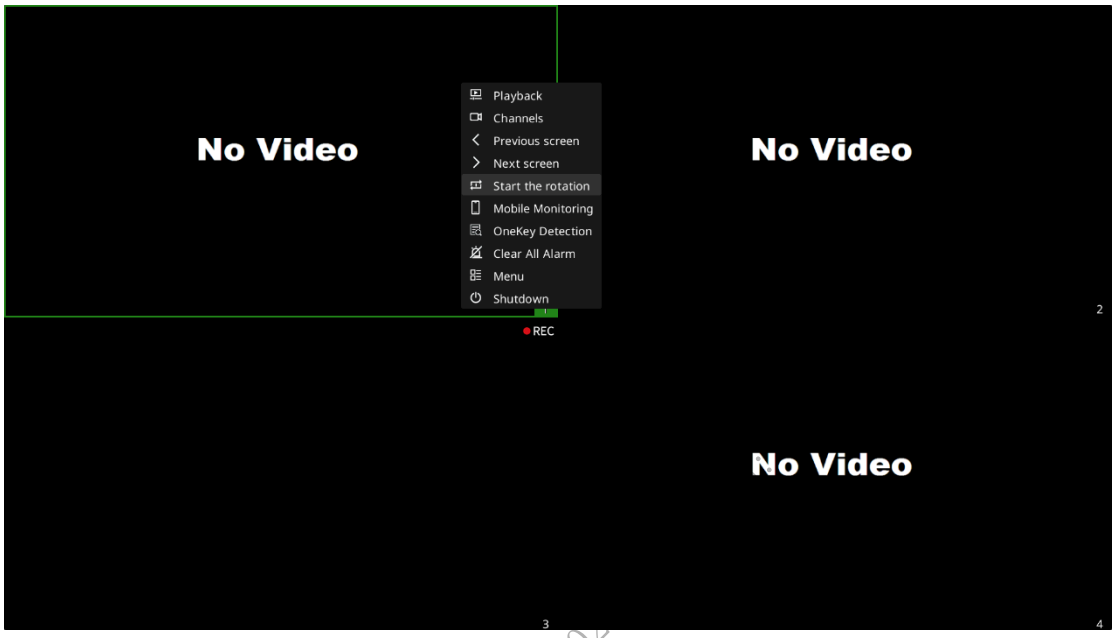


4. NVR (Appendix 1.)supports playback and recording, which can be distinguished and queried according to the target person and vehicle. To use this function, it is necessary to add an IPC that supports intelligent analysis algorithms for human vehicle targets, and to intelligently analyze alarms and link the recording of this channel.

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5. Remove “format disk” from the right-click menu of the mouse, increase screen switching, and increase usability.



6. Add time to the last window which has no channel at all. It works for cases when windows quantity is more than channels.

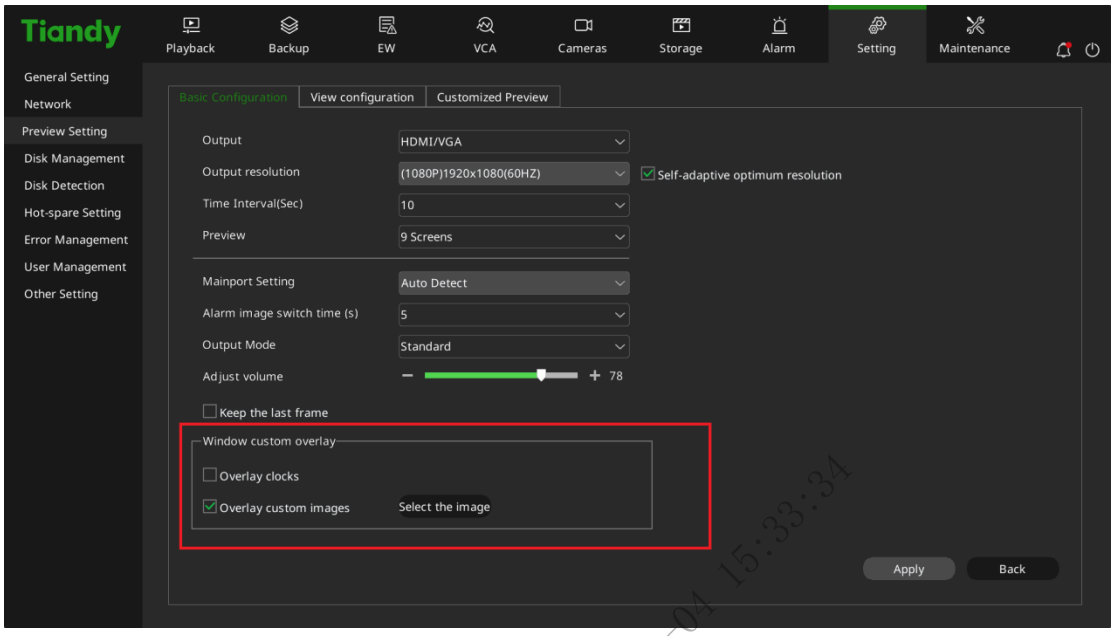
a) The clock is displayed in minutes.

b) Lite k NVR supports the function of stacking custom logos. The same window supports selecting clock or custom logo stacking.

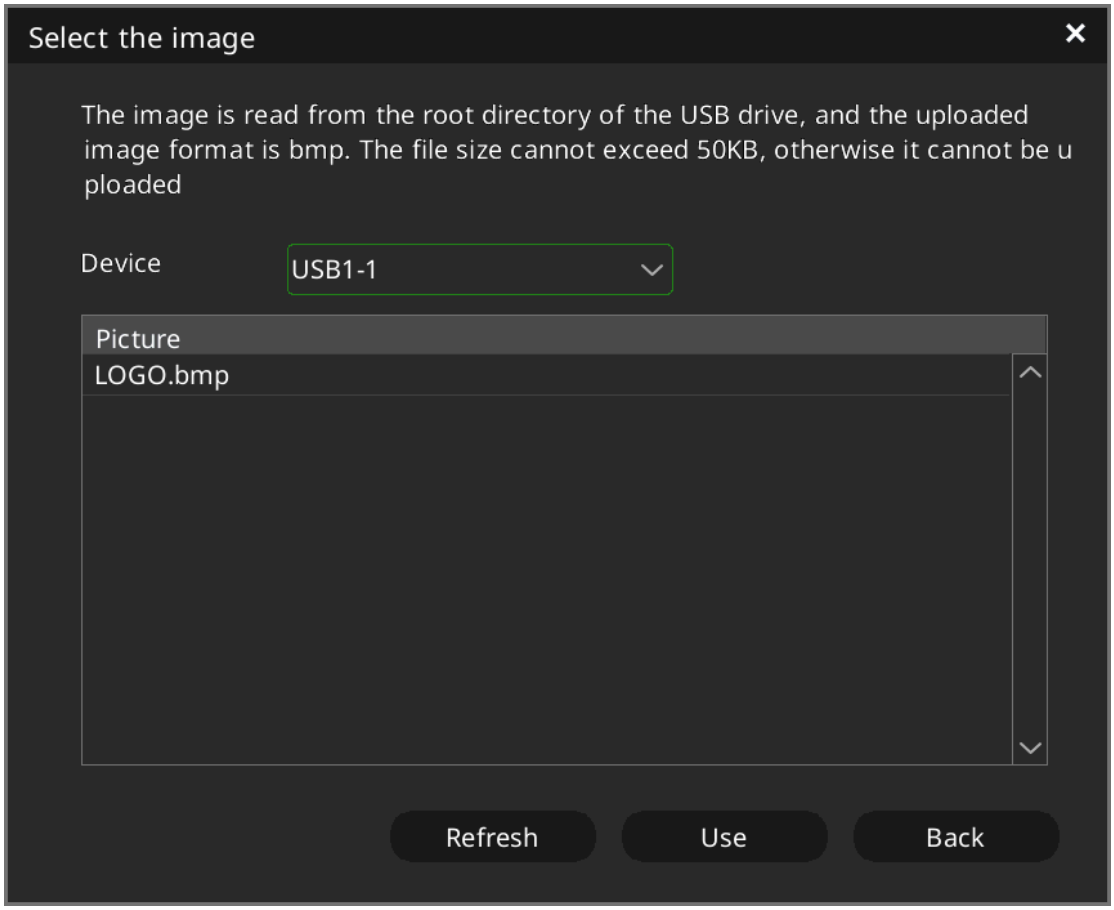
c) 1, 2, and 3 screens do not support stacking.

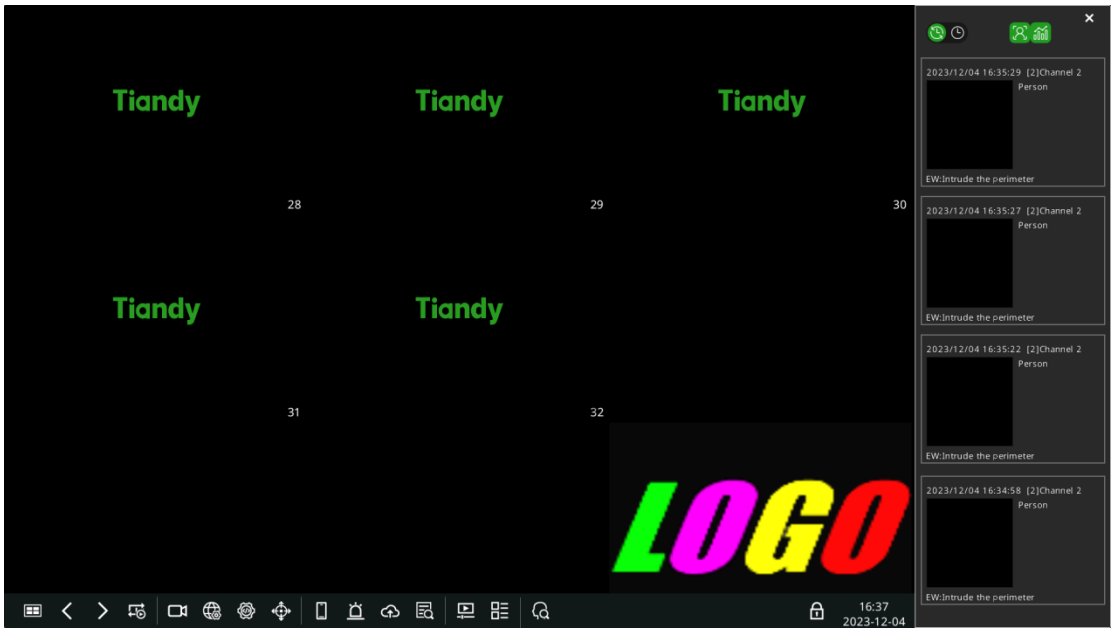
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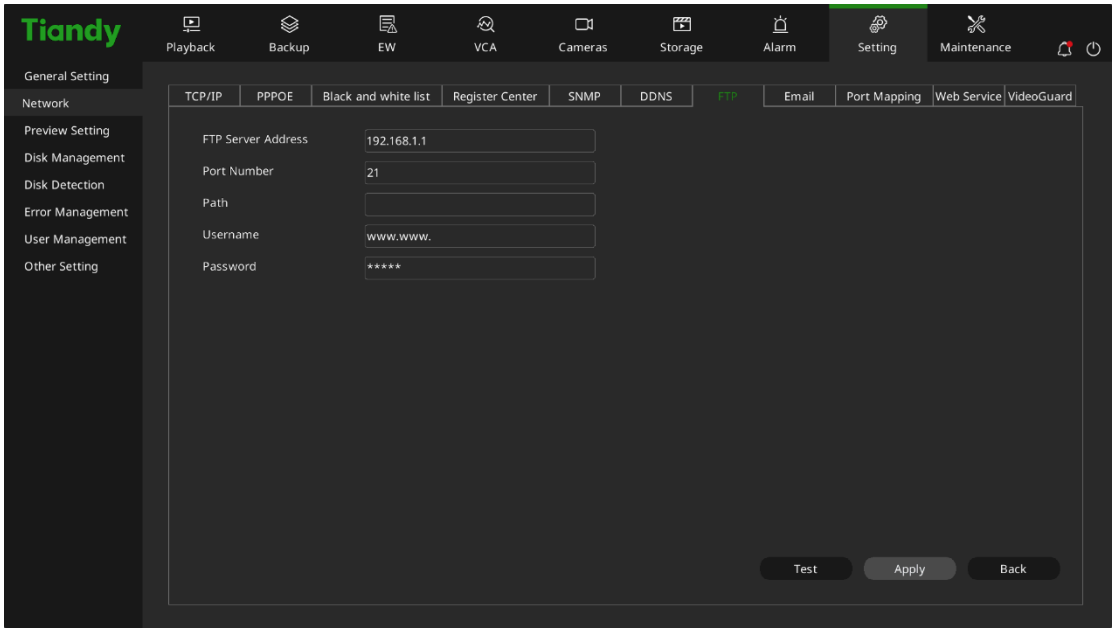
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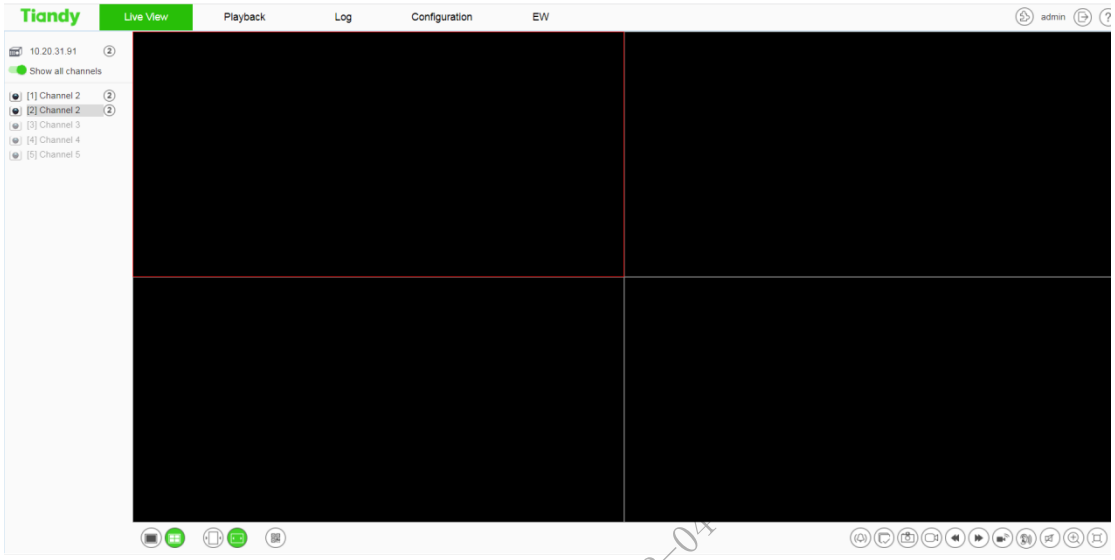


7. FTP usability improvement: NVR's FTP interface adds a button to test if the FTP server can connect or not.

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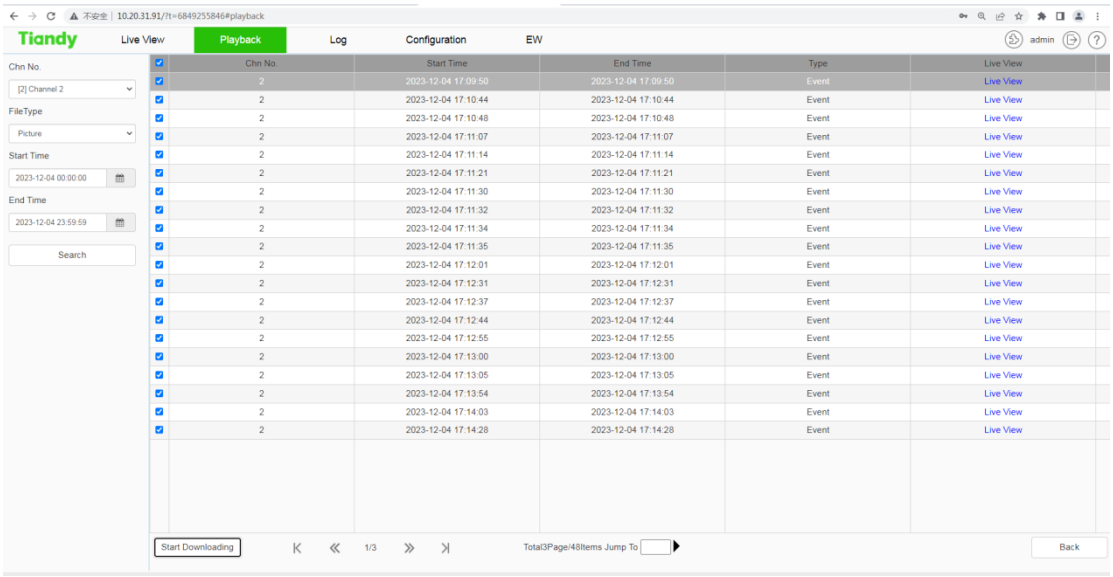


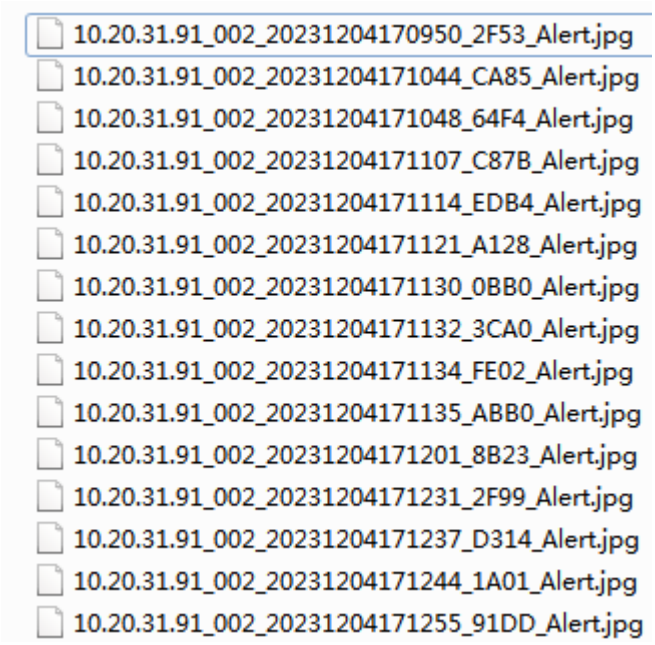
8. The web preview interface of NVR needs to display all added cameras (including online and offline).



9. The captured images of NVR events need to be changed to the following format: NVR IP+channel NO+capture time+sequence code+event name (Appendix 2).

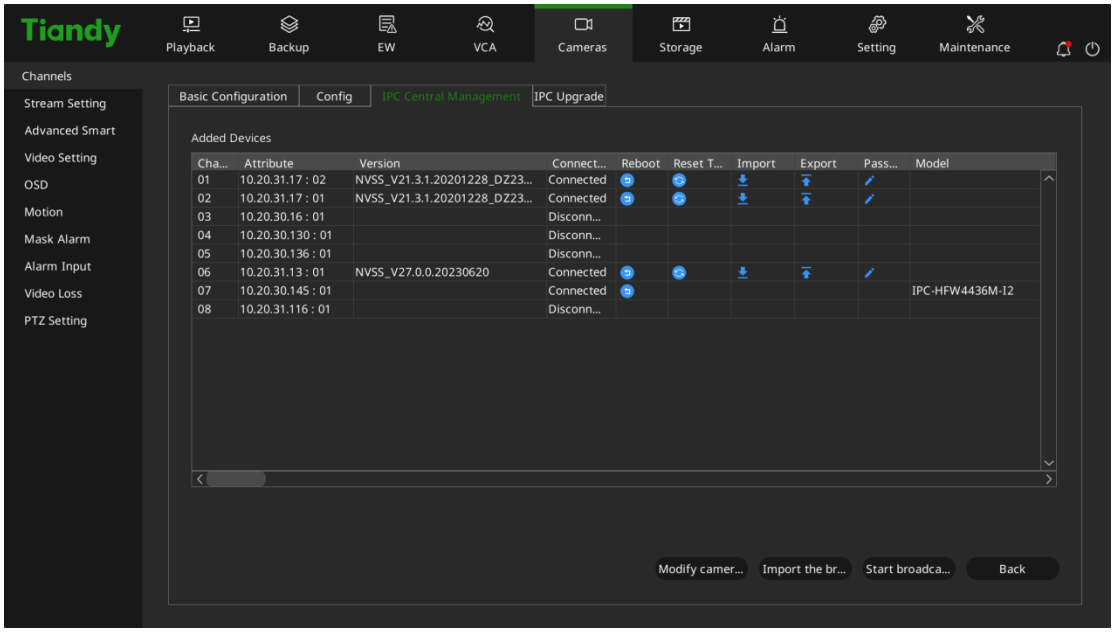
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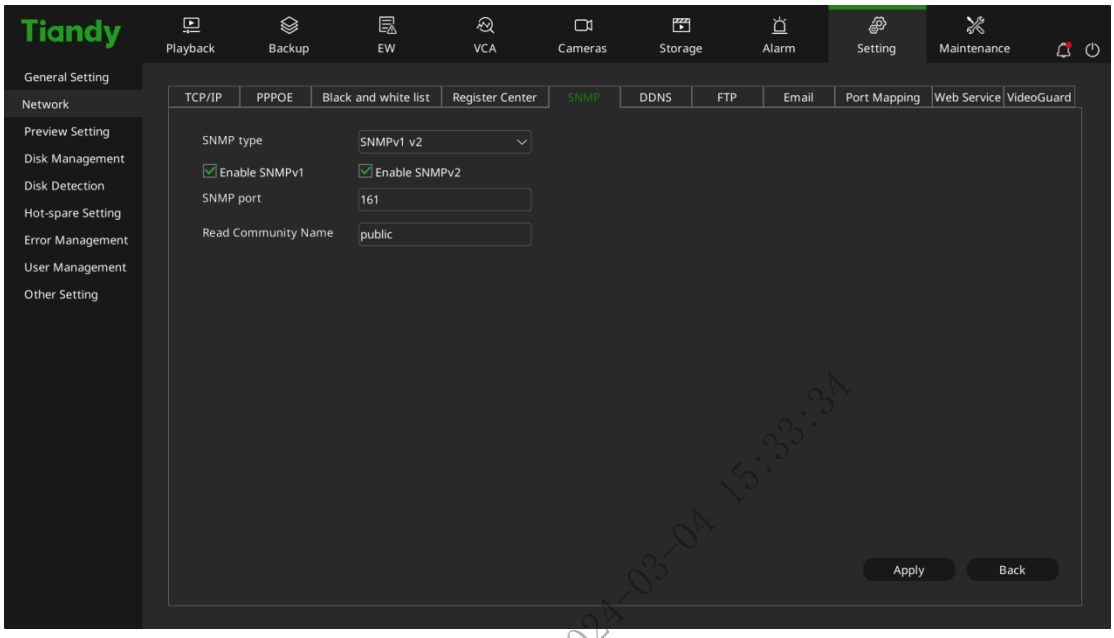


10. The NVR displays the model name on the IPC control management interface.

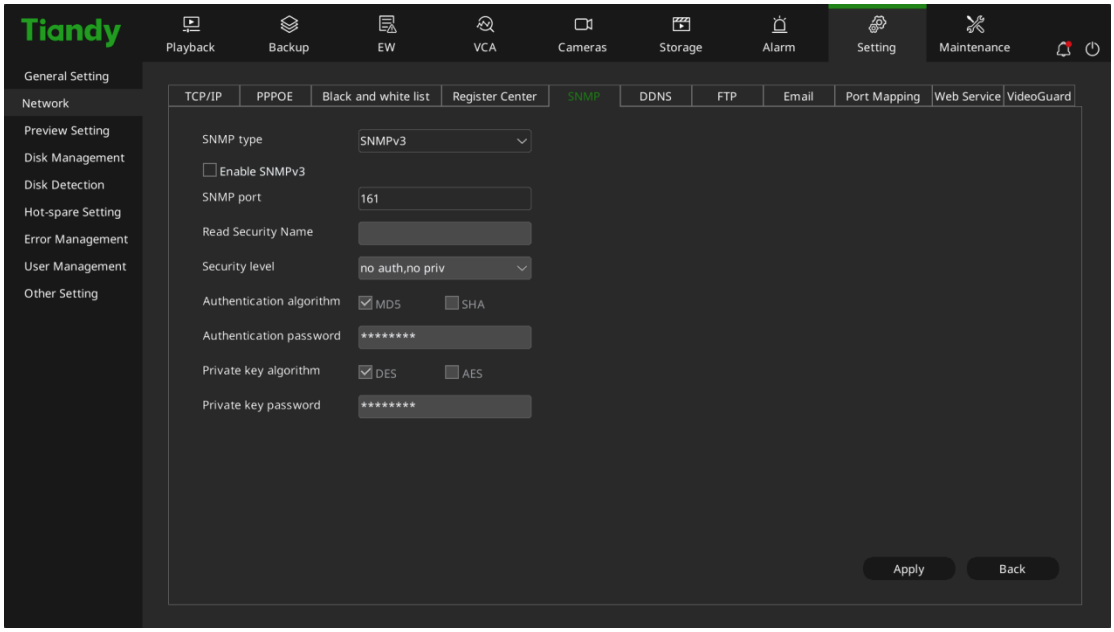
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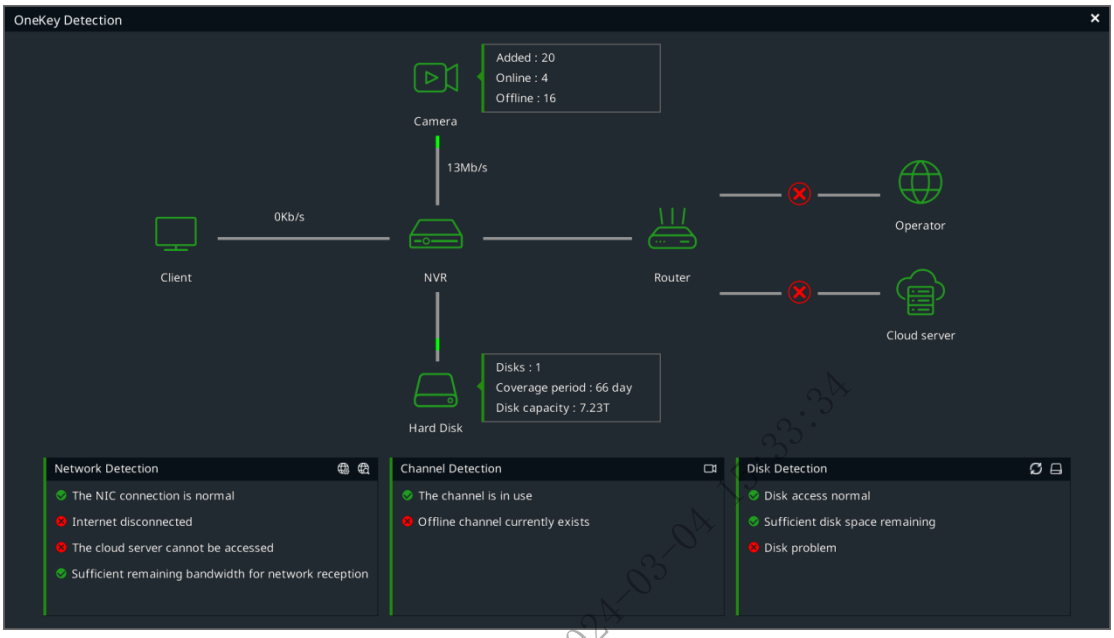
11. SNMP security improvement: lite-k NVR has added support for v2 and v3 protocols, and WEB and UI have added configuration and switch options.



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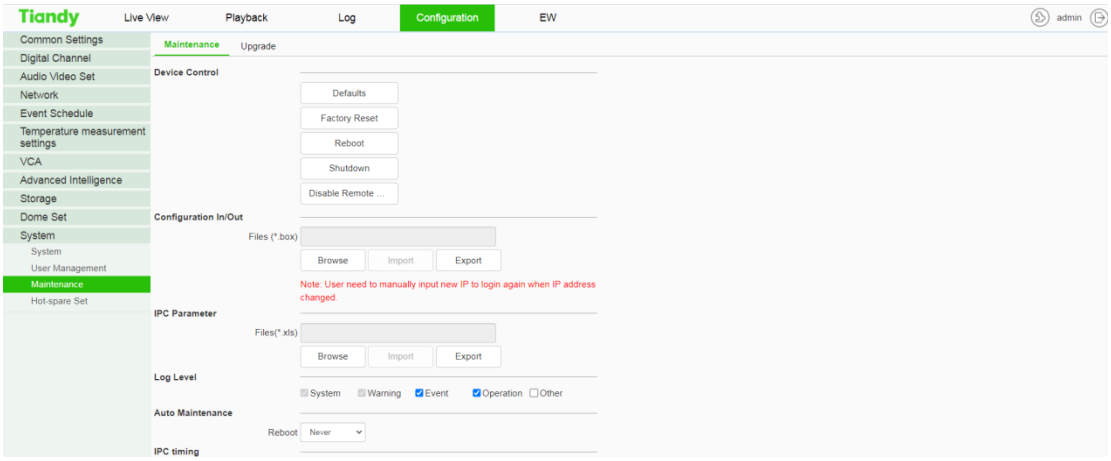


12. Add device physical examination function to the UI of NVR, and output test report, including: network, hard disk, app online status

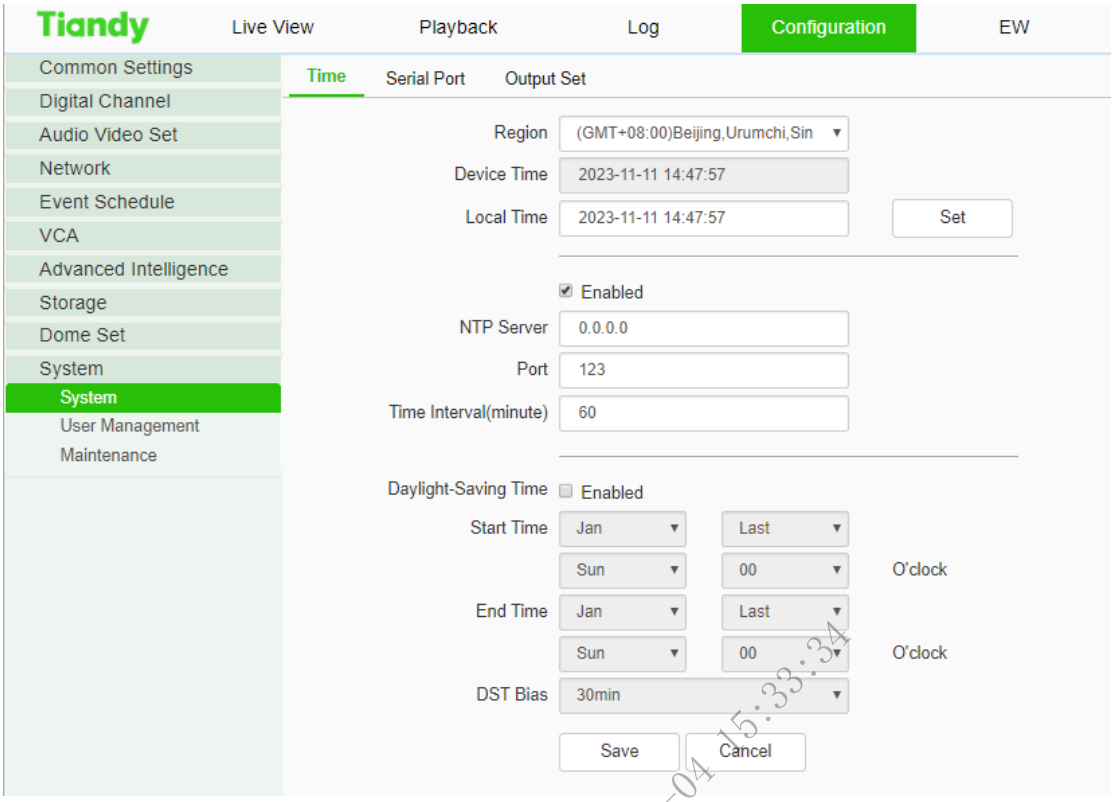


13. The WEB interface has added a factory reset function, which can restore the NVR IP.

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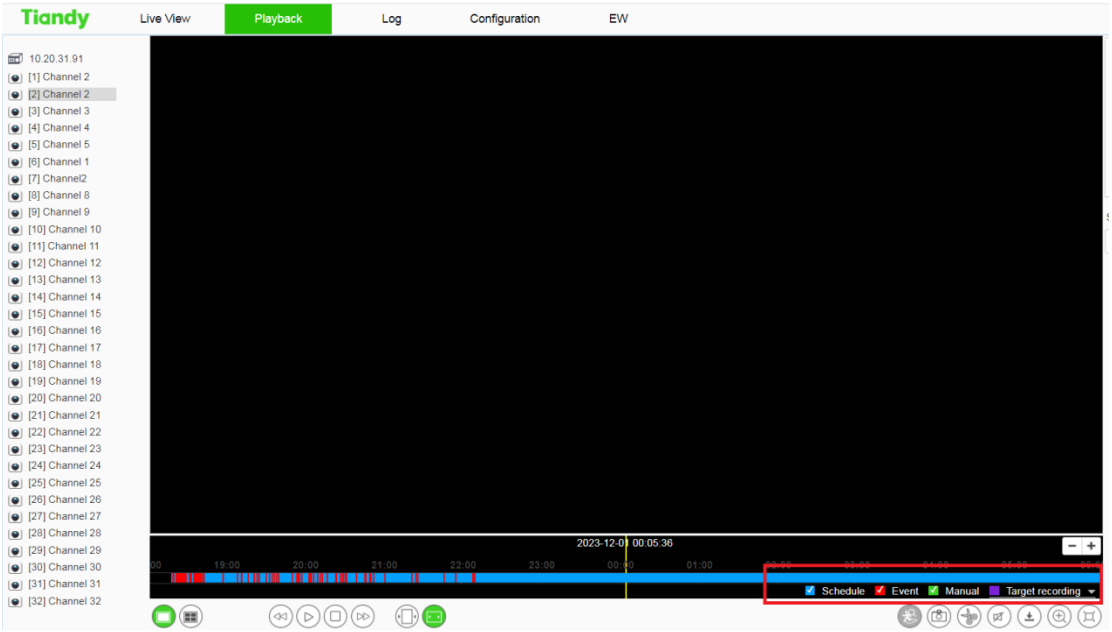


14. Add device time display on the WEB.



15. The web video playback interface of NVR allows for video filtering on the timeline based on four categories: "event", "scheduled", "manual" and “Target recording”, which includes both “people” and “cars”.

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16. When the video recorder modifies the camera IP address, the "IP modification failure" caused by incorrect username and password will be changed to "incorrect username and password".
17. Add Albanian language to the 128M web and UI interface.
18. When setting up the web and UI interface of NVR at GMT+3, the corresponding time zone displays the city of Baghdad as an additional city.
19. UI adds the ability to modify channel sorting through drag and drop actions, simplifying the first deployment operation steps
20. Video recorder UI interface, right-click on playback to directly locate the current channel.

1.2.2 Fixed bugs

None

1.2.3 Pending Issues

None

1.3 Update Guide

1. You can upgrade the NVR by SearchConfigTool, web and USB flash drive. For details, see Upgrade Guide.

2. Services such as recording and live view will be paused during the upgrade process. The NVR works normally after upgrade and rebooting.

3. The upgrade does not affect previous settings of the NVR.

4. Do not power off during the upgrade process, or the NVR will not boot up properly.

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Appendix

1.

1D.20030.000829	TC-R3110 SPEC:I/B/P8/V3.0
1D.20030.001282	TC-R3110 SPEC:I/B/P8/Am/V3.0
1D.20030.020364	TC-R3110 SPEC:I/B/P8/En/V3.0[DZ235528]
1D.20030.000842	TC-R3110 SPEC:I/B/P8/Z/V3.0
1D.20030.000983	TC-R3110 SPEC:I/B/P8/V3.0[DZ210745]
1D.20030.001206	TC-R3110 SPEC:I/B/P8/V3.0
1D.20030.001266	TC-R3110 SPEC:I/B/P8/V3.0
1D.20030.001300	TC-R3105 SPEC:I/B/P4/K/V3.1
1D.20030.020365	TC-R3105 SPEC:I/B/P4/K/En/V3.1[DZ235528]
1D.20030.001432	TC-R3105 SPEC:I/B/P4/K/Z/V3.1
1D.20030.001442	TC-R3105 SPEC:I/B/P4/K/V3.1
1D.20030.001452	TC-R3105 SPEC:I/B/P4/K/V3.1
1D.20030.020481	TC-R3110 SPEC:I/B/P8/K/M/V3.1[DZ235715]
1D.20030.001301	TC-R3110 SPEC:I/B/P8/K/V3.1
1D.20030.020366	TC-R3110 SPEC:I/B/P8/K/En/V3.1[DZ235528]
1D.20030.001433	TC-R3110 SPEC:I/B/P8/K/Z/V3.1
1D.20030.001443	TC-R3110 SPEC:I/B/P8/K/V3.1
1D.20030.001453	TC-R3110 SPEC:I/B/P8/K/V3.1
1D.20030.001304	TC-R3210 SPEC:I/B/P8/K/V3.1
1D.20030.020502	TC-R3210 SPEC:I/B/P8/K/En/V3.1[DZ235751]
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1D.20030.001456	TC-R3210 SPEC:I/B/P8/K/V3.1
1D.20030.020482	TC-R3220 SPEC:I/B/P16/K/M/V3.1[DZ235715]
1D.20030.001305	TC-R3220 SPEC:I/B/P16/K/V3.1
1D.20030.020447	TC-R3220 SPEC:I/B/P16/K//EnV3.1[DZ235659]
1D.20030.001437	TC-R3220 SPEC:I/B/P16/K/Z/V3.1
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1D.20030.001447	TC-R3220 SPEC:I/B/P16/K/V3.1
1D.20030.001302	TC-R3210 SPEC:I/B/K/V3.1
1D.20030.001434	TC-R3210 SPEC:I/B/K/Z/V3.1
1D.20030.001454	TC-R3210 SPEC:I/B/K/V3.1
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1D.20030.001435	TC-R3220 SPEC:I/B/K/Z/V3.1
1D.20030.020112	TC-R3220 SPEC:I/B/K/V3.1[DZ225071]
1D.20030.020306	TC-R3220 SPEC:I/B/K/V3.1

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1D.20030.001303	TC-R3220 SPEC:I/B/K/V3.1
1D.20030.020369	TC-R3220 SPEC:I/B/K/En/V3.1[DZ235528]
1D.20030.020508	TC-R3220 SPEC:I/B/K/V3.1[DZ235765]
1D.20030.001460	TC-R3220 SPEC:I/B/K/V3.1[DZ220919]
1D.20030.001306	TC-R3232 SPEC:I/B/K/V3.1
1D.20030.020370	TC-R3232 SPEC:I/B/K/En/V3.1[DZ235528]
1D.20030.001438	TC-R3232 SPEC:I/B/K/Z/V3.1
1D.20030.020496	TC-R3232 SPEC:I/B/K/V3.1[DZ235741]
1D.20030.020113	TC-R3232 SPEC:I/B/K/V3.1[DZ225071]
1D.20030.001411	TC-R3232 SPEC:I/B/K/V3.1[DZ220812]
1D.20030.001448	TC-R3232 SPEC:I/B/K/V3.1
1D.20030.001307	TC-R3432 SPEC:I/B/K/V3.1
1D.20030.020371	TC-R3432 SPEC:I/B/K/En/V3.1[DZ235528]
1D.20030.020114	TC-R3432 SPEC:I/B/K/V3.1[DZ225071]
1D.20030.001412	TC-R3432 SPEC:I/B/K/V3.1[DZ220812]
1D.20030.001439	TC-R3432 SPEC:I/B/K/Z/V3.1
1D.20030.001449	TC-R3432 SPEC:I/B/K/V3.1
1D.20030.000828	TC-R3105 SPEC:I/B/P/V3.0
1D.20030.000841	TC-R3105 SPEC:I/B/P/Z/V3.0
1D.20030.000858	TC-R3105 SPEC:I/B/P/A/V3.0
1D.20030.000980	TC-R3105 SPEC:I/B/P/V3.0[DZ210745]
1D.20030.001097	TC-R3105 SPEC:I/B/P/V3.0[DZ211023]
1D.20030.001278	TC-R3105 SPEC:I/B/P/Au/V3.0
1D.20030.020363	TC-R3105 SPEC:I/B/P/En/V3.0[DZ235528]
1D.20030.001264	TC-R3105 SPEC:I/B/P/V3.0
1D.20030.001202	TC-R3105 SPEC:I/B/P/V3.0
1D.20030.020263	TC-R3105 SPEC:I/B/P/L/V1.1
1D.20030.020091	TC-R3105 SPEC:I/B/P/L/V1.1
1D.20030.020160	TC-R3105 SPEC:I/B/P/L/V1.1[DZ235073]

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2.

1	Motion
2	TamperDetection
3	VideoLoss
4	Tripwire
5	DoubleTripwire
6	Perimeter
7	ObjectAbandon
8	ObjectMissing
9	Loitering
10	Running
11	Parking
12	Alert
13	FaceDetect
14	FaceDiscern
15	PlatLicenseRecog
16	AudioDetection
17	VideoDetection
18	Group
19	OnDutyDetection
20	GuardPark
21	IllegalPark
22	Helmet
23	TemDetect
24	SmartMove
25	IndoorEbike
26	FallingObject
27	Demographics
28	Timing
29	Manual

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