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# Release Notes

## 1.1 OverView

| Item | Description |
|---|---|
| Product name | Network camera |
| Firmware Basic Information | Kernel Version NVSS_V30.0.1.20230527_SP1<br>Web Version 6.1.23.617<br>APP Version V4.3.0.230613.7DC3A7AB<br>SDK Version 5.3.23.511 |
| Related product | S6:<br>1D.20020.000531, 1D.20020.000575,<br>1D.20020.000521, 1D.20020.000534,<br>1D.20020.000430, 1D.20020.000583,<br>1D.20020.000427, 1D.20020.000467,<br>1D.20020.000429, 1D.20020.000616,<br>1D.20020.000525, 1D.20020.000422,<br>1D.20020.000584, 1D.20020.000463,<br>1D.20020.000572, 1D.20020.000464,<br>1D.20020.000465, 1D.20020.000529,<br>1D.20020.000579, 1D.20020.000470,<br>1D.20020.000421, 1D.20020.000581,<br>1D.20020.000532, 1D.20020.000648,<br>1D.20020.000533, 1D.20020.000466,<br>1D.20020.000577, 1D.20020.000530,<br>1D.20020.000571, 1D.20020.020061,<br>1D.20020.000617, 1D.20020.000468,<br>1D.20020.000519, 1D.20020.000647,<br>1D.20020.000424, 1D.20020.000576,<br>1D.20020.000526, 1D.20020.000528,<br>1D.20020.020060, 1D.20020.000423,<br>1D.20020.000535, 1D.20020.000524,<br>1D.20020.000646, 1D.20020.000428,<br>1D.20020.000582, 1D.20020.000527,<br>1D.20020.000520, 1D.20020.000618,<br>1D.20020.000645, 1D.20020.000469,<br>1D.20020.000649 |

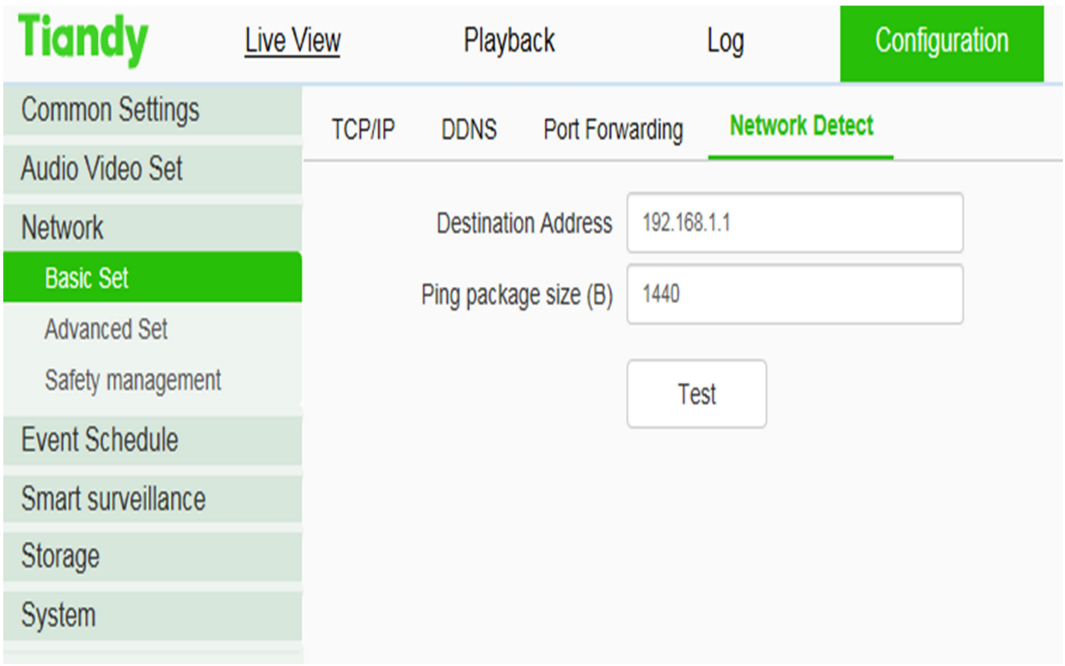
## 1.2 Reason of Upgrade

Fix known defects and optimize product performance.

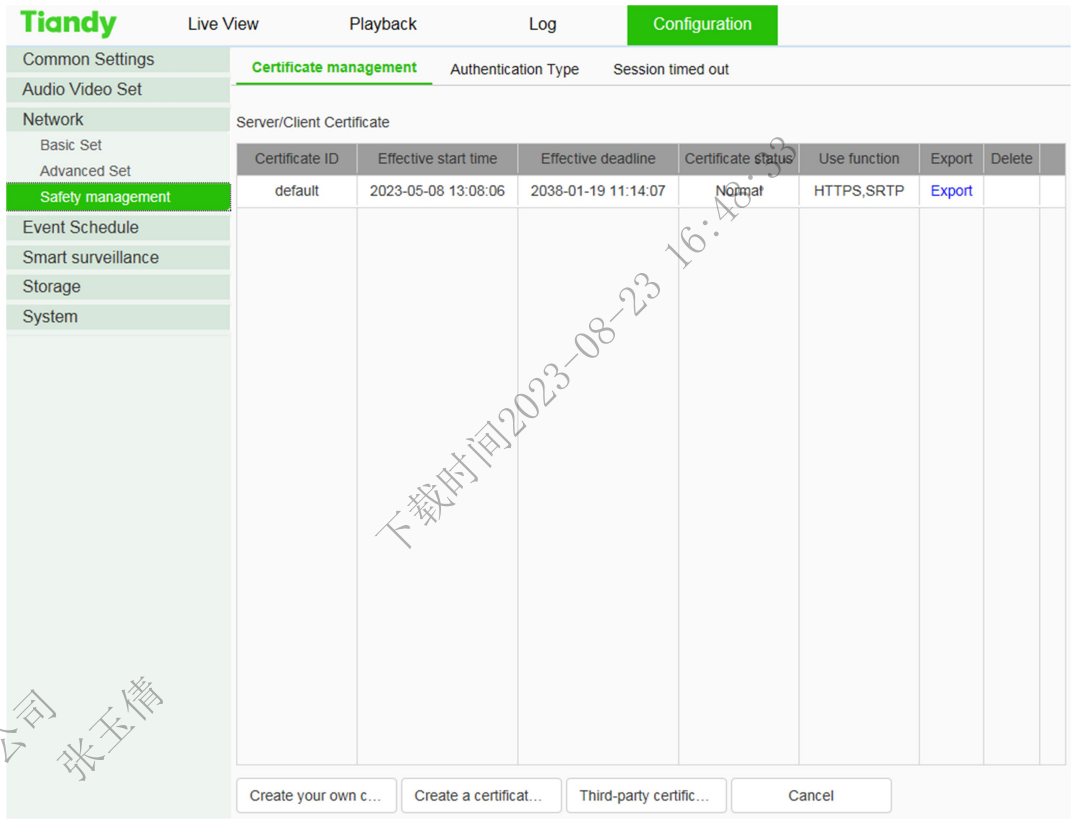
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## 1.2.1 New Features

1. add new function”network detect”， This function can be used to determine whether the IPC is connected to the target device's network；

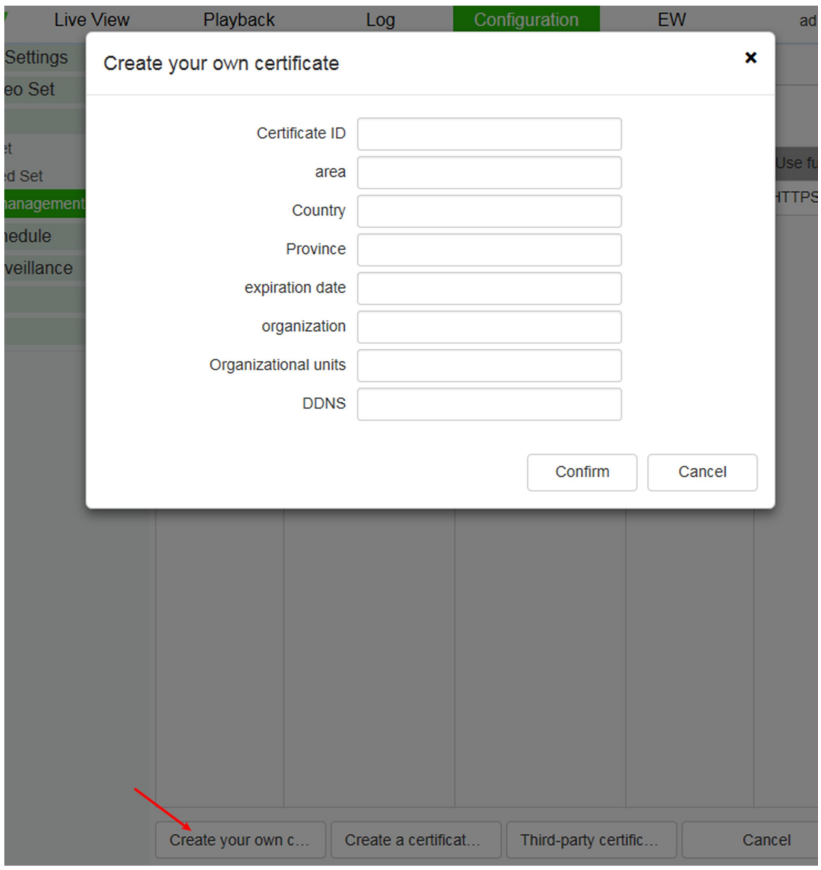



2. Add” certificate management” function



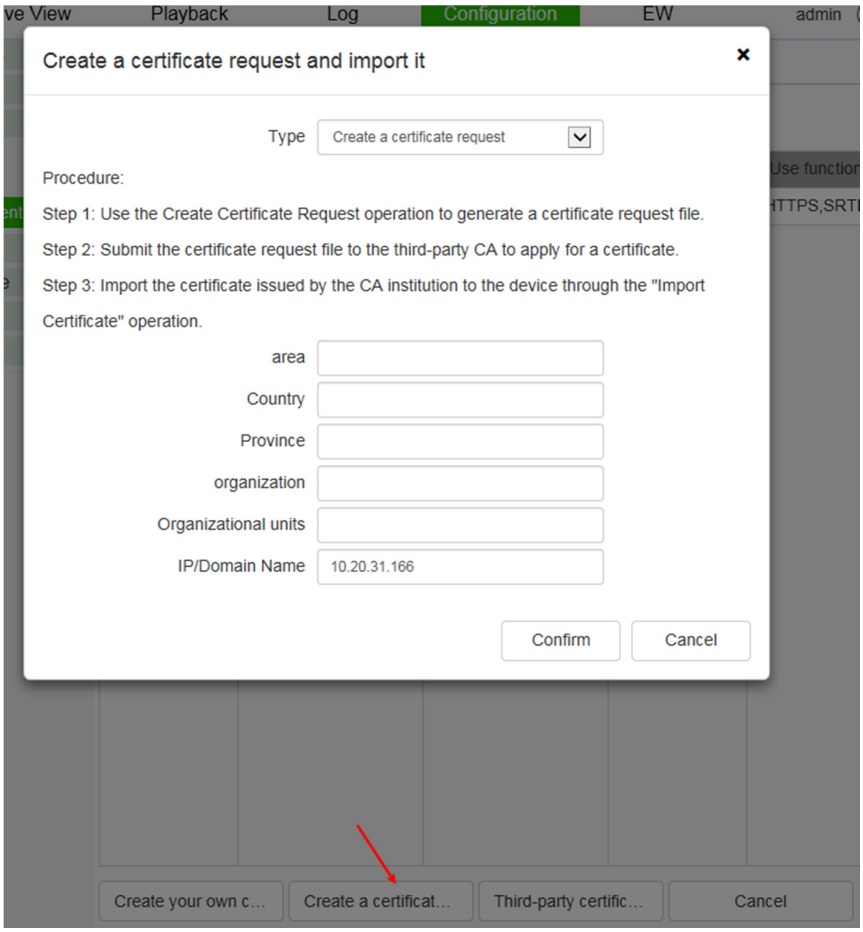

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① . Can achieve self creation of certificates；

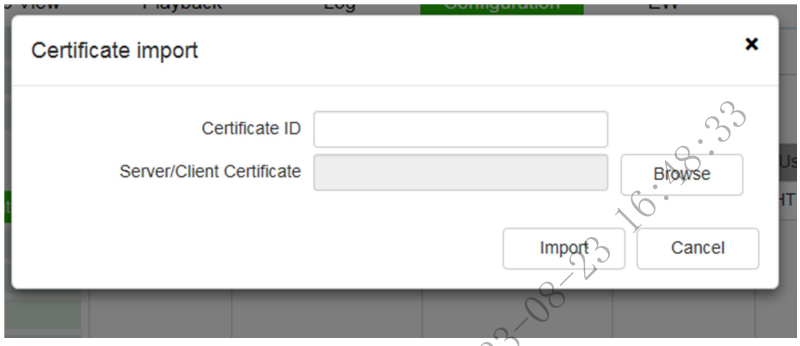



② .create a certificate request and import it

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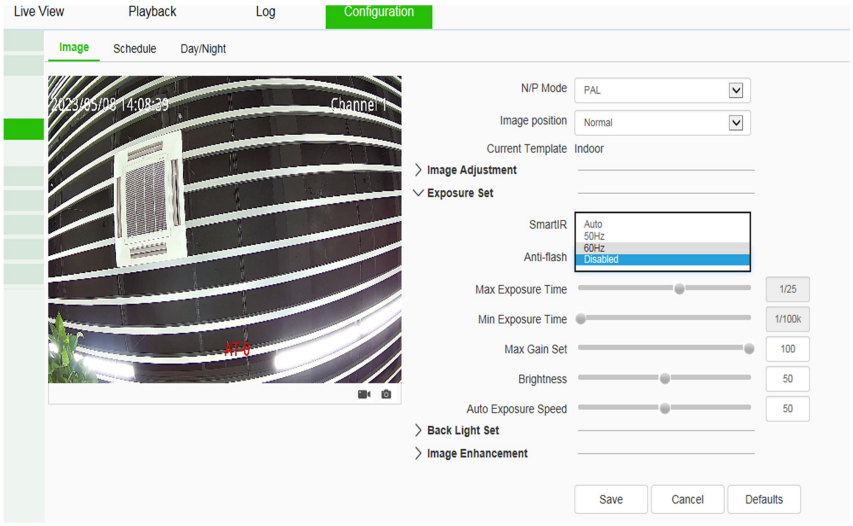



③ .import the 3rd part certificate

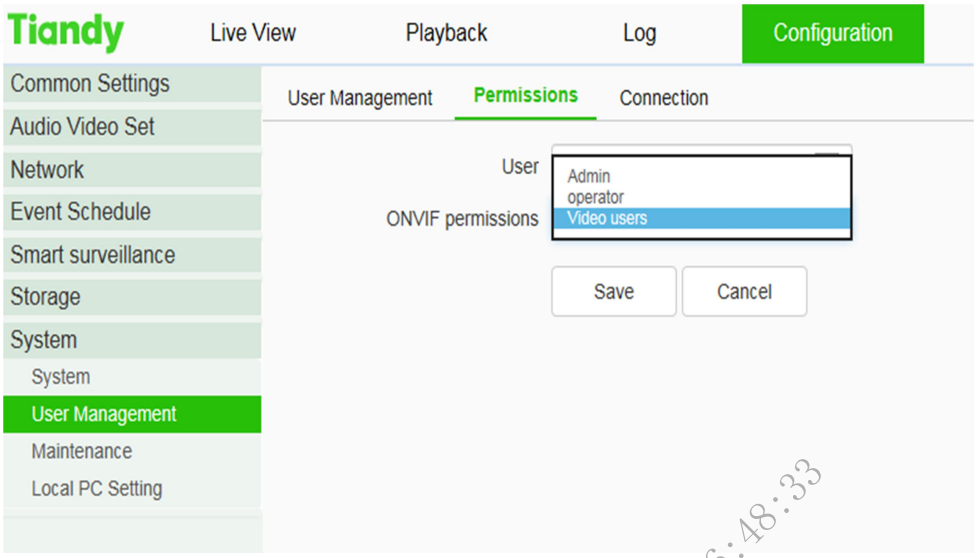



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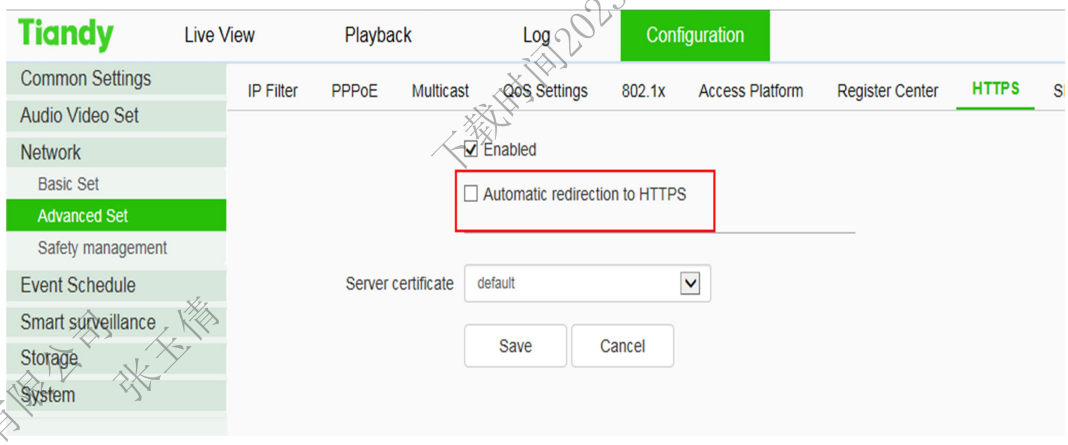
5. Add”anti-flash”funcion




6. ADD onvif permissions management function,Can achieve independent permission management for onvif users and web users；




7. Add the automatic jump to HTTPS login function, and once enabled, directly jump to HTTPS login；

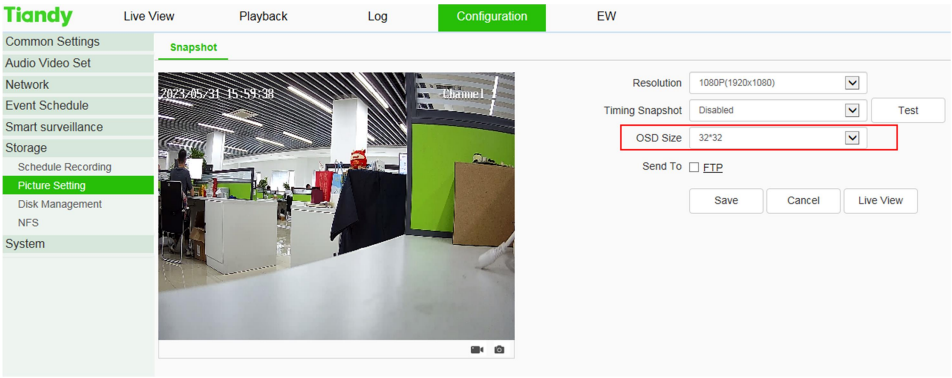



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9. Adding device SN and version information during log export facilitates obtaining the necessary information for troubleshooting issues；

10. ONVIF protocol supports upgrade package upgrades；

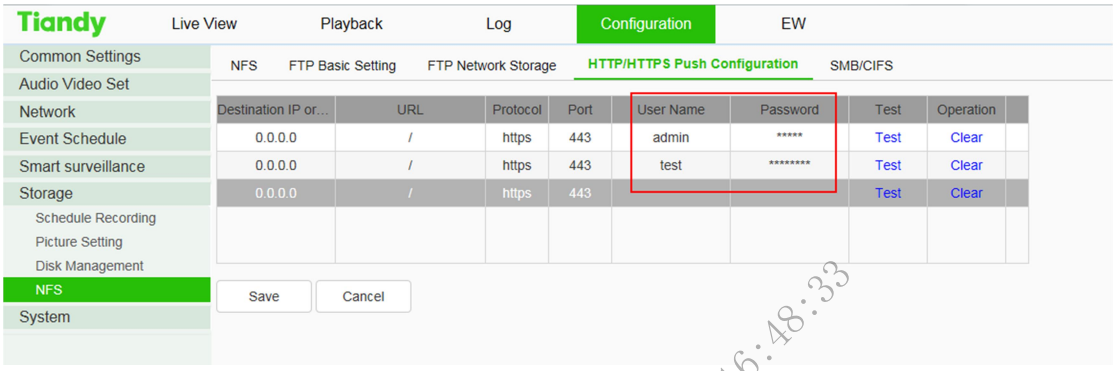
11. Timed capture of images superimposed with OSD font size can be independently set；




12. All entries in the WEB interface support modification using the entry export tool. (excluding logs)

13. Add Albanian；

14. HTTP/HTTPS push image, add username and password verification, do not verify username and password if not entered；




15. The app supports video screening by alarm type (manual recording, regular recording, mobile alarm, video occlusion, intelligent analysis, port alarm) and supports downloading SD card recordings；

16. RTSP adds facial attributes (gender, age, mask) information in captured image streams

17. ONVIF support Profile M。

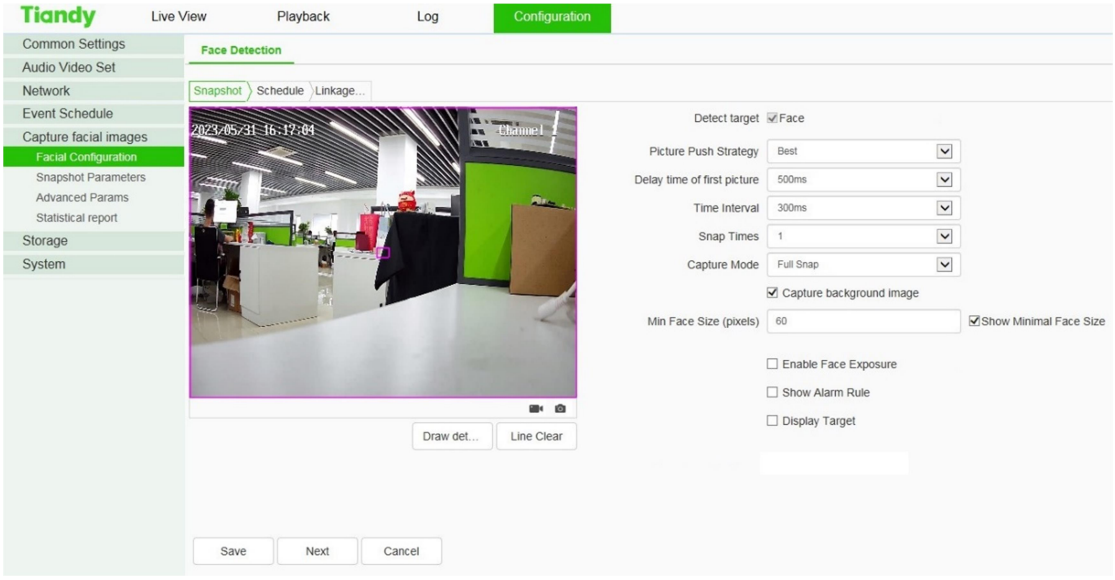
18. Optimize facial capture effect；

19. Optimization behavior analysis algorithm performance indicators；

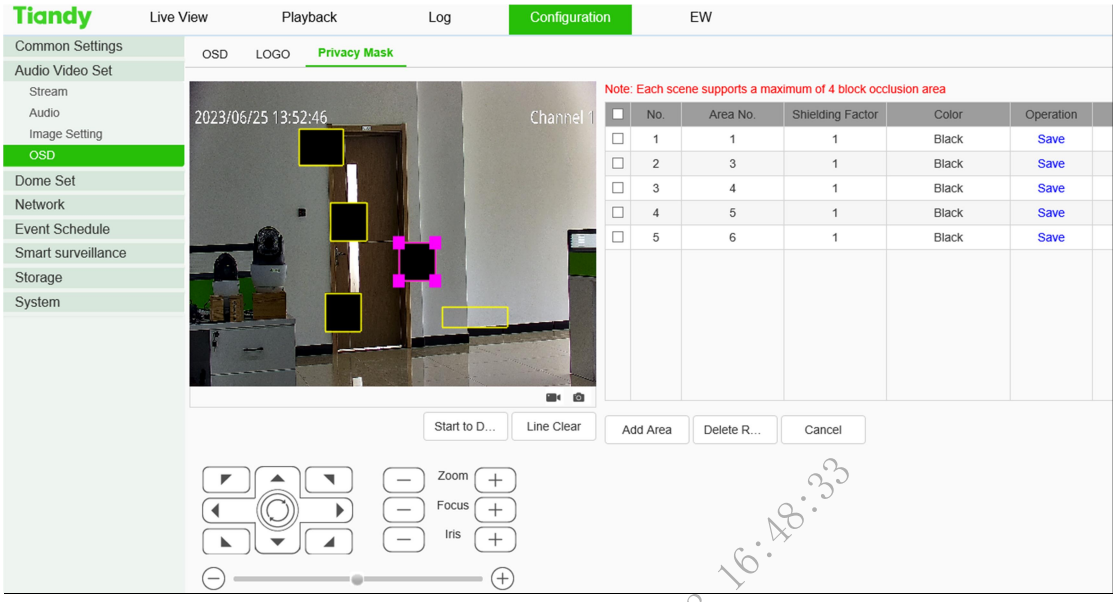
20. Optimize the performance indicators of the line drawing number statistics algorithm；

21. SMD series products add facial capture function (does not support facial attributes)；

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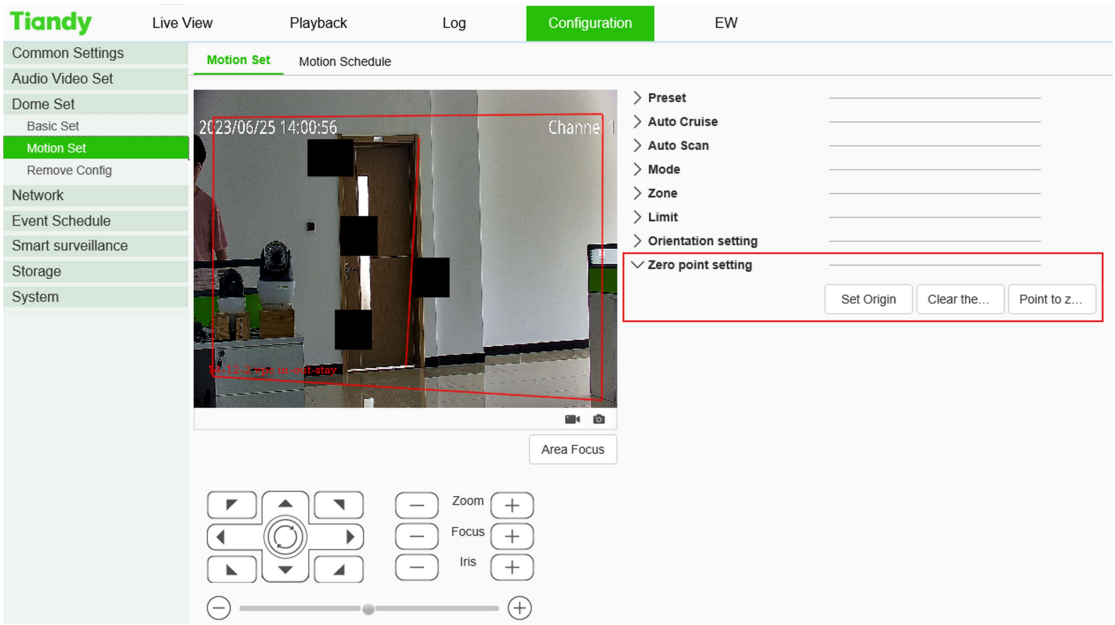

22. Privacy mask increased to 24 blocks. Up to 4 mask areas are allowed for each scene.



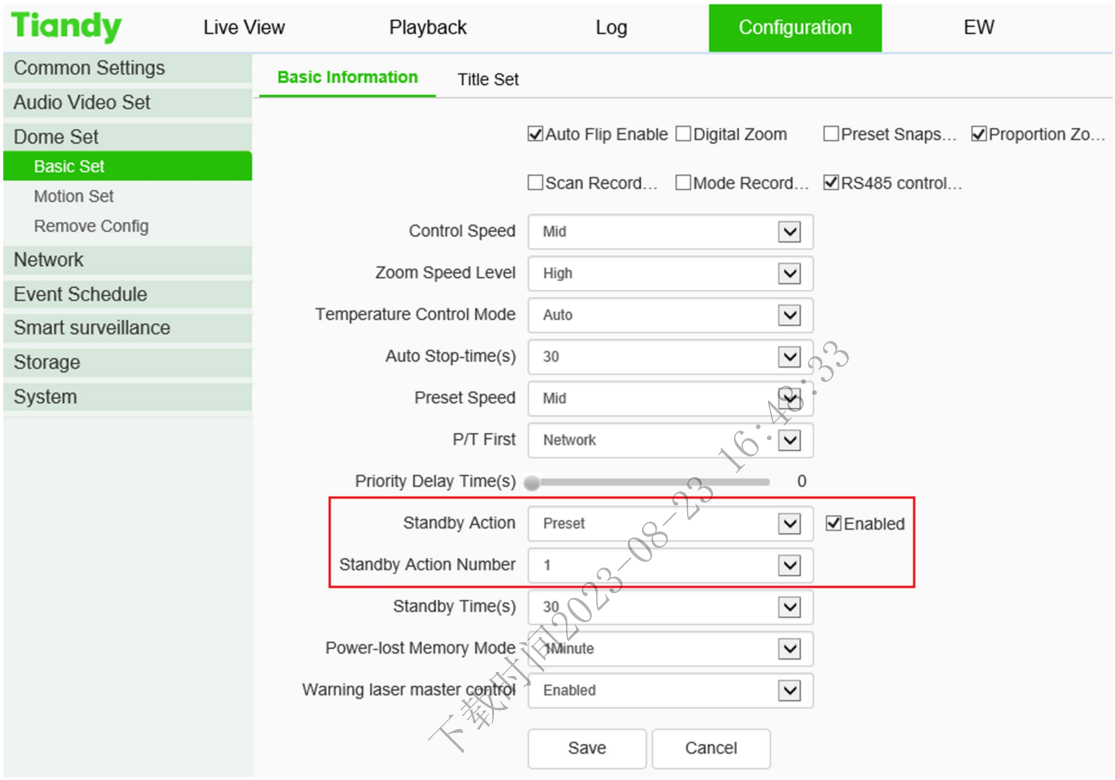

23. Supports the Digital Zoom models. The preset can be set at the period of digital zoom.

24. Add to support Clear the zero point and Point to zero point.

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25. Standby Action Number Support optional, for the Preset number can be set by 1-64, for the Auto Scan number can be set by 1-8, for the Auto Cruise number can be set by 1-16, for the Mode number can be set by 1-8.




26. Supports to obtain the PTZ information of preset by the protocol of ONVIF.

## 1.2.2 Fixed bugs

None

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### 1.2.3 Pending Issues

None

## 1.3 Update Guide

1. You can upgrade the Camera by Search Config Tool、web. For details, see Upgrade Guide.
2. Services such as view will be paused during the upgrade process. The Camera works normally after upgrade and rebooting.
3. The upgrade does not affect previous settings of the Camera.
4. Do not power off during the upgrade process, or the Camera will not boot up properly.

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