

Turbo HD DVR V4.83.941 Build 250925 Release Notes

Upgrade Reason

We have modified the product design, added new functions, and optimized the user experience.

Main Update

1. Release new DVS product

New Model: DS-6701HTHI-4K(B)

2. Press reset button to restore default parameters

Press and hold the reset button on the chassis for 10 seconds after the device starts to restore all device parameters to factory settings and restart the device.



3. Support TF card recording

- a. Supports TF card information display, formatting, recording, and overwriting.
- b. TF Card Hot Swapping Not Supported
- c. The TF card capacity is from 16 GB to 128 GB.

4. Supports PoE power supply

Supports PoE power supply. It can be connected to a PoE switch or a PoE-supported NVR to power the DVS.

5. Signal access capability

- a. HDMI or VGA is selected, and the maximum supported resolution is 4K@30fps.
- b. When AUTO is selected, the priority of HDMI and VGA is the same, and the later input signal connected will be displayed.

The screenshot displays the Hikvision web interface's Configuration tab. The left sidebar contains navigation options: Local, System, Network, Video/Audio (selected), Image, Event, and Storage. The main content area is titled 'Video/Audio' and includes sub-tabs for Multi-View Configuration, Target Cropping, and VGA Position Adjustment. A list of settings is shown, each with a dropdown menu. The 'Video Input' dropdown is highlighted with a red box, showing the options: AUTO, HDMI, VGA, and AUTO. Below the settings list are two buttons: 'Copy to...' and 'Save'.

Setting	Value
Camera	[A1] Camera 01
Camera Resolution	HDMI 1920*1080P60
Stream Type	Main Stream(Normal)
Video Type	Video & Audio
Resolution	Auto
Bitrate Type	Variable
Video Quality	Medium
Frame Rate	Full Frame
Max. Bitrate	4096 Kbps
Video Encoding	H.265
H.265+	OFF
Video Input	AUTO
Audio Input	HDMI
Audio Encoding	VGA
Adjust Volume	AUTO

- c. After the resolution of HDMI/VGA signal source is changed, you do not need to plug and unplug it for the self-adaption of signal input.
- d. If you connect the device to both HDMI and VGA at the same time, when you unplug the current signal source, the device will automatically switch to the other signal source.

6. Network function support status.

- a. Supports access to platform by Hik-Connect and ISUP.
- b. Supports Hikvision and ONVIF protocol access to network cameras, but not custom protocol access to cameras.
- c. Configuring pop-up for audio compliance is not supported.

7. Audio function support status

- a. AAC, G711alaw, and G711ulaw audio encoding supported.
- b. Support for audio encoding format switch, default G711ulaw.

The screenshot displays the Hikvision web interface's 'Configuration' tab, specifically the 'Video/Audio' sub-tab. The left sidebar shows navigation options: Local, System, Network, Video/Audio (selected), Image, Event, and Storage. The main configuration area lists various settings for 'Camera [A1] Camera 01'. The 'Audio Encoding' dropdown menu is highlighted with a red box, showing the current selection 'G.711ulaw' and two other options: 'G.711alaw' and 'AAC'. Below this, the 'Adjust Volume' section is visible, showing a volume slider and a 'Copy to...' button. At the bottom right, there is a 'Save' button.

Setting	Value
Camera	[A1] Camera 01
Camera Resolution	HDMI 1920*1080P60
Stream Type:	Main Stream(Normal)
Video Type	Video & Audio
Resolution	Auto
Bitrate Type	Variable
Video Quality	Medium
Frame Rate	Full Frame
Max. Bitrate	4096 Kbps
Video Encoding	H.265
H.265+	OFF
Video Input	AUTO
Audio Input	AudioIn
Audio Encoding	G.711ulaw
Adjust Volume	G.711ulaw

- c. When the audio source is HDMI, you can select Audio Input as AudioIn or HDMI. The default value is HDMI. When the audio source is VCA, the system will automatically select Audio Input as AudioIn and it cannot be configured or modified.
- d. Does not support two-way audio with channel/network camera, supports two-way audio with Device.
- e. The function supports audio volume adjustment, with a range of [0, 100] and a default value of 50.

HIKVISION

Live View

Playback

Configuration

Local

System

Network

Video/Audio

Image

Event

Storage

Video/Audio

Multi-View Configuration

Target Cropping

VGA Position Adjustment

Camera

[A1] Camera 01

Camera Resolution

HDMI 1920*1080P60

Stream Type:

Main Stream(Normal)

Video Type

Video & Audio

Resolution

Auto

Bitrate Type

Variable

Video Quality

Medium

Frame Rate

Full Frame

fps

Max. Bitrate

4096

Kbps

Video Encoding

H.265

H.265+

OFF

Video Input

AUTO

Audio Input

AudioIn

Audio Encoding

G.711ulaw

Adjust Volume

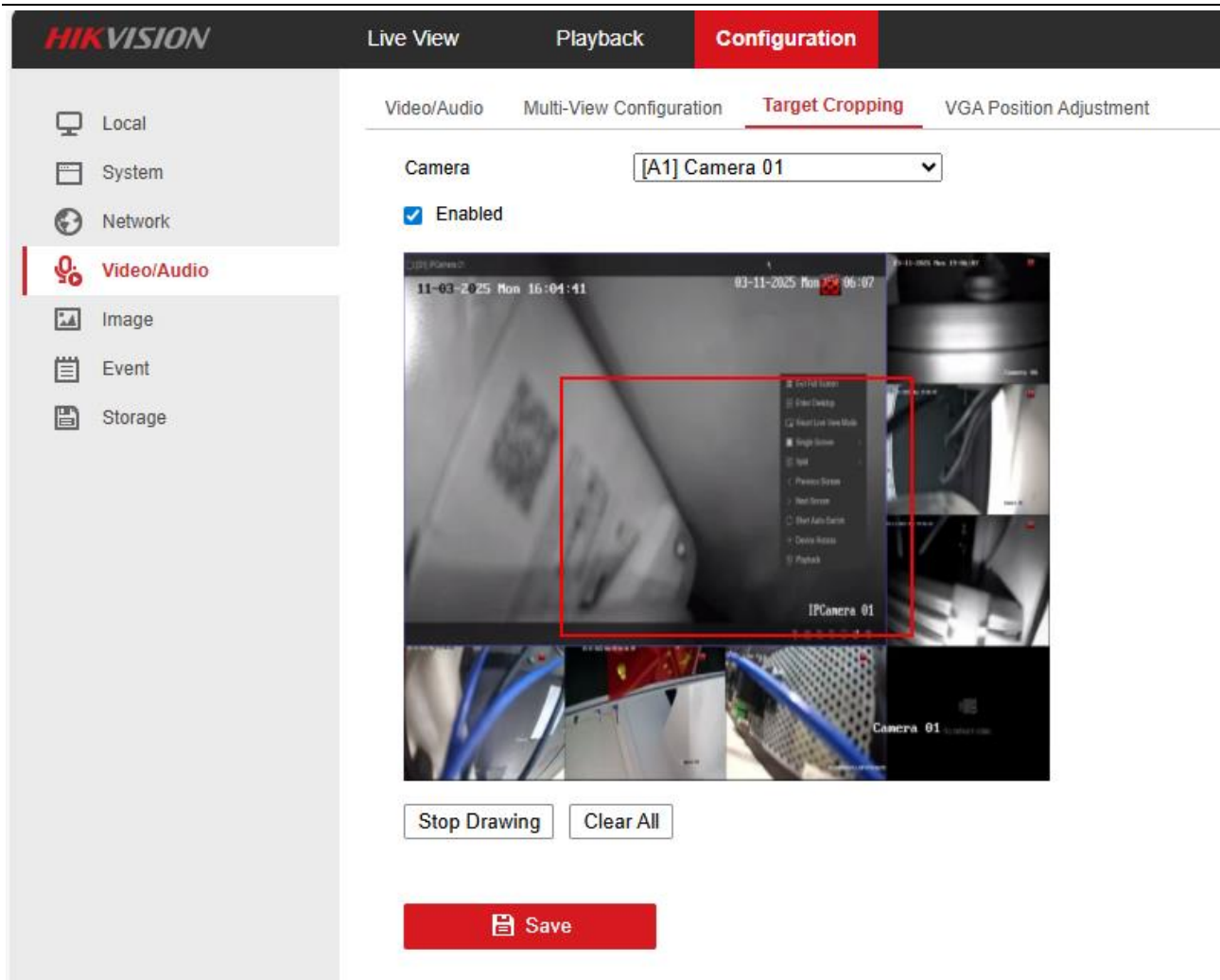
50

Copy to...

Save

8. Supports Target Cropping function

- Supports cropping the input picture of HDMI/VGA, and encoding the cropped picture according to the encoding parameter configuration.



9. New add Custom and Auto Encoding resolution type

- a. The HDMI input resolution is set to Auto by default. If the resolution of HDMI input changes, it will be automatically changed in Auto mode.
- b. The resolution of HDMI input can be manually configured by the user. In custom mode, no matter what resolution the HDMI input source provides to the main server, encoding will be conducted according to the resolution configured by the customer.
- c. If no video signal is connected, the camera will output video in 720p by default. If the configured resolution is lower than 720p, the camera will output video in the configured resolution.
- d. Custom Rule:
 - 1) The custom width and height cannot exceed the input source's resolution.
 - 2) The resolution cannot be less than the minimum requirement of 512*272. Signals with a resolution less than 512*272 (width < 512 or height < 272) cannot be connected. By default, there is no video signal.
 - 3) The number should be in multiples of 16, such as 1920.

HIKVISION

Live View

Playback

Configuration

Local

System

Network

Video/Audio

Image

Event

Storage

Video/Audio

Multi-View Configuration

Target Cropping

VGA Position Adjustment

Camera

[A1] Camera 01

Camera Resolution

HDMI 1920*1080P60

Stream Type:

Main Stream(Normal)

Video Type

Video & Audio

Resolution

Auto

Bitrate Type

1920*1080(1080P)

Video Quality

1280*720(720P)

Frame Rate

Auto

Custom

Max. Bitrate

4096

Video Encoding

H.265

H.265+

OFF

Video Input

AUTO

Audio Input

AudioIn

Audio Encoding

G.711ulaw

Adjust Volume

50

Copy to...

Save

Message

HIKVISION

Live View

Playback

Configuration

Local

System

Network

Video/Audio

Image

Event

Storage

Video/Audio

Multi-View Configuration

Target Cropping

VGA Position Adjustment

Camera

[A1] Camera 01

Camera Resolution

HDMI 1920*1080P60

Stream Type:

Main Stream(Normal)

Video Type

Video & Audio

Resolution

Custom

Custom Resolution

512

272

The height of custom resolution should be between [512, 1920], and the width between [272, 1080].
Note: The width and height of the custom resolution will be automatically aligned to multiples of 16.

Bitrate Type

Variable

Video Quality

Medium

10. Supports Multi-View onfiguration function

- Supports 2-way image composition function. By default, the image composition function is disabled, and all lanes are X. When it is disabled, no encoding is performed. After enabled, the encoding capability of HDMI and the encoding capability of image composition are both 1080P30.

b. Supports mixing audio configuration.

Default Status:

HIKVISION

Live View

Playback

Configuration

Local

System

Network

Video/Audio

Image

Event

Storage

Video/Audio

Multi-View Configuration

Target Cropping

VGA Position Adjustment

Camera

Composite

Multi-View Mode

2-View Split

1

X

2

X

Mixed Audio Channel

☐ Select All

☐ 1

☐ 2

☐ Audio In

Save

Configuration Status:

HIKVISION

Live View

Playback

Configuration

Local

System

Network

Video/Audio

Image

Event

Storage

Video/Audio

Multi-View Configuration

Target Cropping

VGA Position Adjustment

Camera

Composite

Multi-View Mode

2-View Split

1

A1

2

D1

Mixed Audio Channel

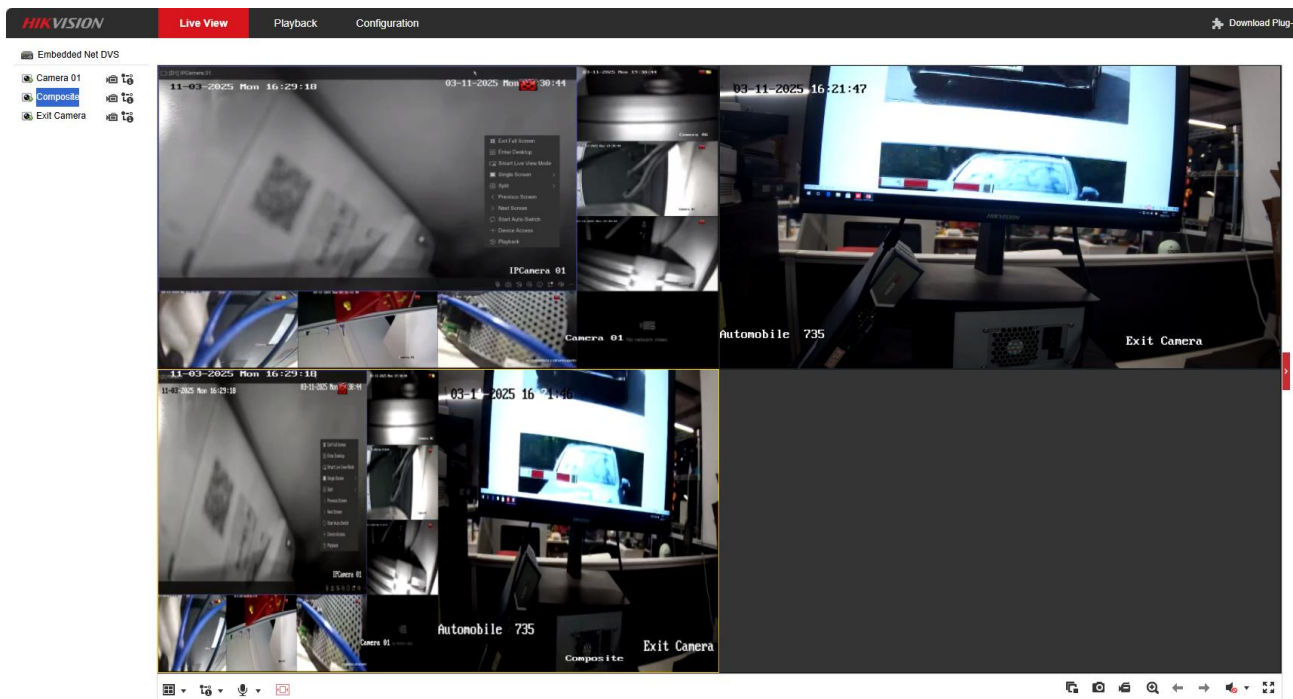
☒ Select All

☒ 1
 ☒ 2

☒ Audio In

Save

Live View:



Customer Impact and Recommended Action

This new firmware upgrade is to improve product performance, and will take effect automatically after upgrading from previous versions. We'd like to inform you of the above changes. Also, we are sorry for any possible inconvenience of use-habit changes caused by this action.

For any questions or concerns, please contact our local technical support team.

Note: Hikvision reserves the right to alter, modify, and cancel this notice. Hikvision does not give any guarantee for old model stock. Hikvision is not liable for any typing or printing errors. For specific model change details, please contact our local technical support team.

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