

## How to config the NVR support 3<sup>rd</sup> stream for Full HD live view

NVR approved version:

V4.1.70 190307 or V4.40.015\_200817

**Step 1** (Camera should support Main stream and 3<sup>rd</sup> stream Full HD, Verify the camera datasheet)

Config the Camera. Mainstream and 3<sup>rd</sup> stream

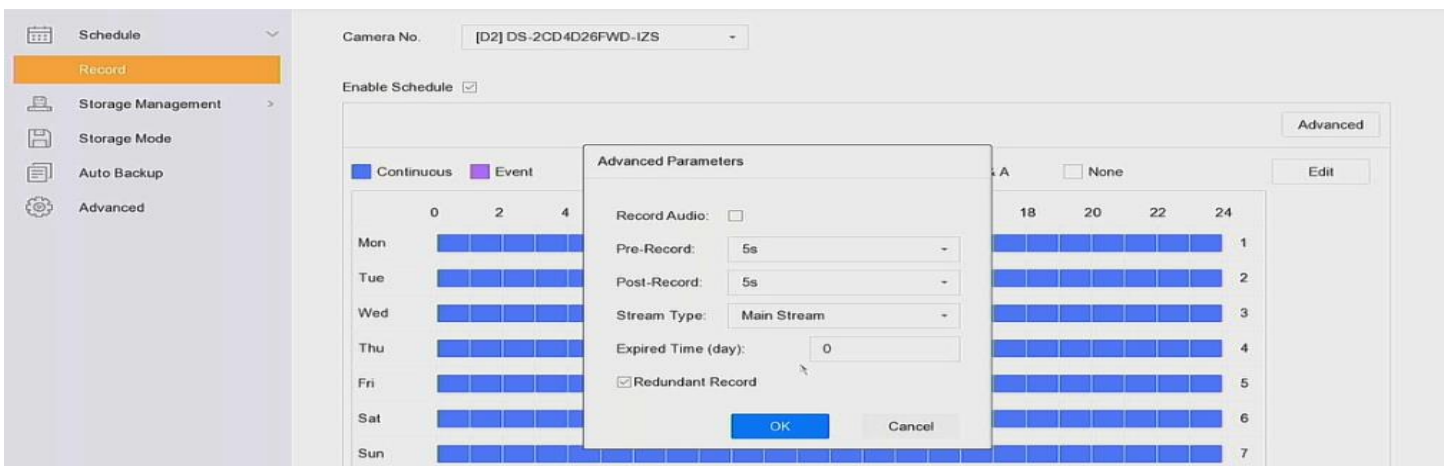
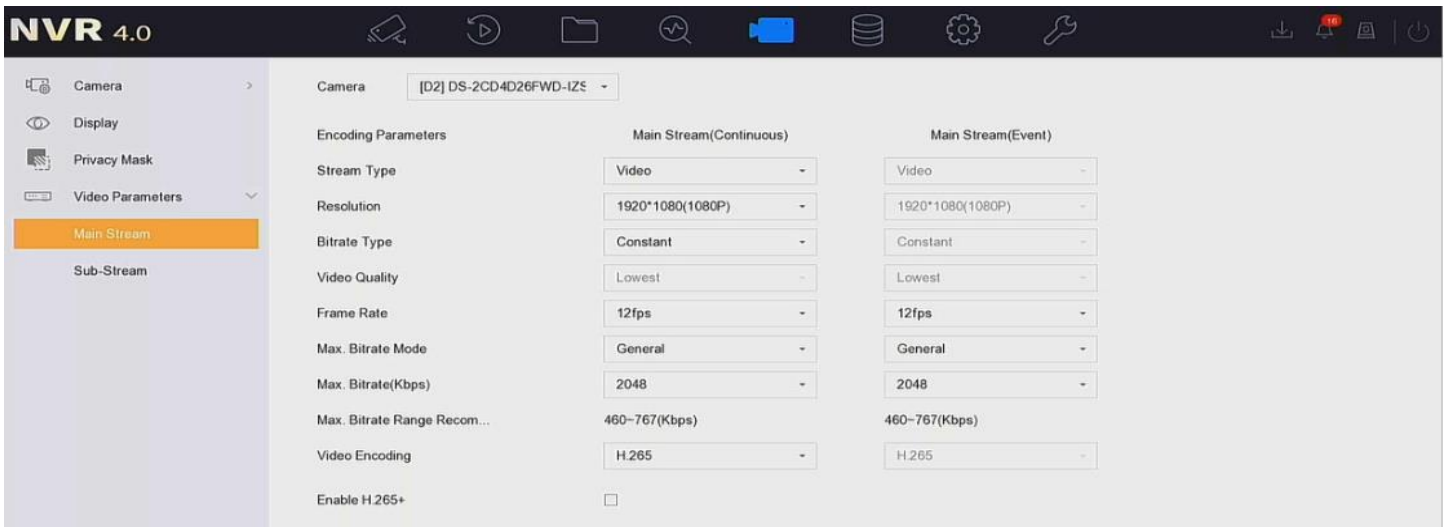
Recommend to use Mainstream for record and Sub stream for Live view

The screenshot shows the NVR Configuration GUI with the 'Configuration' tab selected. The 'Video' sub-tab is active, showing settings for a camera. The 'Stream Type' is set to 'Third Stream'. The 'Video Type' is 'Video Stream'. The 'Resolution' is '1920\*1080P'. The 'Bitrate Type' is 'Constant'. The 'Video Quality' is 'Lowest'. The 'Frame Rate' is '12' fps. The 'Max. Bitrate' is '2048' Kbps. The 'Video Encoding' is 'H.265'. The 'H.265+' is 'OFF'. The 'Profile' is 'Main Profile'. The 'I Frame Interval' is '50'. The 'Smoothing' is set to '50'. The 'Stream Type' is 'Third Stream'. The 'Video Type' is 'Video Stream'. The 'Resolution' is '1920\*1080P'. The 'Bitrate Type' is 'Variable'. The 'Video Quality' is 'Medium'. The 'Frame Rate' is '25' fps. The 'Max. Bitrate' is '3072' Kbps. The 'Video Encoding' is 'H.264'. The 'Profile' is 'Main Profile'. The 'I Frame Interval' is '50'. The 'SVC' is 'OFF'. The 'Smoothing' is set to '50'. There are 'Save' buttons at the bottom of the configuration panels.

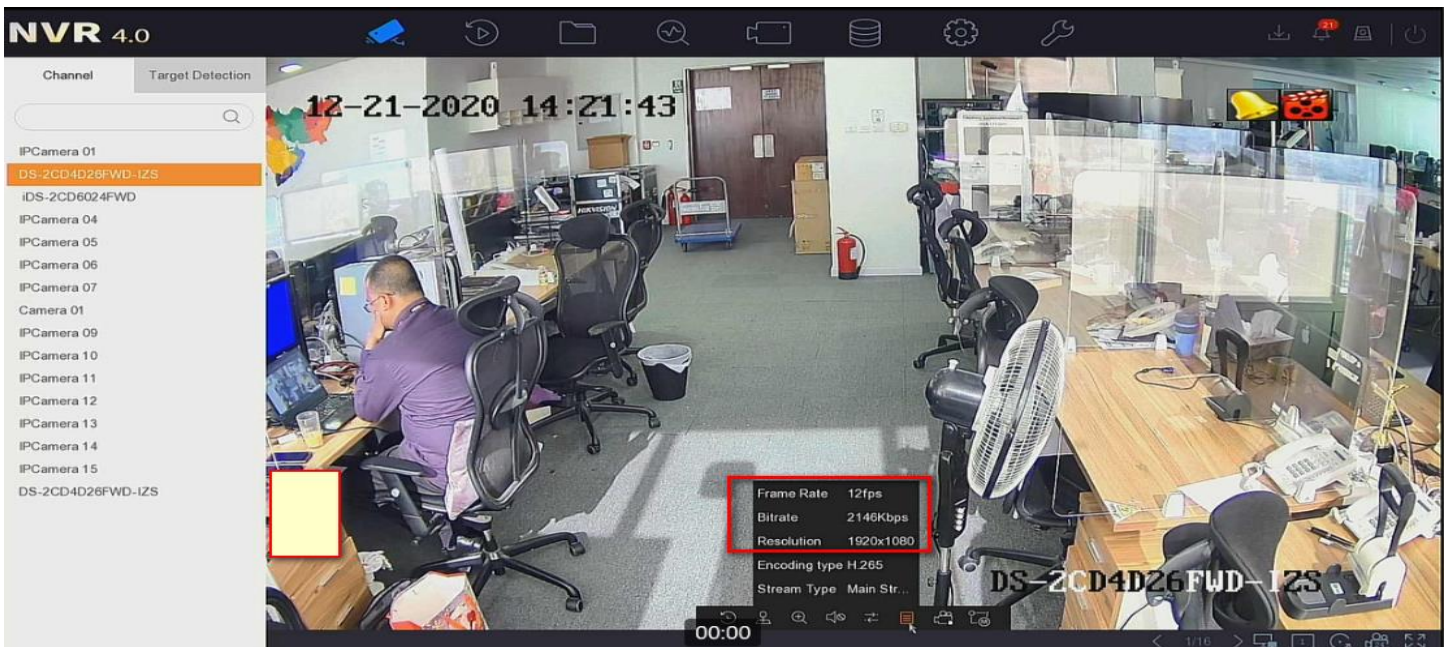
**Step 2** - Config in NVR, Only config in the Local GUI (Connect Monitor)

The screenshot shows the NVR 4.0 Local GUI. The 'Edit IP Camera' dialog box is open, showing configuration for IP Camera No. D2. The 'Adding Method' is 'Manual'. The 'IP Camera Address' is '192.168.100.164'. The 'Protocol' is 'HIKVISION'. The 'Management Port' is '8000'. The 'Channel Port' is '1'. The 'Transfer Protocol' is 'Auto'. The 'User Name' is 'admin'. The 'Password' field is empty. There are checkboxes for 'Use Channel Default...', 'Enable IP Camera T...', and 'Use Default Port'. A red box highlights the 'Verify Certificate' and 'Use Third Stream As Sub' options. A yellow callout box points to the 'Use Third Stream As Sub' checkbox with the text 'Select " Use 3rd stream as Substream "'. The background shows a grid of camera icons, some with warning symbols and error messages like 'The network is unreachable' or 'IP camera does not exist'. A '00:00' timer is visible at the bottom.

### Step 3 – Select Stream setting & record schedule



### Step 4 Can Verify by Live Screen by switching Mainstream use for recoding – Show 12 FPS



3rd stream use for Live view – Show 25 FPS



Recording can be verified

The screenshot shows the 'System Info' page in NVR 4.0. The 'Record' tab is selected. A table displays recording status for various cameras:

Camera No.	Recording Stat...	Stream Type	Frame Rate	Bitrate(Kbps)	Resolution	Record Type	Encoding Para...	Redu
D1	Used	Video & Audio	30fps	1955/4096	1920*1080(1080P)	Continuous	Continuous	Yes
D2	Used	Video	12fps	2138/2048	1920*1080(1080P)	Continuous	Event	Yes
D3	Used	Video	Full Frame	6714/6144	1920*1080(1080P)	Continuous	Continuous	Yes
D4	Not Used	Video & Audio	25fps	0/2000	Unknown Resolution	Continuous	Continuous	No
D5	Not Used	Video & Audio	Full Frame	0/2048	Unknown Resolution	Continuous	Continuous	No
D6	Not Used	Video & Audio	Full Frame	0/2048	Unknown Resolution	Continuous	Continuous	No
D7	Not Used	Video & Audio	Full Frame	0/2048	Unknown Resolution	Continuous	Continuous	No
D8	Not Used	Video	25fps	0/4096	Unknown Resolution	Continuous	Continuous	No
D9	Not Used	Video & Audio	Full Frame	0/2048	Unknown Resolution	Continuous	Continuous	No