

FREQUENTLY ASKED QUESTIONS

SATATYA NVR/HVR

What
When
Which
Where
How
Who
Why

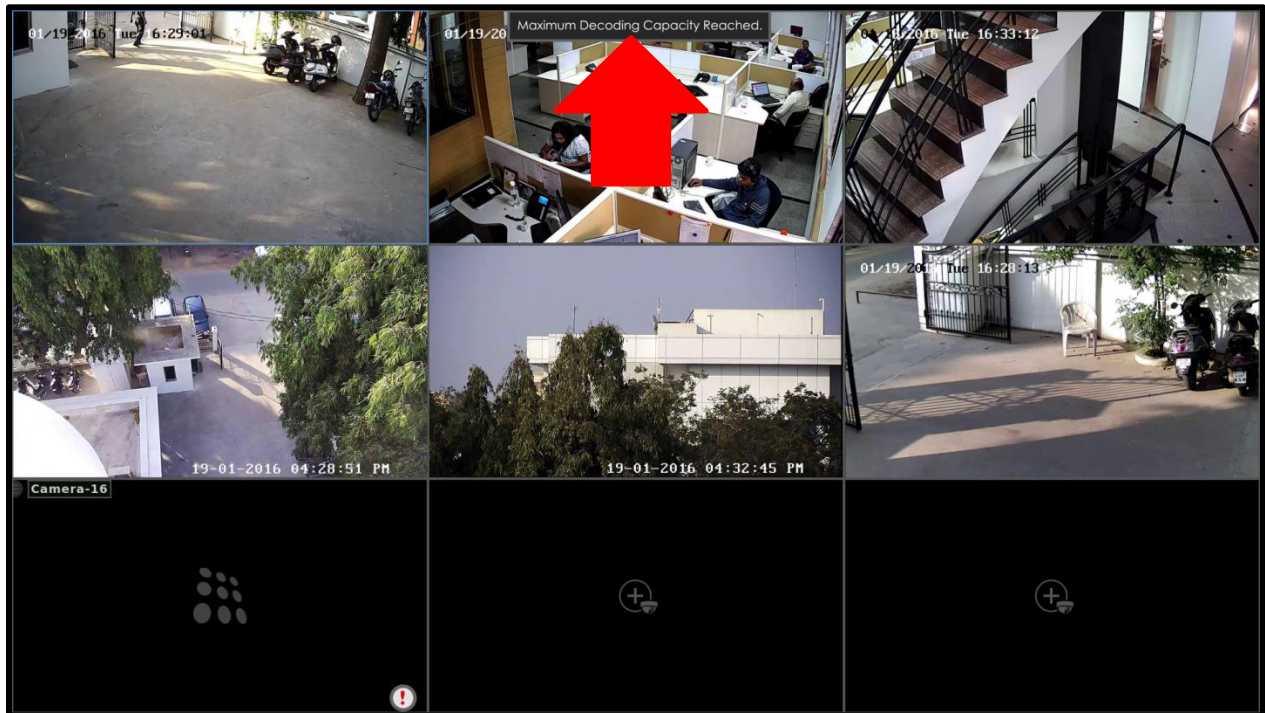


Date: 15th March, 2016

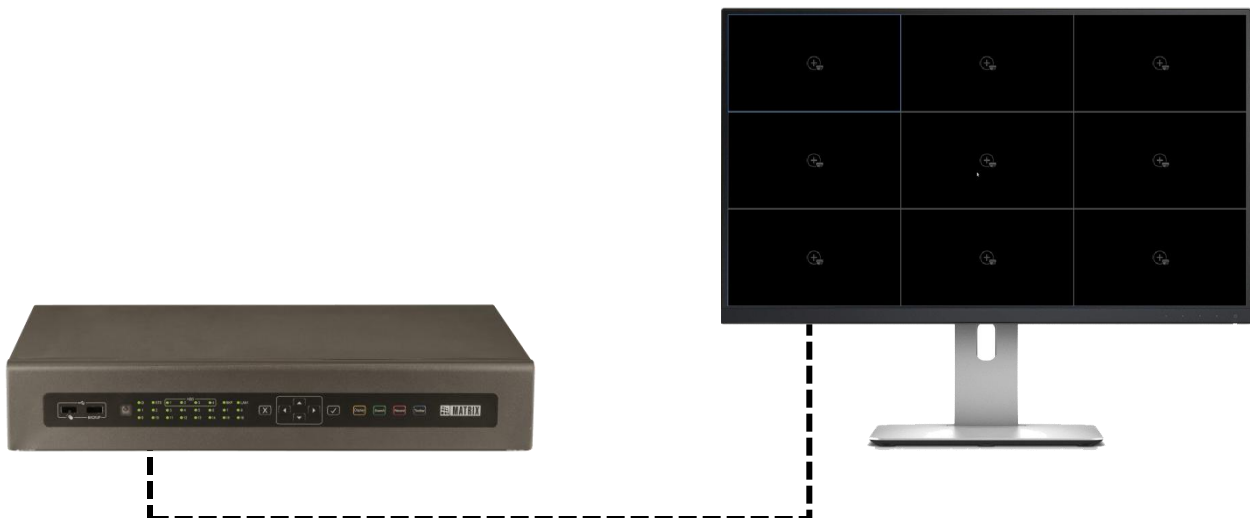
Version: V1R1

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How to solve the error 'Maximum Decoding Capacity Reached' in SATATYA Devices?



The error '**Maximum Decoding Capacity Reached**' is generally observed in SATATYA Devices when they are connected locally with a monitor using VGA/HDMI cable.



The maximum decoding capacity of the device is dependent on its SoC (System on Chip).

The table below depicts the decoding capacity of all SATATYA models of NVR and HVR when connected locally with a monitor with 2 Mbps bitrate of each IP camera:

Cameras Devices	SATATYA NVR 8S	SATATYA NVR 24P	SATATYA HVR 0408S	SATATYA HVR 0408P	SATATYA HVR 0824S	SATATYA HVR 0824P	SATATYA HVR 1624S	SATATYA HVR 1624P
IP Full HD Camera (1080p)	2	6	2	2	6	6	6	6
IP HD Camera (720p)	4	9	4	4	9	9	9	9
IP SD Camera (480p)	All	All	All	All	All	All	All	All
4 Analog and other IP	N/A	N/A	N/A	N/A	4 Full HD Cameras (1080p)	5 Full HD Cameras (1080p)	4 Full HD Cameras (1080p)	5 Full HD Cameras (1080p)
			2 HD Cameras (720p)	2 HD Cameras (720p)	9 HD Cameras (720p)	11 HD Cameras (720p)	9 HD Cameras (720p)	11 HD Cameras (720p)
			4 SD Cameras (480p)	4 SD Cameras (480p)	20 SD Cameras (480p)	20 SD Cameras (480p)	20 SD Cameras (480p)	20 SD Cameras (480p)
8 Analog and other IP	N/A	N/A	N/A	N/A	4 Full HD Cameras (1080p)	4 Full HD Cameras (1080p)	4 Full HD Cameras (1080p)	4 Full HD Cameras (1080p)
			N/A	N/A	9 HD Cameras (720p)	9 HD Cameras (720p)	9 HD Cameras (720p)	9 HD Cameras (720p)
			N/A	N/A	16 SD Cameras (480p)	16 SD Cameras (480p)	16 SD Cameras (480p)	16 SD Cameras (480p)

16 Analog and other IP	N/A	N/A	N/A	N/A	N/A	N/A	3 Full HD Cameras (1080p)	3 Full HD Cameras (1080p)
			N/A	N/A	N/A	N/A	6 HD Cameras (720p)	6 HD Cameras (720p)
			N/A	N/A	N/A	N/A	8 SD Cameras (480p)	8 SD Cameras (480p)

Consider a scenario where a user has connected 20 IP cameras with SATATYA HVR 0824P (no Analog cameras are connected).

The stream parameter of each IP camera is:

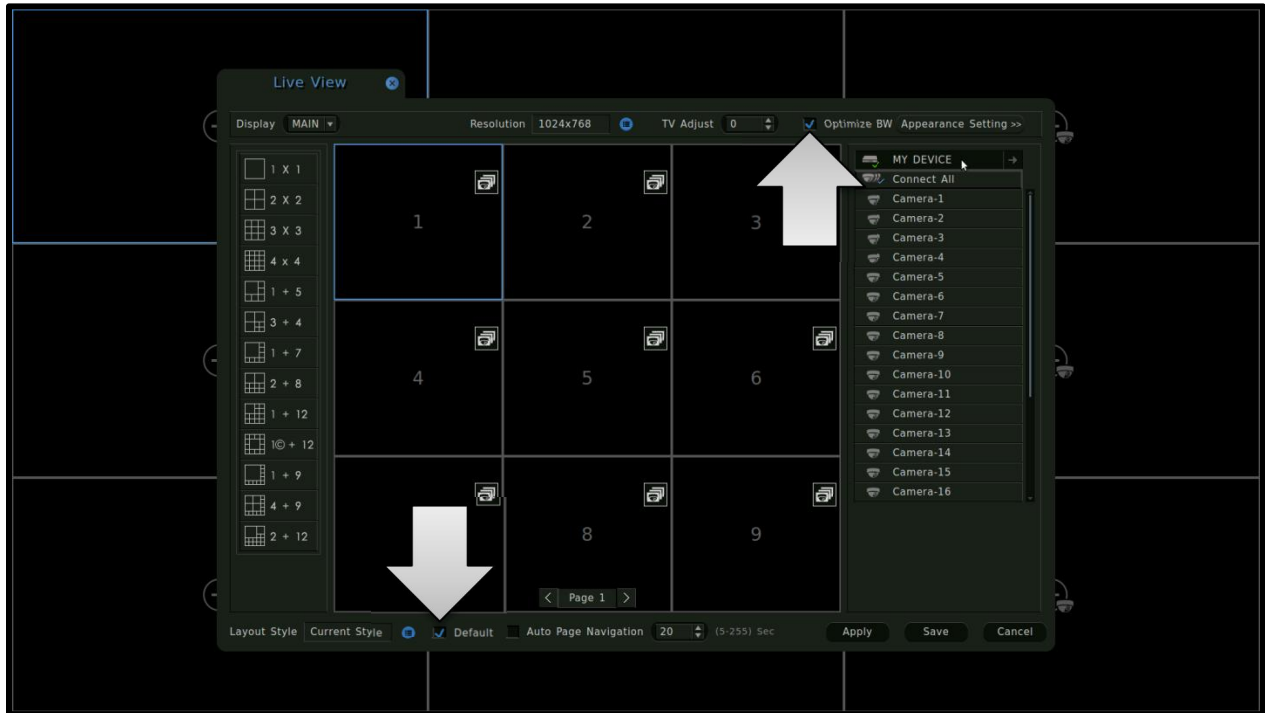
Resolution = 1920X1080p

Bitrate = 2 Mbps (recommended)

If the HVR is connected directly with a monitor using VGA/HDMI port, the user can view maximum 6 IP cameras at the same time in the layout of 3X3.

If the user tries to connect the 7th IP camera, the message 'Maximum decoding capacity reached' will be displayed.

1. To solve this error, make sure to enable 'Optimize Bandwidth' and 'Default' flags in Live View window in the monitor connected locally as shown in the figure below:



Optimize Bandwidth flag enables the switch between the Main Stream and the Sub Stream which.

Default flag saves the configuration so that it does not change when device reboots.

Let's understand this with an example.

Suppose a scenario where a SATATYA HVR 0824P (with no Analog cameras connected) is installed and the user is accessing it through local monitor. The layout of the page is select as 3X3 and the user is watching the IP cameras.

The Main Stream parameter of each IP camera is set as given:

Resolution = 1920X1080p

Bitrate = 2 Mbps

The Sub Stream parameter of each IP camera is set as given:

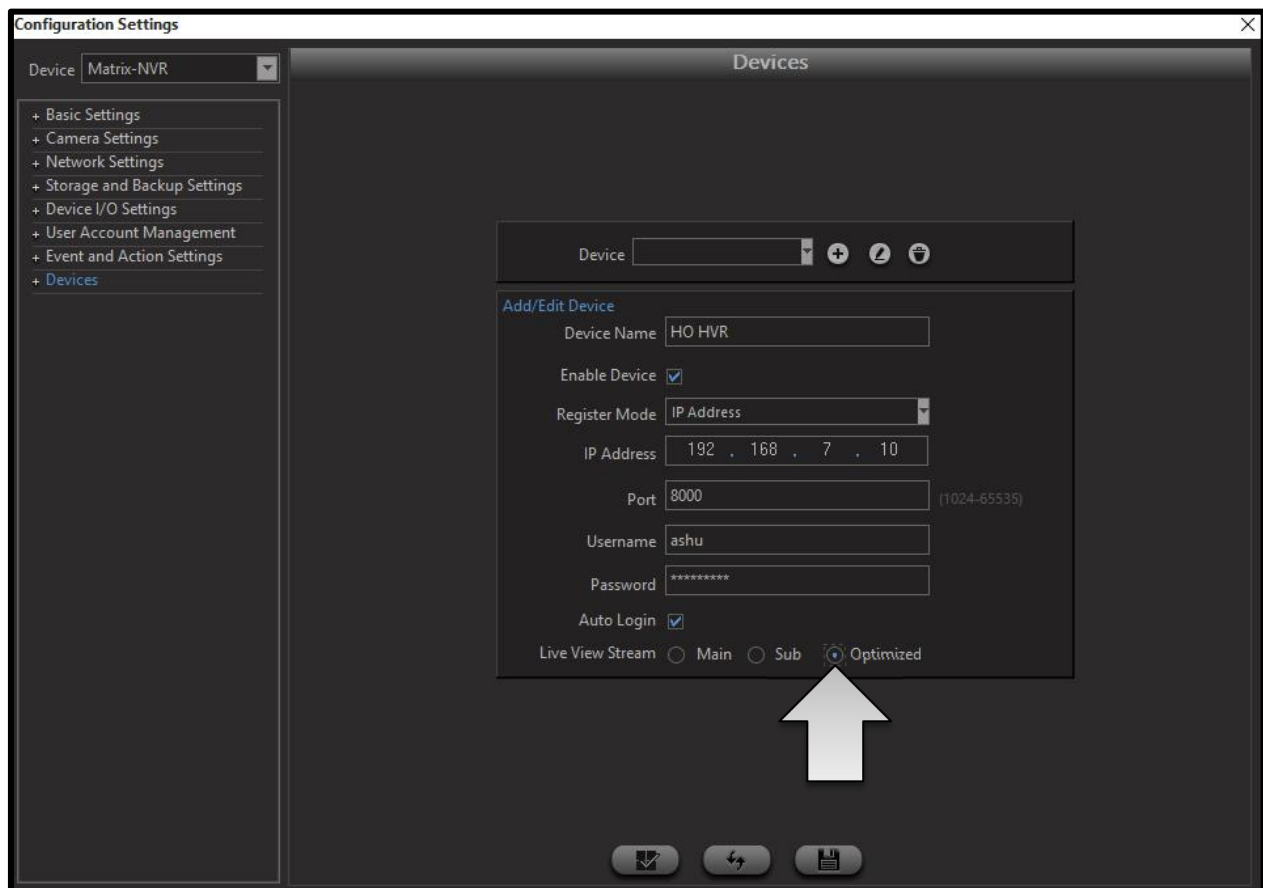
Resolution = 704X576

Bitrate = 1 Mbps

If the flag is not enabled, you can view only 6 IP cameras simultaneously in the above layout as the device fetches the Main Stream of IP cameras by default.

If the flag is enabled, you can view all 9 IP cameras simultaneously in the above layout as the device switches the stream to Sub Stream of IP cameras automatically.

2. While cascading the SATATYA Devices, make sure to select Live View Stream as 'Optimized'. The changes done from SATATYA Device Client will be reflected in monitor connected with SATATYA Device as well.



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