

Title:	Ultra HD Feature	Version:	1.0	Date:	8/17/20
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Action Required:	None, Information Only				

#### Summary

In order to accommodate the 32 MP panoramic cameras in stitched mode, a new feature called UHD (Ultra HD) has been introduced for the I Series NVRs starting with firmware v4.40.015. This feature introduces some limitations, which are discussed in this bulletin, along with the setup steps and requirements.

#### Setup

The Ultra HD feature can be enabled from the local user interface as well as a Web interface.

#### Enabling Ultra HD in the Local Interface

1. Right-click anywhere on the screen and select the Camera menu icon (Figure 1):



Figure 1, Main View



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Figure 2, Camera Menu

- 2. Select More Settings.
- 3. Select **Switch Ultra HD Resolution Mode**. After enabling the Ultra HD feature, a message will pop up prompting about the change in the number of channels and a need for a restart (Figure 5)



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Figure 3, More Settings



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Figure 4, Switch Ultra HD Resolution Mode

4. Press **Yes** and the unit will reboot.



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Figure 5, Pop-Up Message

### Enabling Ultra HD from a Web Browser

- 1. Log in to the unit.
- 2. Click on the **Configuration** tab (Figure 4).



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HIKVI	SION	Live View	Playback	Picture	Application	Configuration
Loca	al	Basic Information	Time Settings	RS-232 R	S-485 Menu Outp	out About
🗂 Syst	tem	Device Name	Demo N	IVR 1		
Sys	tem Settings	Device No.	255			
Mair	ntenance	Model	DS-963	2NI-18		
Sec	urity	Serial No.	DS-963	2NI-1816201702	220CCRF	
Can	nera Management	Firmware Version	V4.40.0	15 build 200616	6	
Use	r Management	Encoding Version	V5.0 bu	ild 200616		
Live	View Settings	Web Version	V4.0.1	ouild 200611		
Netv	work	Plugin Version	V3.0.7.3	31		
Q. Vide	eo/Audio	Number of Channe	els 30			
Imag	ge	Number of HDDs	2			
Eve	nt	Number of Alarm I	nput 44			
🖺 Stor	age	Number of Alarm (	Output 40			
G Veh	icle Detection					
SOV 63	A	🖹 Sav	ve			
🔒 Targ	get Capture					
IUT IOT	Channel Settings					

Figure 6, Configuration

- 3. Click on the **Camera Management** tab.
- 4. Click on the More Configure tab.

# **TECHNICAL BULLETIN**



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HII	VISION	Live View		Playback	Picture	Applica	tion Con	figuration				
Ţ	Local	IP Camera	More	Configure								
<u> </u>	System	IP Ca	mera				Add Modi	fy Delete	Quick Add C	ustom Protoco	I Activatio	on
	System Settings	Ch	annel No.	Camera Name	IP Address	Channel No.	Management Po	rt Security	Status	Protocol	Connect	
	Maintenance		D1	DS-2CD2023G0	10	1	8000	Strong	Online	HIKVISION	http://10	
_	Security		D2	DS-2CD2T27G1-L	10	1	8000	Strong	Online	HIKVISION	http://10	
	Camera Management		D3	DS-2CD2T25F	10	1	8001	Strong	Online	HIKVISION	http://10	
	User Management		D4	DS-2CD2T46G	10	1	8000	Strong	Online	HIKVISION	http://10	
	Live View Settings		D5	DS-2CD2T46G	10	1	8000	Strong	Online	HIKVISION	http://10	
Ð	Network		D6	DS-2DF8236I-A	10	1	8000	Strong	Online	HIKVISION	http://10	
Q.	Video/Audio		D7	DS-2DF8836IV	10	1	8000	Strong	Online	HIKVISION	http://10	
1	Image		D8	DS-2CD6924F-IS	10	1	8000	Strong	Online	HIKVISION	http://10	
m	Event		D9	DS-2CD6D24F	10.	1	8000	Strong	Online	HIKVISION	http://10	
	Storage		D10	DS-2CD6D24F	10.	2	8000	Strong	Online	HIKVISION	http://10	
6	Vahicle Detection		D11	DS-2CD6D24F	10.	3	8000	Strong	Online	HIKVISION	http://10	<u> </u>
FQ	Vehicle Detection		D12	DS-2CD6D24F	10.	4	8000	Strong	Online	HIKVISION	http://10	
(Ö	VCA								Total	30 Items <<	< 1/1 >	>>
- 44	Target Capture											
IDT	IoT Channel Settings											

Figure 7, Camera Management

- 5. Select **Open Ultra HD Resolution Mode**. After selecting it, an automated message will pop up prompting for a reboot.
- 6. Press **OK** to enable the feature and reboot the unit.



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н	<b>KVISION</b>	Live View	Playback	Picture	Application	Configuration
Ģ	Local	IP Camera	More Configure			
	System	🗌 Open u	Iltra HD resolution mode			
	System Settings					
	Maintenance					
	Security					
	Camera Management					
	User Management					
	Live View Settings					
Ð	Network					
Q.	Video/Audio					
1	Image					
圁	Event					
6	Storage					
6	Vehicle Detection					
63	VCA					
- 23	Target Capture					
IOT	IoT Channel Settings					

# Figure 8, Enabling Ultra HD

HII						
	Local System System Settings Maintenance Security Camera Management User Management Live View Settings	IP Camera	More Configure			
\$ 9 10 10 10 10 10 10 10 10 10 10 10 10 10	Video/Audio Image Event Storage				Note Switch HD resolution mode will t reboot. Continue?	×
	Vehicle Detection VCA Target Capture IoT Channel Settings				ОК	Cancel

Figure 9, Reboot Message



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## Limitations

The UHD feature is available starting with firmware v4.40.015 build 200616 on non-POE I Series NVRs. It can be enabled only on channel 1. Once enabled, there are some limitations to be mindful of. They are listed below:

- Ultra HD can be activated only on Channel 1. If activated on any other channel, you will get an error message such as "IP Camera Resolution Exceeded."
- When enabled:
  - Ultra HD reduces the number of NVR channels by four, so the 9632 becomes a 28 channel, and the 9616 becomes a 12 channel, unit
  - At the local UI, you will not get a multi-channel display, only full screen
  - The channel will not support:
    - > Transcoded stream
    - > Hik-Connect (other channels will work on Hik-Connect, but not this one)
    - > Fullframe playback
    - > Capture (including manual, scheduled, or during playback)
    - > Stream encryption
  - Will support only the default format for backup (no AVI)