

TECHNICAL BULLETIN

Until recently the Fish Eye cameras did not have a SUB STREAM, which made it difficult for the NVRs to display them in a multi view environment (often a NO RESOURCE message would come up) as well as streaming Fish Eye cameras required more bandwidth. With the most recent firmware revision v5.0.9 a sub stream has been added to some of the working modes of the camera.

The Fish Eye cameras have multiple working modes:

- With firmware prior to **v5.0.9** those are:
 - a. Real Time Mode ENABLED
 - b. Real Time Mode DISABLED
- With the latest firmware v5.0.9 those modes are:
 - a. Mode 1
 - b. Mode 2
 - c. Mode 3
 - d. Mode 4

Table 1 describes the modes of the firmware prior to v5.0.9

MODE	STREAMS	RESOLUTION (3MP)	RESOLUTION (6MP)
Real Time Enabled	1 Fish Eye Stream (main)	2048x1536	3072x2048
	4 e-PTZ Streams (main)	800x600	1024x768
Real Time Disabled	1 Fish Eye Stream (main)	1536x1536	1280x1280
	1 Panorama Stream (main)	1600x1200	2048x1536
	4 e-PTZ Streams (main)	800x600	1024x768

Table 1

To upgrade the camera to the latest firmware v5.0.9, first download the firmware from the FTP:

Then, log in to the camera and go to:

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CONFIGURATION \rightarrow **ADVANCED CONFIGURATION** \rightarrow **SYSTEM** \rightarrow **MAINTENANCE** On the bottom of the page locate the **REMOTE UPGRAGE** area, browse to the firmware file and press **UPGRADE (Figure 1)**.

	Live View	Playback Log Configuration & admin & Logout	
_	Local Configuration	Device Information Time Settings Maintenance RS232 RS485 DST Fisheye Parameters	Step
p 2	Local Configuration	Reboot	
	Basic Configuration	Pehoot Reboot the device	
	Advanced Configuration		
	System Network	Default	
03	 Video/Audio 	Restore Reset all the parameters, except the IP parameters and user information, to the default settings.	
	Image	Default Restore all parameters to default settings.	
	Security		
	Basic Event	Import Config. File	
	Storage	Config File Browse Import	
		Status	
		Export Config. File	
		Export	
		Export	
		Remote Upgrade	
		Firmware Browse Upgrade	C.
		Status	Step
		Note : The upgrading process will be 1 to 10 minutes, please don't disconnect power to the device during the process	

Figure 1

After the firmware has been upgraded, the camera will have the new additional operating modes as well as some stability improvements.

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Table 2	describes	the modes	of the v5.0.9	firmware.
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MODE	STREAMS	RESOLUTION (3MP)	RESOLUTION (6MP)
Mode 1	1 Fish Eye Stream (main)	1536x1536	2048x1536
	1 Panorama Stream (main)	1600x1200	1280x1280
	3 e-PTZ Streams (main)	800x600	1024x768
Mode 2	1 Fish Eye Stream (main)	2048x1536	3072x2048
	4 e-PTZ Stream (main)	800x600	1024x768
Mode 3	1 Fish Eye Stream (main)	1536x1536	2048x2048
	1 Fish Eye Stream (sub)	720x720	720x720
	3 e-PTZ Streams (main)	800x600	1024x768
Mode 4	1 Panorama Stream (main)	1600x1200	2048x1536
	1 Panorama Stream (sub)	704x480	704x480

Table 2

The default mode with the firmware prior to v5.0.9 is set to the NON REAL TIME mode. After upgrading the firmware to v5.0.9, the default working mode will be set to MODE 3.