

Title:	Fish Eye Camera General Information	Version:	1.0	Date:	02/05/14
Product:	DS-2CD6xx2F-I(V)				
Action Required:	None, Information Only				

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 build 141009** 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 build 141009** those are:
 - a. Real Time Mode ENABLED
 - b. Real Time Mode DISABLED

- With the latest firmware **v5.0.9 build 141009** 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 build 141009**

MODE	STREAMS	RESOLUTION (3 MP)	RESOLUTION (6 MP)
Real Time Enabled	1 Fish Eye Stream (main)	2048 x 1536	3072 x 2048
	4 e-PTZ Streams (main)	800 x 600	1024 x 768
Real Time Disabled	1 Fish Eye Stream (main)	1536 x 1536	1280 x 1280
	1 Panorama Stream (main)	1600 x 1200	2048 x 1536
	4 e-PTZ Streams (main)	800 x 600	1024 x 768

Table 1

To upgrade the camera to the latest firmware **v5.0.9 build 141009**, first download the firmware from the link below:

https://www.dropbox.com/s/sakz1slo8ouep50/DS-2CD63xxF-I%28V%29%28S%29_Firmware_v5.0.9_141009.zip?dl=0

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Then, log in to the camera and go to:

CONFIGURATION→ADVANCED CONFIGURATION→SYSTEM→MAINTENANCE

On the bottom of the page locate the **REMOTE UPGRADE** area, browse to the firmware file, and press **UPGRADE (Figure 1)**.

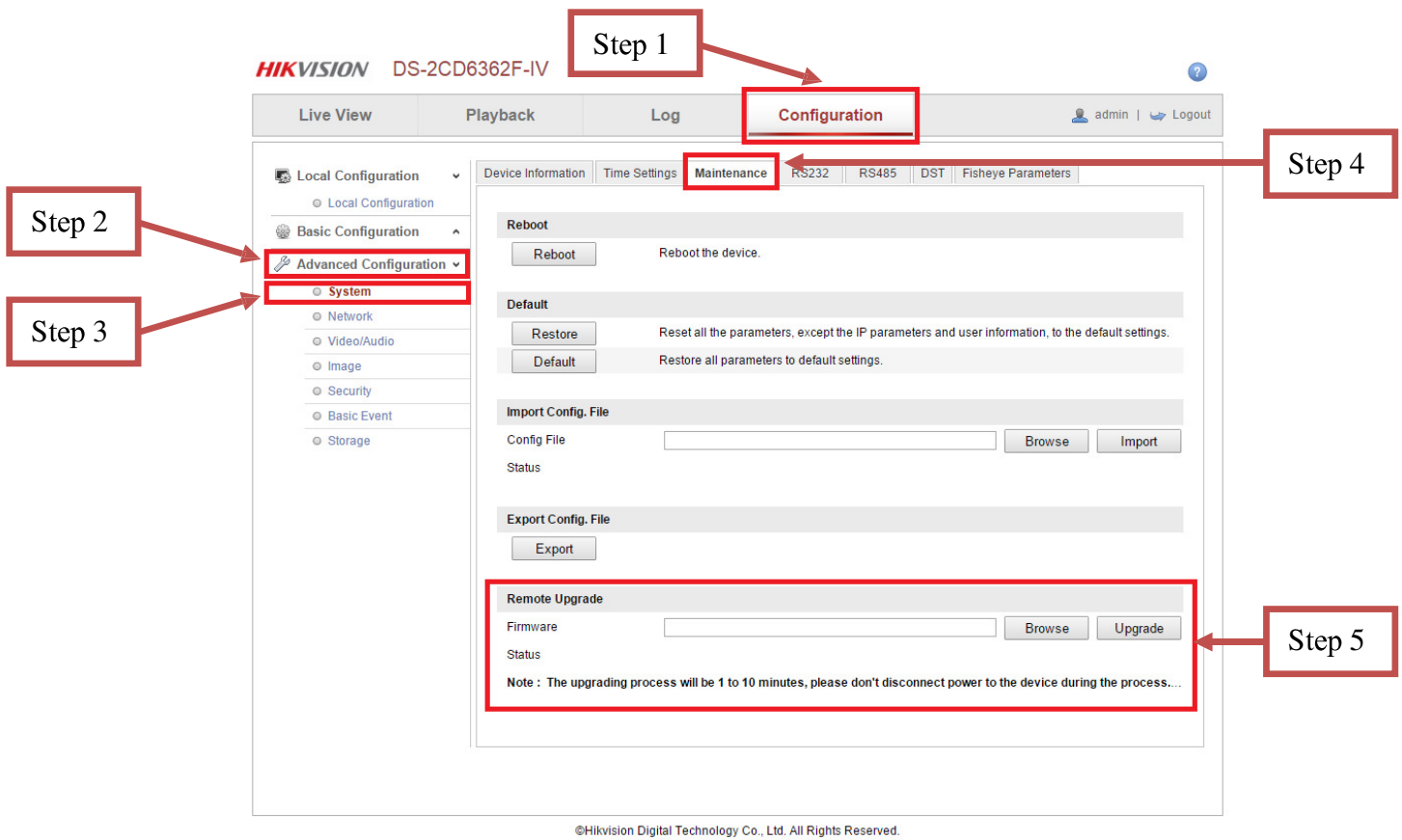


Figure 1

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 build 141009** firmware.

MODE	STREAMS	RESOLUTION (3 MP)	RESOLUTION (6 MP)
Mode 1	1 Fish Eye Stream (main)	1536 x 1536	2048 x 1536
	1 Panorama Stream (main)	1600 x 1200	1280 x 1280
	3 e-PTZ Streams (main)	800 x 600	1024 x 768
Mode 2	1 Fish Eye Stream (main)	2048 x 1536	3072 x 2048
	4 e-PTZ Stream (main)	800 x 600	1024 x 768
Mode 3	1 Fish Eye Stream (main)	1536 x 1536	2048 x 2048
	1 Fish Eye Stream (sub)	720 x 720	720 x 720
	3 e-PTZ Streams (main)	800 x 600	1024 x 768
Mode 4	1 Panorama Stream (main)	1600 x 1200	2048 x 1536
	1 Panorama Stream (sub)	704 x 480	704 x 480

Table 2

The default mode with the firmware prior to **v5.0.9 build 141009** is set to the **NON REAL TIME** mode. After upgrading the firmware to **v5.0.9 build 141009**, the default working mode will be set to **MODE 3**.