

Steps of 3DLUT Firmware Upgrade and Cube Import

Available Monitors:

ProHD DT-N17F, DT-N21F, DT-N24F

I – Prepare

1. Download the new firmware files and cube files

File list

For DT-N17F		For DT-N21F		For DT-N24F	
File name	Size	File name	Size	File name	Size
Firmware file		Firmware		Firmware	
DT-N17F_KERNEL.BIN	2,964KB	DT-N21F_KERNEL.BIN	2,964KB	DT-N24F_KERNEL.BIN	2,964KB
DT-N21F_DRIVER.BIN	2,351KB	DT-N21F_DRIVER.BIN	2,351KB	DT-N21F_DRIVER.BIN	2,351KB
Calibration Cube File		Calibration Cube File		Calibration Cube File	
3DLut.cube	135KB	3DLut.cube	135KB	3DLut.cube	135KB
3DLut_D56.cube	135KB	3DLut_D56.cube	135KB	3DLut_D56.cube	135KB
3DLut_D93.cube	135KB	3DLut_D93.cube	135KB	3DLut_D93.cube	135KB
3DLut_G22.cube	135KB	3DLut_G22.cube	135KB	3DLut_G22.cube	135KB
3DLut_G26.cube	135KB	3DLut_G26.cube	135KB	3DLut_G26.cube	135KB
Camera LOG Cube File		Camera LOG Cube File		Camera LOG Cube File	
J-log1.cube	135KB	J-log1.cube	135KB	J-log1.cube	135KB
C-log.cube	112KB	C-log.cube	112KB	C-log.cube	112KB
Log-C.cube	118KB	Log-C.cube	118KB	Log-C.cube	118KB
S-Log2.cube	115KB	S-Log2.cube	115KB	S-Log2.cube	115KB
S-Log3.cube	112KB	S-Log3.cube	112KB	S-Log3.cube	112KB
V-Log.cube	170KB	V-Log.cube	170KB	V-Log.cube	170KB
RedLogFilm.cube	110KB	RedLogFilm.cube	110KB	RedLogFilm.cube	110KB
User-Log.cube	92KB	User-Log.cube	92KB	User-Log.cube	92KB
1DLUT file		1DLUT file		1DLUT file	
1DLutUser1.csv	3KB	1DLutUser1.csv	3KB	1DLutUser1.csv	3KB
1DLutUser2.csv	3KB	1DLutUser2.csv	3KB	1DLutUser2.csv	3KB

Remark:

- 1) All the 3 models share the same DT-N21F_DRIVER.BIN
- 2) The DT-N17F and DT-N24F firmware files compatible with all SN of previous shipped monitors, while DT-N21F has two versions of firmware files for different SN. Please refer to the firmware file pack.

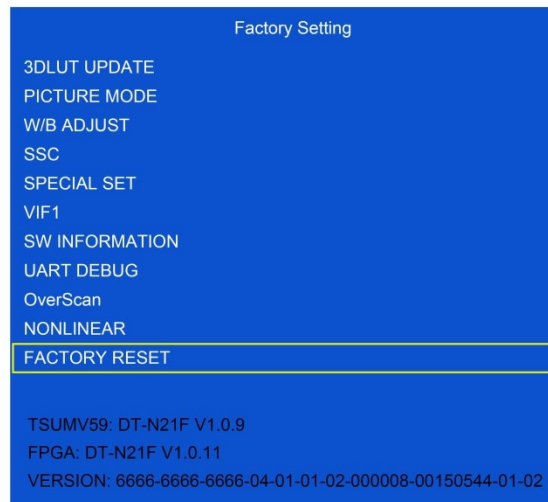
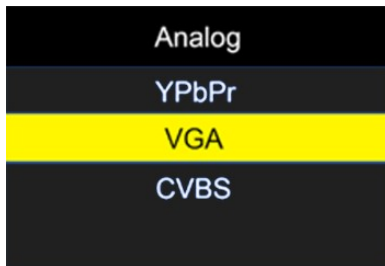
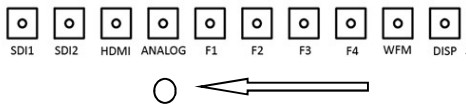
2. Copy all the files for each model to a USB stick, root directory. Please prepare different USB stick for different models.
3. Insert USB stick into the matched DT-N monitor “Firmware Upgrade” port (rear side of the monitor).
4. Connect monitor power and switch on the monitor.

II – Upgrade firmware

5. Upgrade Kernel: Enter: **Main Menu – System – Update Kernel – YES**, automatically restart to finish.
6. Upgrade Driver: Enter **Main Menu – System – Update Driver – YES**, automatically restart to finish.
(It is recommended to upgrade Kernel first, and then upgrade Driver.)

III – Factory Reset

7. Enter **Factory Menu**: Press **ANALOG**, the screen will display analog input selection menu. Under this menu, press **F4**, **F3**, **F2**, **F1** continuously, to enter Factory Menu.



8. Check and confirm the new firmware version:

DT-N17F: **TSUMV59: V1.0.8; FPGA: V1.0.12**

DT-N21F: **TSUMV59: V1.1.4; FPGA: V1.0.12**

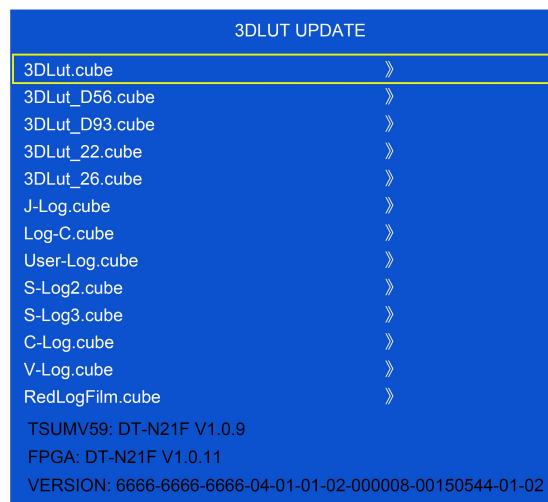
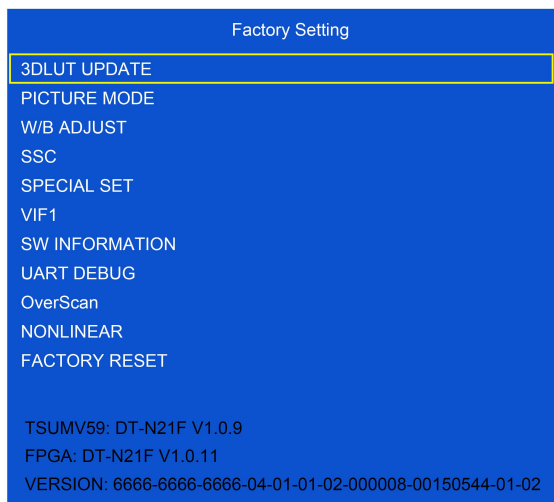
DT-N24F: **TSUMV59: V1.0.7; FPGA: V1.0.12**

9. If firmware version is correct, select **FACTORY RESET – YES**

10. Enter **Main Menu – Picture – Backlight**; adjust value to “35”

IV – Import cube file

11. Enter **Factory Menu** again (ANALOG, F4-F3-F2-F1), select and enter **3DLUT UPDATE**



12. Select “**3DLut.cube**”, press ENTER, after about 5 seconds, the screen will display Success message, which means the 3DLut.cube file is successfully imported.

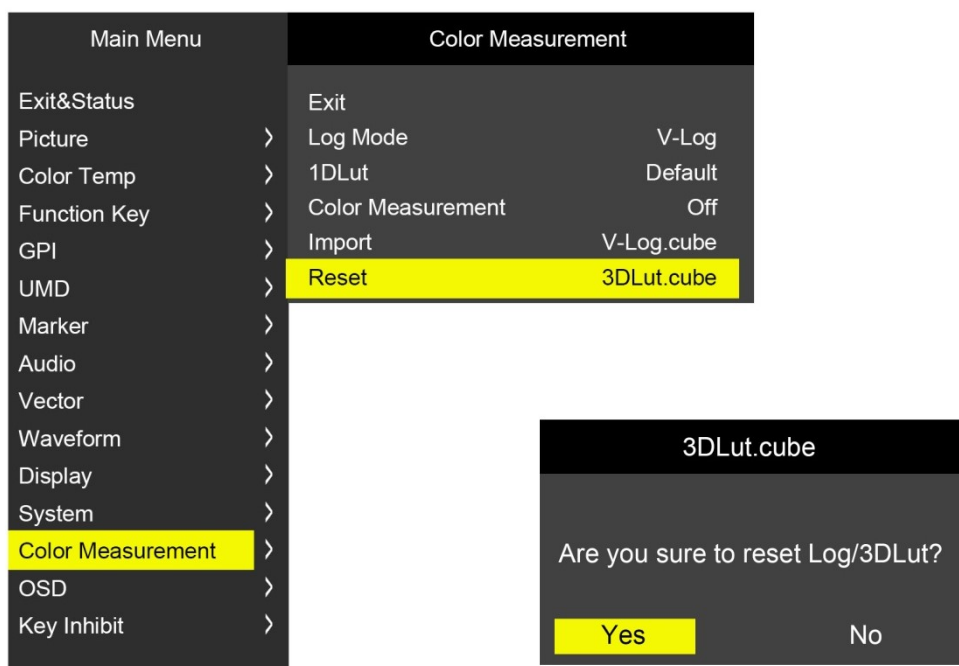


13. Continuously to import all the cube files one-by-one in this menu list, same method as above.
(Totally 5x 3DLUT calibration cubes and 8x camera log conversion cubes)

14. Press “DISPLAY” to Exit Factory Menu.

V – Reset cube file

15. Enter **Main Menu – Color Measurement – Reset**, Select “**3DLut.cube**”, press “**MENU**” to confirm. The screen will display a reset confirmation window. Select “**YES**”.



16. Continuously to Reset 8x camera log conversion cubes, by the same method as above. (Don't need to reset 3DLut_D65, 3DLut_D93, 3DLut_G22, 3DLut_G26)

VI – Import 1DLut file

17. Enter **Main Menu – Color Measurement – Import**, Select “**1DLutUser1.csv**”. The screen will display an import confirmation window.



18. Select “**YES**” to import, and after about 3 seconds, the screen will display success message.

19. Continuously to import “**1DLutUser2.csv**” at the same way.

VII – Finish

20. Press “**DISPLAY**” to exit Main Menu. All upgrade and import settings are finished.