

Appendix A

How to Load Firmware into the ADC Micro Camera

Overview

The operational characteristics of the Tetracam ADC Micro camera are largely controlled by the firmware that is stored in the camera's Non-Volatile Random Access Memory (NVRAM) and run on the camera's main processor. Periodically firmware updates will be released to camera owners in the form of a BIN file. .

The firmware updates are intended to improve existing and add new functionality, and to fix issues or bugs as they become apparent. Employ the following procedural steps to update the firmware on the ADC Micro. These instructions should be followed exactly. Applying these steps improperly can disable the camera requiring it to be returned to the factory for service.

Unlike the procedures required for loading firmware updates to other Tetracam systems, the file that is transferred to the ADC Micro may be either an earlier or a later version and does not need to be manually deleted from the SD card by the user after the transfer is completed. Once loaded, the firmware BIN file is automatically deleted from the SD card by the camera's processor.

CAUTION

Do not interrupt transfer of the firmware
BIN File while its transfer is in progress!

Step-by-Step Firmware Updating Procedure

To Load Firmware Updates to the ADC Micro, perform the following steps:

1. Power the camera off and remove the SD Card from the ADC Micro camera.
2. Insert the SD Card into your computer's SD Card Reader or into the computer's USB interface via the SD-to-USB adapter that is shipped with the camera. Copy the firmware BIN file provided by Tetracam Engineering to the root folder of the SD card.
3. Making sure that the camera is powered off, re-insert the SD card with its new firmware BIN file into the camera.
4. Re-connect the camera to a reliable power source, preferably the power supply that shipped with the camera. While the camera is initializing, the firmware BIN file will be transferred to the NVRAM inside the camera. A message will be shown on the Video out display indicating that firmware loading is in progress. Make sure the transfer process is not interrupted during the file transfer.
5. At the conclusion of loading the firmware to the NVRAM, the BIN file on the SD card will be automatically deleted. When this process is completed, Video out will change to the viewfinder display and the Busy LED will turn green.