



Field Calibration F6 Family | Camera Add-on

5MP Addon Camera



SENSOR:

Sensor type: CMOS Color
Pixels: 5Mpixels
Resolution: (H x V) 2456 x 2054 Pixels
Color depth: 12 bit
Optical sensor class: 2/3"
Manufacturer: Sony

LENS:

8mm Fixed Lens
HFOV: 57.80°



Installing the Camera Add-on on the F6

Install the 5MP camera
Follow this link to see the video:
<https://youtu.be/uGSqVsXcScc>



Calibrating the F6+Addon Camera - Prerequisites

1. Download and install Echo beta application from the following link
<https://drive.google.com/open?id=1e2ghW6OwoP5Jwp7DaMM7P6x72fY2Yn04>
2. Inside the camera addon package, you will find a disk on key with a colorRig.txt file on it.
3. Copy the colorRig.txt file from the disk on key and replace the original colorRig.txt file provided with the scanner.
4. Now you have an “updated” calibration files to be used for the field calibration.
5. Connect the scanner to the computer and turn it on.
6. Open the Echo Beta application, go to Scan mode and load the “updated” calibration files.

Calibrating the F6 Scanner

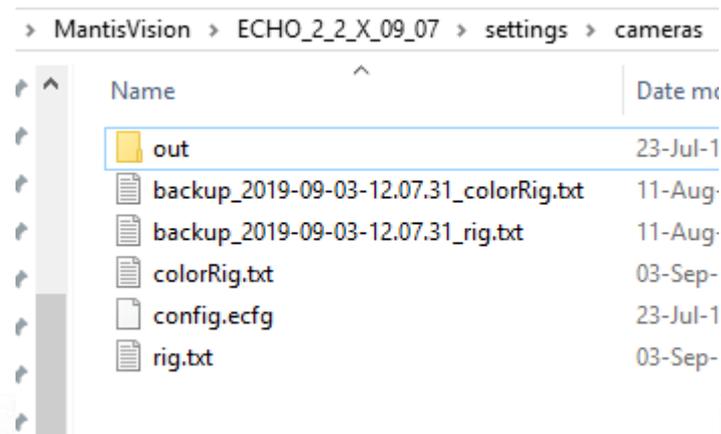
1. Download and print the calibration pattern from this link
<https://drive.google.com/open?id=12nMwomCeBHs-vFE4optewKSsKYNskiia>
2. Follow the field calibration instructions as described in the following link
https://www.youtube.com/watch?time_continue=170&v=CXpgg5PAoLY

Calibrating the F6 Scanner

At the end of the calibration process, a new calibration files will be kept under C:\MantisVision\ECHO_2_3_X\settings\cameras, including a backup of the previous calibration files.

1. Copy paste the new calibration files into a new folder and use it with the Echo release version

- colorRig.txt
- rig.txt
- Config.ecfg



2. Uninstall Echo Beta application