COHERENT.
Service Department

FIELD SERVICE BULLETIN

DATE ISSUED: **10/9/09**   **NUMBER: 587**

TITLE

Chameleon Vision Software Release_V8.11

PRODUCT   All Chameleon Vision

PURPOSE   Software Upgrade

DESCRIPTION

Release of Vision software to fix a number of early release issues including the re-calibration procedure. This version brings the re-calibration procedure into line with the standard Chameleon Ultra method, as detailed in the service manual.

ACTION

This software upgrade should be performed on an "As Required" basis and as standard at the next service visit on every Chameleon Vision with software version < 8.11.

Upgrade Procedure

Follow the software upgrade procedure as outlined in SVC-CHAM-5.4 Rev A (or later) using the Bootloader PC program to upload the new Chameleon software to the Chameleon Head and Verdi Interface boards using RS-232. Use Chameleon PC version 1.14 (or later) to view, save, or restore, the EEPROM contents. Older versions of Chameleon PC are unable to read the EEPROM data structure supported by Chameleon software version 7.91 and later.

To upgrade the software, first save a copy of the Verdi and Chameleon EEPROM contents.

If using the current Bootloader (version2), there is no need to use the dongle cable (1150286). If using an older version of Bootloader, the dongle cable is required and it is also necessary to remove the daughter card from the Chameleon Headboard prior to upgrading the Head software.

After the software upgrade:
1. Power cycle
2. Switch laser on and wait for a few minutes. If not lasing, use the Initialise function.
3. Once lasing is found, start a tuning cycle as outlined in the Wavelength Calibration section of the service manual SVC-CHAM-5.13 Rev B (or later)

After the software upgrade, the Chameleon EEPROM data file should be verified using the Chameleon PC program, and reloaded only if necessary.

The following files are required for this upgrade:

Head_v8_11
Interface_v8_11

The following files are distributed with this FSB:

Head_v8_11.zip
Interface_v8_11.zip
Chameleon_Head_bootloader_v2
Chameleon_Interface_bootloader_v2

PARTS

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