

## Hasselblad A/S July 11th, 2011

### Firmware version R500

This package contains firmware version R500.CIM for the H4D-60 sensor unit.  
Version R500 is a replacement firmware for R361 introducing many new features and performance improvements for the H4D-60 camera.

#### Changes since version R500:

New features:

- Rear LCD updated to full resolution
- One click 100% instant focus check
- Camera grip info on rear LCD
- Two directional electronic spirit level
- Live Video (requires Phocus 2.6.3 or later)
- Support for Rollei & Schneider electronic shutter systems

Fixes:

- Power down not working properly bug fixed
- Correct white balance tag embedded in file (daylight, tungsten etc.)
- User interface and stability optimization

**Note:** These new features require H4D camera body firmware version 2.2.4 and viewfinder firmware version 2.2.0.

Please consult the updated H4D manual on functionality of all new features.

(For a historical list of firmware changes, please see the change log at the bottom of this document.)

### Installation

Manual updating of firmware is available in the Phocus software, from version 2.5.5 Mac and 2.5.5 Windows.

#### Procedures for updating capture unit firmware via the Phocus software:

1. Unzip the downloaded file.
2. Make sure your camera is turned on.
3. Connect your complete camera, including the capture unit, lens and viewfinder to Phocus using a POWERED Firewire cable.
3. Go to "File" and then "Update Firmware" and locate the desired firmware package (.cim) on your computer, and click "Update".
4. Follow the instructions provided from the software carefully! Do not switch off the camera during the update process, unless specifically requested by the Phocus software.
5. When the update has been finalized, please restart your camera and check that the firmware has been successfully updated.

**IMPORTANT NOTICE:** During the upgrade procedure do NOT disconnect the firewire cable until prompted!  
Unintentionally removing the Firewire cable during the firmware download procedure could in worst case render the camera useless which would require the need for authorized service.

#### **Change Log:**

##### Changes since version R354:

- Flash sync support for use with manual shutters and technical cameras
- Support for Sandisk Extreme Pro 128GB CF card
- Improved initial hardware preview on back display as well as in Phocus
- Improved capture speed performance both tethered and untethered
- Stability improvements

##### Changes since version R351:

- An error in the burst sequence with long exp. (+ 1/2 sec.) has been fixed
- A potential error in the Zoom sequence with more than two images has been fixed
- A critical and potential error in the startup sequence which could lead to a corrupted pixel line in the image has been fixed
- A problem with color difference in images in burst mode has been fixed
- An important modification in the firewire protocol has been implemented to improve stability

##### Changes since version R350:

- Support for GIL sensor (GPS unit) implemented
- Increased internal processing speed
- Various fixes and improvements

##### **R350:**

- First production release for H4D-60

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