HASSELBLAD

User Manual Supplement

H3D-II

V6

H3D�II

Introduction

One of the great strengths of the H-system of cameras is its continual development. This is one of the keys to retaining the system's forefront position in the world of digital medium format photography. Normally, upgrades are to the firmware but this time there is an even larger leap forward with the introduction of hardware improvements too.

This supplement explains the new features that the H3D-II has compared to the H3D model. The information therefore replaces the relevant sections in the present updated version of the user manual for the H3D. However, you should still occasionally check the Hasselblad website for updates as this is the most rapid and effective way there is of ensuring that your H3D-II provides the optimum in performance.

Contents

New sensor unit user interface

This latest change provides a completely different user interface for the sensor unit. The display screen is now much larger than its predecessor. Although there is also a change in the user buttons, the functions remain the same. It therefore follows that although the step-by-step instructions in the present user manuals are correct for the various procedures, they show another layout of buttons.

Here you will find an illustration from the present user manual showing the sensor unit display together with explanatory button function descriptions. Compare this information with the illustration from the new H3D-ll.

Zoom in/out buttons

Approval button

Navigation button

Menu button

View Mode button
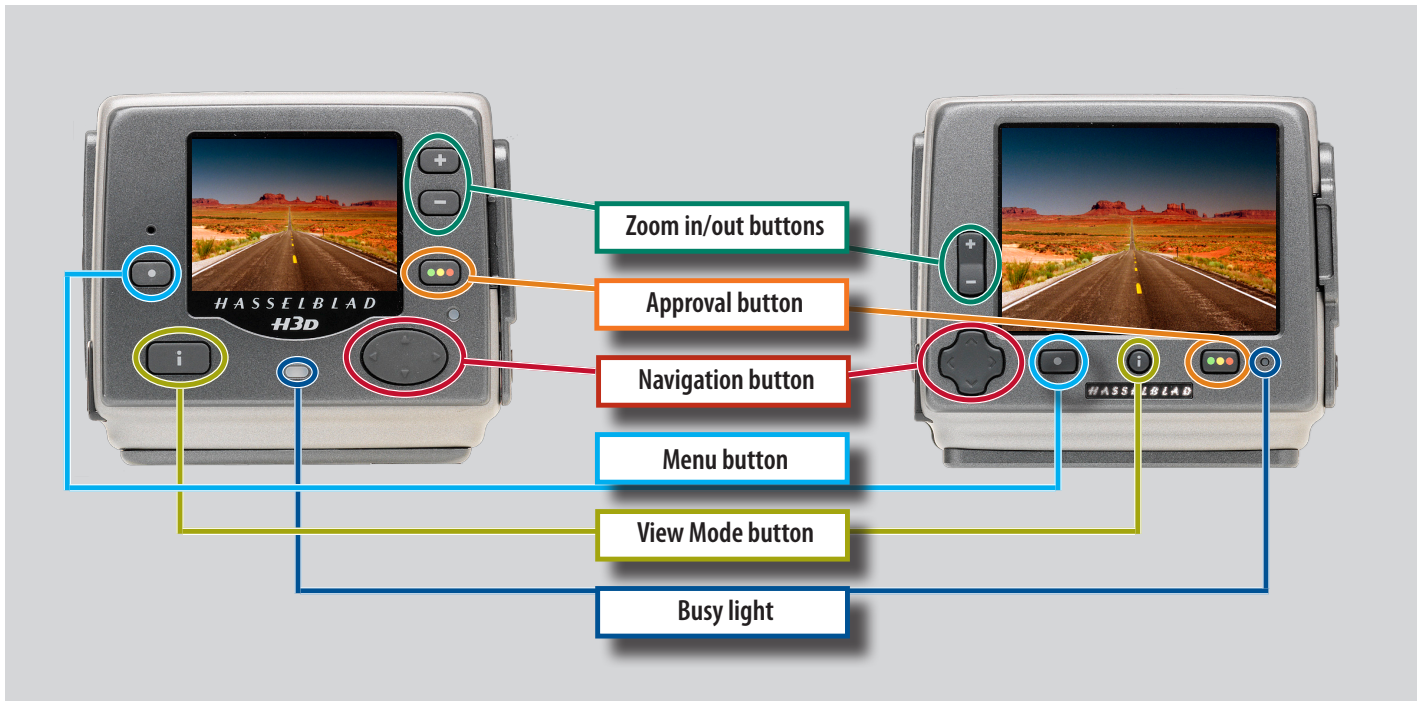
Busy light

The **View-mode**, **Menu** and **Approve** buttons as well as Busy light are self-explanatory. The navigation button though is now a new design for ease of use. Also, the Zoom-in and Zoom-out buttons have been replaced with a combined Zoom-in/Zoom-out rocker switch for more rapid action.

So, to clarify, it is basically the appearance and position of the buttons that have changed regarding the illustrations in the user manuals - the functions remain the same.

New button designations and functions on grip

There are new descriptions and icons surrounding the LED on the grip signifying the new changes which are:

- **ISO/WB** now replaces the previous **DRIVE** designation.
- **Illumination/Battery status** now replaces the previous function of illumination only.

3
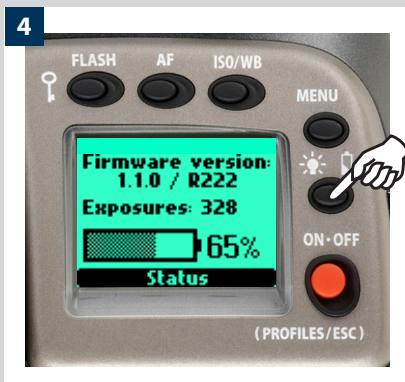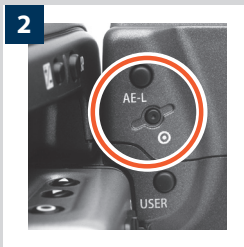
Faster sensor-unit menu navigation 1

You can now navigate the menu on the sensor unit by turning the control wheels on the camera grip. The rear control wheel navigates up and down the menu list and the front control wheel navigates sideways in the direction of the menu arrows. The rear control wheel also functions in the same as way as the plus and minus button functions for settings choice.

In addition, the **FLASH** button on the grip acts as a menu **EXIT** button and the **ISO /WB** button acts as an **OK** button (and are displayed as such on the grip LCD) for immediate return to the standard screen on the camera display.

Film-rewind button – reassignment 2

The film-rewind button is automatically reassigned to provide instant CF-card re-format. Please note there is no danger of unintentionally re-formating the card as this particular button is purposely recessed to avoid such occurrences. In addition, when the button is pressed, a dialog screen appears in the same manner as it would when using the normal method in the menu. And, as normal, this dialog must be confirmed by you before re-formatting can take place.

Busy light 3

There is now only one busy light on the sensor unit. Green signifies the sensor unit is active, flashing green signifies the last capture is being processed to the card (another capture can be made, however), flashing yellow signifies the last capture is being processed to the card (another capture cannot be made), red signifies that a problem has occurred (an explanatory message will be displayed).

Faster lens adjustments

Aperture, shutter speed and focus settings can now be changed even though the busy light on the sensor unit is flashing green after a capture.

Battery status 4

An immediate full-screen informational battery status check now appears on the grip LCD by holding down the illumination/battery status button. This screen displays:

• *the firmware version*

• *the number of exposures taken since the last battery recharge / change.*

• *a battery status icon that provides a quick visual check as well as a figure estimate in percent.*

✎ *Please note that the battery status icon is only available when the rechargeable Li-ion battery grip is fitted.*

The information regarding the number of exposures taken is intended to help you make an estimate of the number of possible remaining exposures according to your way of working. For example, if you regularly browse a great deal when shooting or you leave the camera in ON-mode with no standby, you would naturally expect to drain the battery sooner than others who don't. You should soon be able to build up a picture of how you usually work and can therefore estimate that after X number of exposures, you normally expect to be able to take Y exposures before the battery is exhausted (when working in a similar manner in similar conditions).

The percentage information, however, provides another kind of estimate based more on the amount of power left in the battery rather than on your normal way of working.

Remember that these are only estimates and that there are a number of factors affecting remaining battery, ambient temperature for example, as well as general practice.

Battery warning on camera grip 5

The 'Low battery' warning has been replaced with a new 'Replace battery' warning for the H3D-ll.

CAM

Camera battery warning

DISK

ImageBank-II battery warning
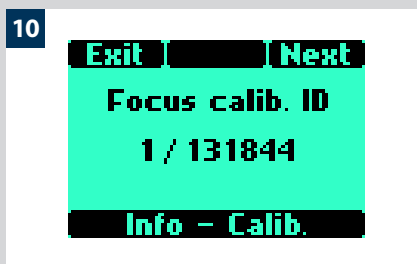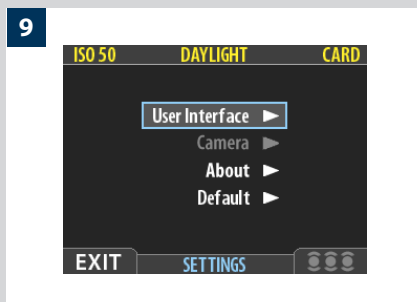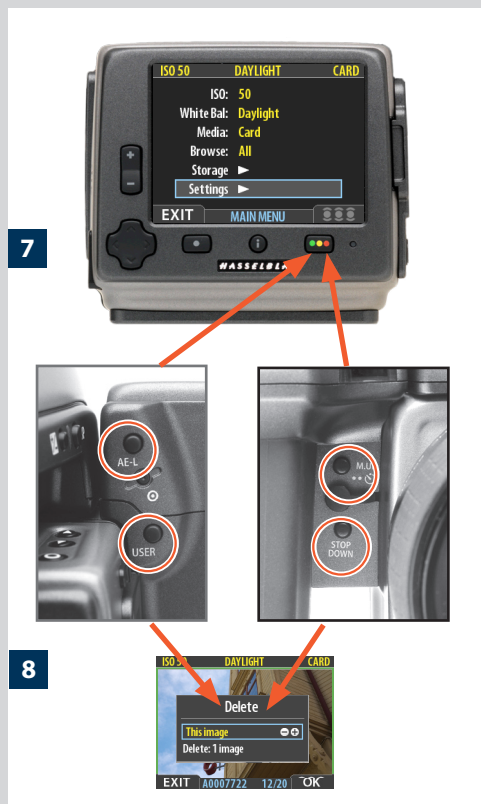
Battery warning on sensor unit 6

When the remaining power in the battery drops below a certain point, a warning icon appears on the sensor unit display screen as well as on the grip LCD. In addition, an audible signal can be heard. The warning on the display screen appears as a flashing yellow icon in the top right of the screen signifying that the battery should be charged (or changed) as soon as possible. The warning icon will also appear with a FireWire connection and will in addition turn red to signify that the camera battery is completely exhausted.

Another battery warning also appears signifying ImageBank-11 battery exhaustion. This icon appears on the top left of the display screen. It too flashes yellow as the initial warning and changes to red to signify complete exhaustion.

IAA toggle 7

Any of the **USER**, **AE-L**, **STOP DOWN** and **M.UP** buttons on the camera can now be reassigned to function as an **IAA** button (Instant Approval Architecture) on the sensor unit. The reassigned button can then be toggled to classify new captures in the normal manner as when pressing the **IAA** button.

Delete last image 8

The 'Delete last image' has now been implemented to the customizable button function list. Consequently by just pressing the **USER**, **AE-L**, **STOP DOWN** or **M.UP** button, you are now able to immediately delete the last image. Please note that for this action to be carried out, there should be no intervening action taken. So, for example, if you zoom in to check the image you cannot then delete it using this particular feature but must use the regular procedure on the sensor unit.

Standby mode

It is now possible to turn the camera off directly from Standby mode.

On / Off

The amount of time that the **ON-OFF** button must be depressed before turning the camera on has been increased from 500 ms to 750 ms to avoid unintentional battery drain (inadvertently pressed in a camera bag, for example).

Camera 9

The 'Camera' choice on the menu is now greyed out with the normal H3D-ll body/sensor unit combination. It is active again when the sensor unit is attached to another type of camera.

System Info 10

The "System info" section of the menu has an additional information screen that displays the Ultra Focus calibration ID.

A matching ID can also be found in the sensor unit menu for optimum performance.
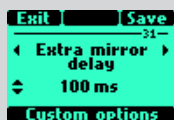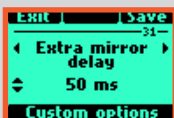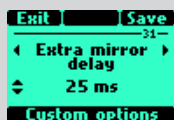
Improved audio feedback 11

There are now 14 different sounds to help provide immediate information. Button press has a normal mechanical 'click' sound while the remaining are more musical They are as follows:

Extra mirror-delay 12

A new Custom Option (#31) has been added to lessen some camera shake problems common with longer hand-held exposures leading to a loss of sharpness. The normal remedy of using a tripod or support and manually raising the mirror is not always suitable however.

To counteract this situation, you can now increase the delay time between the mirror settling into its raised position and the opening of the shutter. Although the time period here is in milliseconds, tests have shown a marked improvement in many cases. Consequently, slower shutter speeds can be considered (whether hand-held or on a tripod/support) than would normally be advised while still retaining sharpness normally only obtainable with faster shutter speeds.

There are a number of factors — shutter speed/sturdiness of tripod or support/focal length of lens — to take into account when determining the ideal setting. 50 milliseconds is suggested as a good starting point for experimentation and is the default setting.

Custom option #31

Default setting

50 ms

'Extra mirror delay' is activated either by loading the 'Standard' profile or making a manual change in Custom Option #31.

The factory default settings list now includes a 50 ms extra mirror delay.

Profiles

ISO, white balance, as well as color temperature and color tint are now also stored in the camera profiles. So, when creating a new profile, be aware of which settings you have made regarding ISO and white balance when saving. (Color tint although not a user setting, is invisibly stored anyway after a manual white balance has been made and in accordance with the prevailing light conditions at that time).
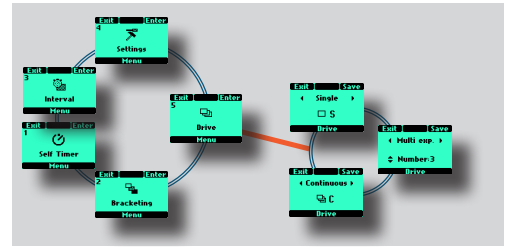
Film magazine compatibility

The H3D is not compatible with the HM 16-32 film magazine or the HMi 100 polaroid back. All references to such in this manual therefore do not apply.

Drive setting moved

Drive settings are now made by accessing the new position on the menu, replacing the original #5 **Digital** screen.

The initial choice now is

1. Self timer
2. Bracketing
3. Interval
4. Settings
5. Drive

*Change the **Drive** settings as follows:*

a) *Press the **MENU** button on the grip.*

b) *Turn the front control wheel until **DRIVE** appears.*

c) *Press **Enter** (**ISO / WB** button) on the grip.*

d) *Turn the front control wheel to choose between **Single** or **Continuous**.*

e) *Press **Save** (**ISO / WB** button).*

ISO & White Balance button

The newly designated **ISO/WB** button provides immediate access to ISO and White Balance settings. The front and rear control wheels are used to make the desired changes. The settings are automatically and simultaneously transferred from the camera to the sensor unit. Please note that the changes are only displayed on the sensor unit when the settings have been saved.

a) *Press the **ISO/WB** button on the grip.*

b) *To make an **ISO** setting, turn the front control wheel to choose between:*

50, 100, 200 and 400 (22 and 39 Mpix models)

100, 200, 400 and 800 (31 Mpix models)

c) *To make a preset **White Balance** setting, turn the rear control wheel to choose between:*

Daylight, Shade, Cloudy, Flash, Fluorescent and Tungsten

d) *To make a **Manual White Balance** setting (not a **White balance test exposure**; see user manual for details), press the **Man.** (**AF**) button and then turn the rear control wheel to choose a color temperature:*

2000 – 10000 K

e) *Press **SAVE** (**DRIVE** button) to save the setting.*

✎ *White Balance settings are only approximate color temperature settings. They are only used for user convenience when viewing. The 3F file is a raw format file and therefore contains all the information required for correction in FlexColor and/or other software, regardless of the original color temperature at the time of exposure .*

H3D-II User Manual Supplement V6

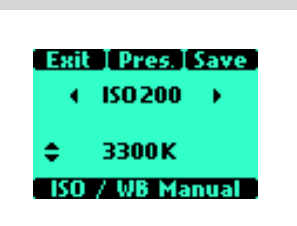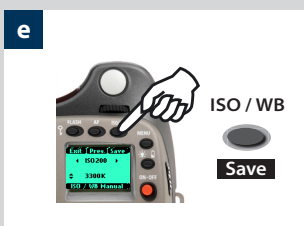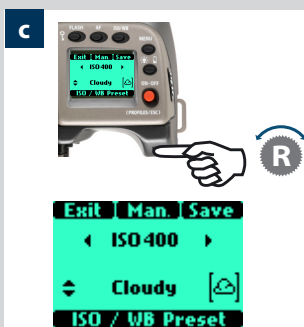4. Settings
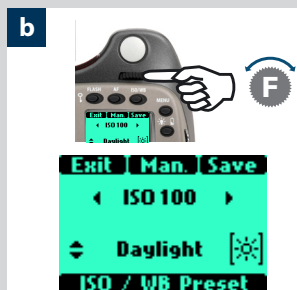5. Drive

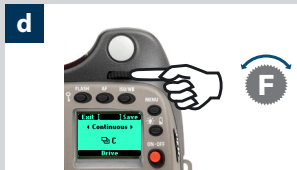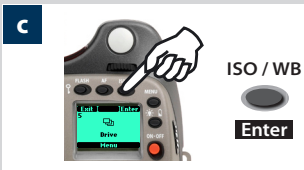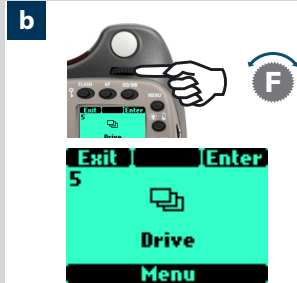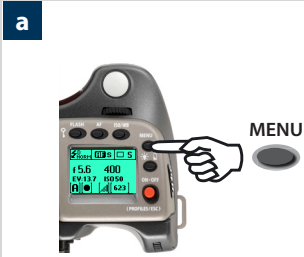*Change the **Drive** settings as follows:*

a) *Press the **MENU** button on the grip.*

b) *Turn the front control wheel until **DRIVE** appears.*

c) *Press **Enter** (**ISO / WB** button) on the grip.*

d) *Turn the front control wheel to choose between **Single** or **Continuous**.*
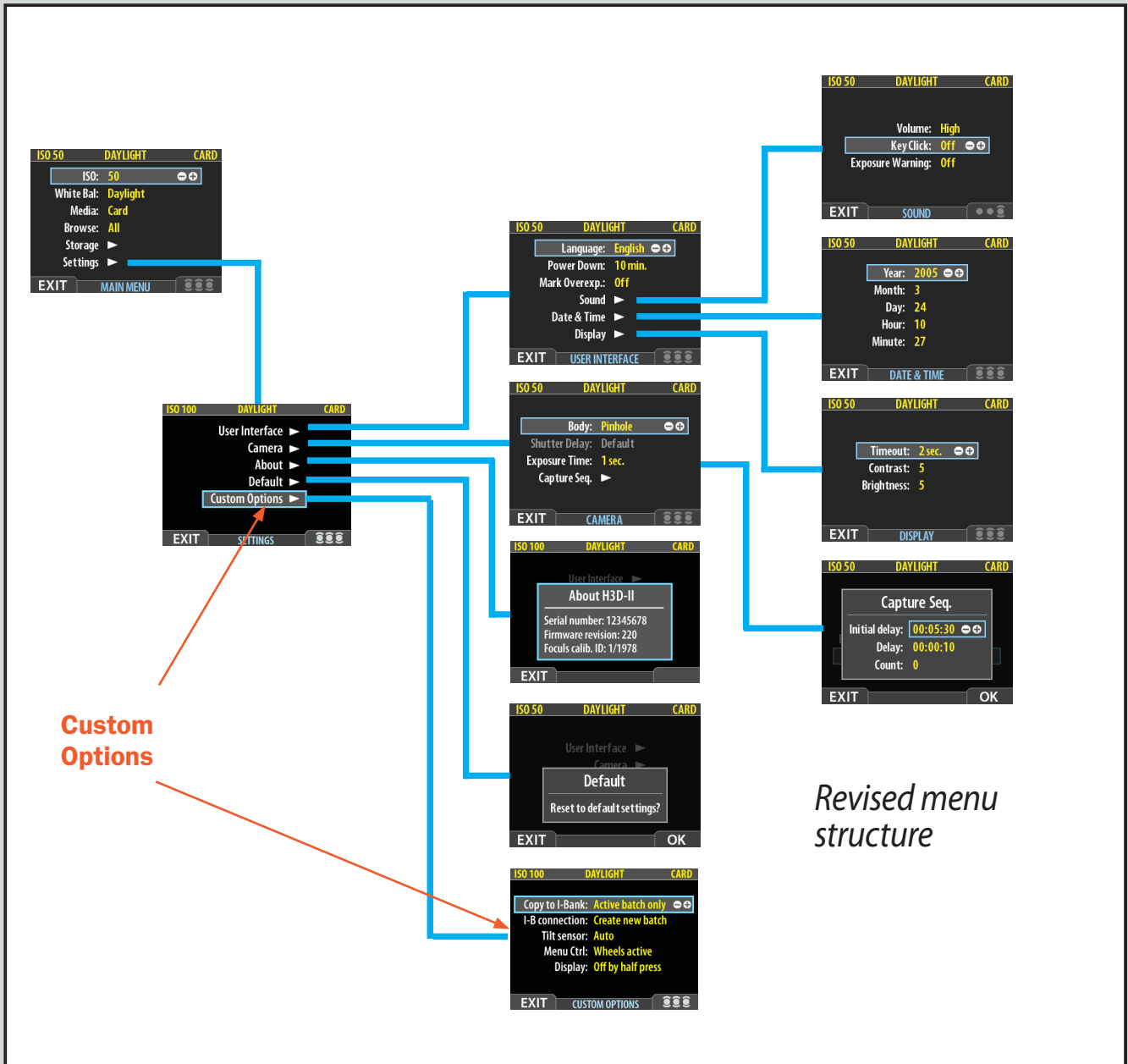

ISO 50   **DAYLIGHT**   **CARD**

Volume: **High**
Key Click: **Off** ⊖⊕
Exposure Warning: **Off**

EXIT   SOUND

ISO 50   **DAYLIGHT**   **CARD**

ISO: **50** ⊖⊕
White Bal: **Daylight**
Media: **Card**
Browse: **All**
Storage ►
Settings ►

EXIT   MAIN MENU

ISO 50   **DAYLIGHT**   **CARD**

Language: **English** ⊖⊕
Power Down: **10 min.**
Mark Overexp.: **Off**
Sound ►
Date & Time ►
Display ►

EXIT   USER INTERFACE

ISO 50   **DAYLIGHT**   **CARD**

Year: **2005** ⊖⊕
Month: **3**
Day: **24**
Hour: **10**
Minute: **27**

EXIT   DATE & TIME

ISO 100   **DAYLIGHT**   **CARD**

User Interface ►
Camera ►
About ►
Default ►
Custom Options ►

EXIT   SETTINGS

ISO 50   **DAYLIGHT**   **CARD**

Body: **Pinhole** ⊖⊕
Shutter Delay: **Default**
Exposure Time: **1 sec.**
Capture Seq. ►

EXIT   CAMERA

ISO 50   **DAYLIGHT**   **CARD**

Timeout: **2 sec.** ⊖⊕
Contrast: **5**
Brightness: **5**

EXIT   DISPLAY

ISO 100   **DAYLIGHT**   **CARD**

User Interface ►

About H3D-II

Serial number: 12345678
Firmware revision: 220
Foculs calib. ID: 1/1978

EXIT

ISO 50   **DAYLIGHT**   **CARD**

Capture Seq.

Initial delay: **00:05:30** ⊖⊕
Delay: **00:00:10**
Count: **0**

EXIT   OK

ISO 50   **DAYLIGHT**   **CARD**

User Interface ►
Camera ►

Default

Reset to default settings?

EXIT   OK

Custom Options

Revised menu structure

ISO 100   **DAYLIGHT**   **CARD**

Copy to I-Bank: **Active batch only** ⊖⊕
I-B connection: **Create new batch**
Tilt sensor: **Auto**
Menu Ctrl: **Wheels active**
Display: **Off by half press**

EXIT   CUSTOM OPTIONS

Custom Options added to sensor unit menu

A new **Custom Options** section has been added to the sensor unit menu under the **Settings** heading. Previously, navigating from the **Settings** heading brought you to the settings list of **User Interface**, **Camera**, **About** and **Default**. See illustration below:

New menu item: Custom Options
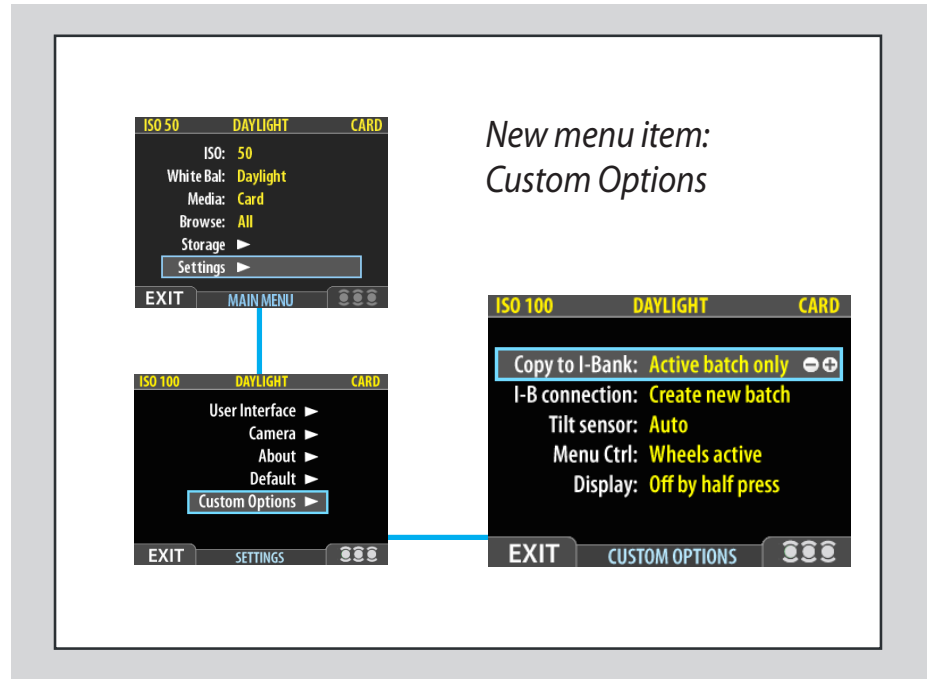
The new settings in this 'Custom Options' group are:

- **Copy to I-Bank**

  When copying files to an ImageBank-II, you can choose whether you want to copy files from the active batch only or all files from the whole card.

- **I-B connection**

  When copying files to an ImageBank-II, you can choose whether you want to copy files into the batch already present or create a new one.

- **Tilt sensor**

  The tilt sensor sets the viewing orientation of captures when they appear in FlexColor. In order to avoid unintentional orientation changes when the camera is pointing straight up or down, for example, the tilt setting can be locked at:

  Auto, Lock at 0 degrees, Lock at 90 degrees, Lock at 180 degrees and Lock at 270 degrees.
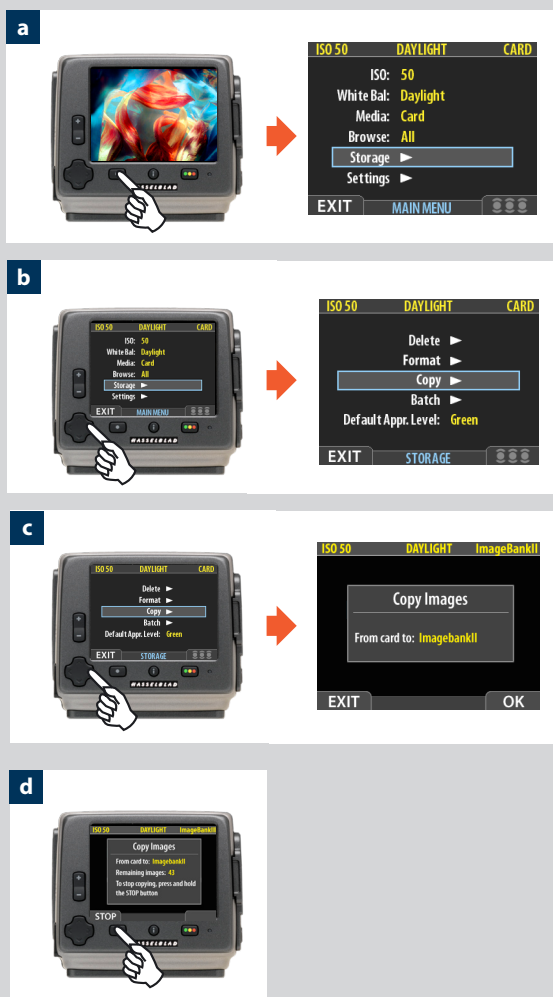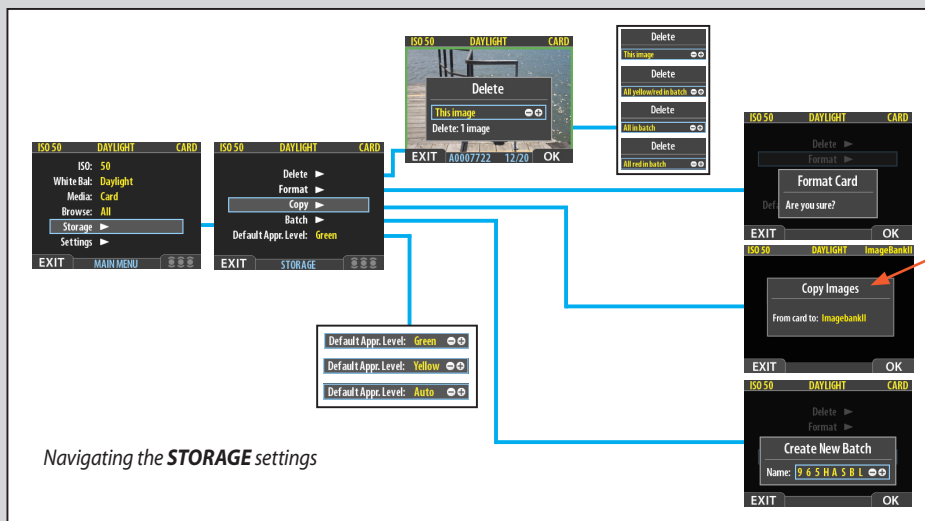
- **Menu Ctrl.**

  This setting defines whether the front and rear control wheels are active or inactive when navigating the sensor menu.

- **Display**

  This setting allows you to turn the sensor unit display on when half-pressing the shutter release button. Three options are available:

  - *Display ON by half-press*
  - *Display OFF by half-press*
  - *Toggle display by half-press*

H3D-II User Manual Supplement V6

Revised menu structure

Copy Images

*Navigating the **STORAGE** settings*

Copying files to an ImageBank-II

Files can now be copied to an ImageBank-II to free up space on a CF card. All batches and files remain on the card until deleted.

To copy files:

With an ImageBank-II attached to the camera by a FireWire cable and turned on:

a) *Press **MENU** and navigate down to select **STORAGE**.*

b) *Press the ▶ button and navigate down to **COPY**.*

c) *Press the ▶ button to reach the confirmation dialogue.*

   *To confirm, press the **OK** button. (To cancel, press the **EXIT** button.)*

   Confirmation will make a copy of all batches and files and store them on the ImageBank-II in a newly created folder called 'CARD0001' (for example). If you connect the camera to the ImageBank-II again, a new folder is automatically created with the name 'CARD0002' (for example) and so on.

d) *The copying dialogue now appears to inform you of progress. Press **STOP** if you want to cancel the procedure.*

Warranty Conditions

Please note the important changes in the warranty conditions which came into effect from the 1st July 2006 onwards. These changes replace the warranty conditions appearing in the user manuals from 1st July 2006 onwards.

"Hasselblad partners will provide the minimum of a twelve month warranty to end-users (subject to their normal statutory rights) on new Hasselblad equipment sold, valid from the date that the equipment is purchased by the first end-user.

For H System camera bodies, film backs and lenses the warranty will be limited to the warranty period provided by the partner or to 100,000 exposures, whichever is reached first.

Warranty claims must be made through the dealer and/or company where the product was originally purchased. The factory warranty is NOT international, and warranty claims cannot be made through other channels. This is also valid for equipment purchased outside the country of residence.

Please note that physical damage to the CCD sensor (scratches, chipping, unauthorized polishing) is not covered by factory warranty.

Cleaning of dust from the CCD sensor is considered as maintenance and is thus not covered by factory warranty."