

REMOVE THE CARRYING STRAP

- 1 Withdraw the safety collar.
- 2 Remove the opened hook from the strap lug.
- 3 Remove the Carrying Strap from the Camera.





4.1 CAMERA SETTINGS MENU

Main Menu



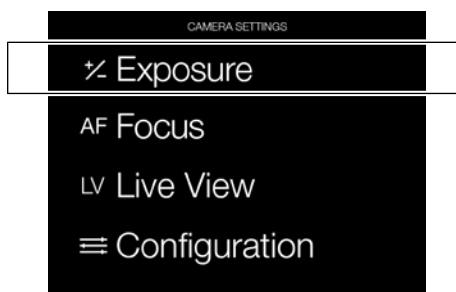
Camera icon

MAIN MENU > CAMERA SETTINGS > EXPOSURE

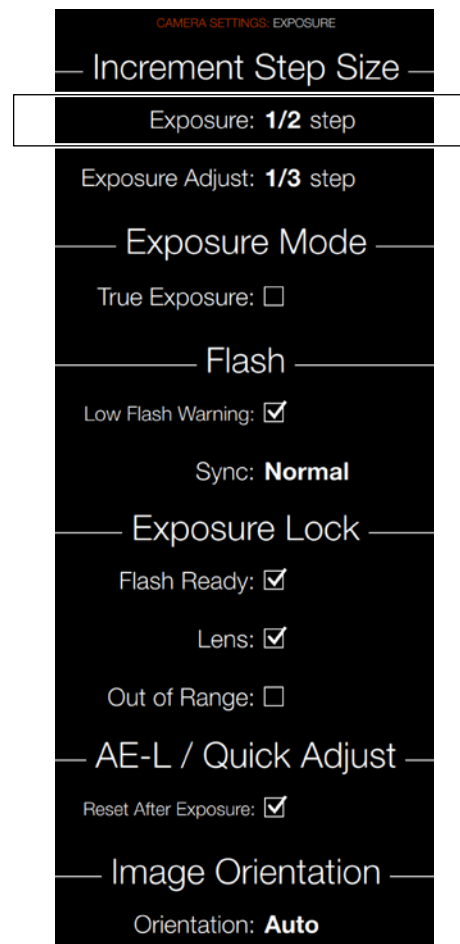
Press the Camera icon on the Touch Display. The Camera Settings Menu will appear.

Swipe right or press Menu / EXIT button to get back to Main Menu.

Camera Settings Menu



Exposure Settings Menu



4.2 CAMERA EXPOSURE SETTINGS

MAIN MENU > CAMERA SETTINGS > EXPOSURE > INCREMENT STEP SIZE

Press the Camera icon on the Sensor unit display. The Camera Settings Menu will appear.

Press the Exposure Settings Menu.

Swipe right or press Menu / EXIT button to get back to Main Menu.

Increment Step Size

Exposure

Select between 1, 1/2 and 1/3.

EXPOSURE ADJUST

MAIN MENU > CAMERA SETTINGS > INCREMENT STEP SIZE > EXPOSURE ADJUST

Press the Camera icon on the Touch Display. The Camera Settings Menu will appear.

Press the Exposure Settings Menu.

Select Exposure Adjust under Increment Step Size.

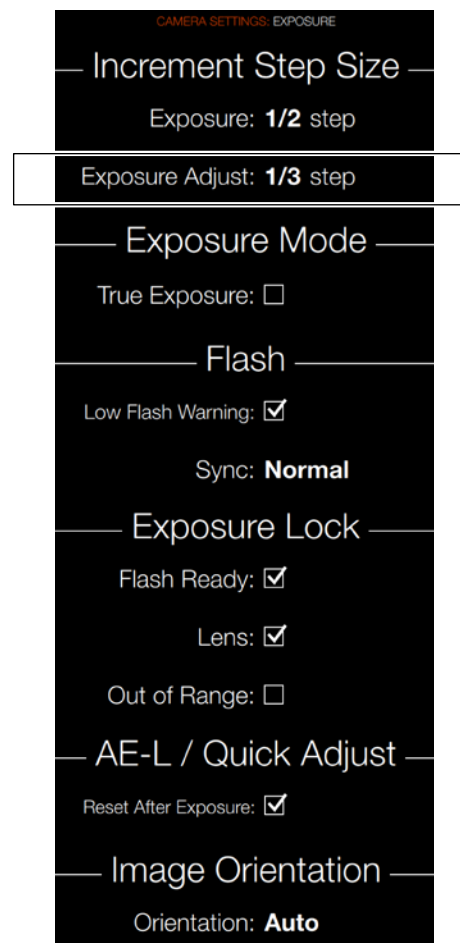
Swipe right or press Menu / EXIT button to save and get back to Main Menu.

Increment Step Size

Exposure Adjust

Select between 1, 1/2 and 1/3.

Exposure Settings Menu



TRUE EXPOSURE

MAIN MENU > CAMERA SETTINGS > EXPOSURE > TRUE EXPOSURE

Press the Camera icon on the Touch Display. The Camera Settings Menu will appear.

Press the Exposure Settings Menu.

Select True Exposure Mode.

Swipe right or press Menu / EXIT button to get back to Main Menu.

True Exposure Settings

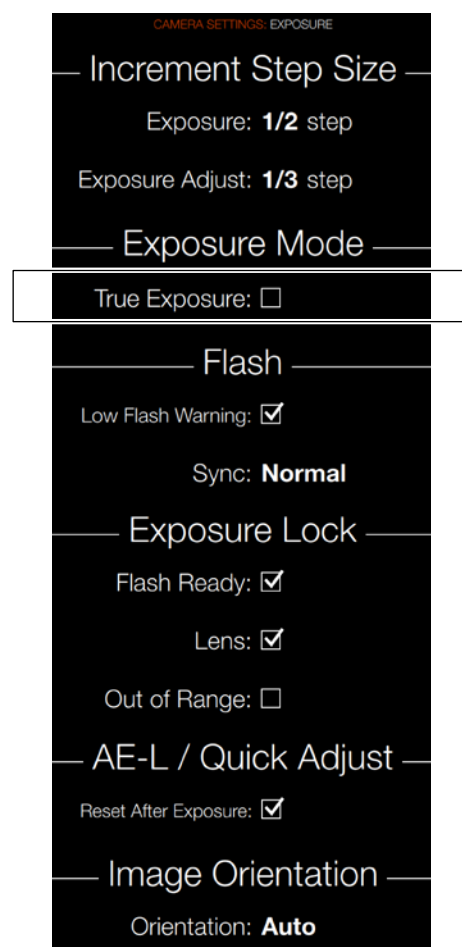
Select On or Off. The checkbox will be marked with a v when On and the checkbox will be empty when True Exposure is Off.

Determines whether the exposure is automatically adjusted to create a true exposure setting. On allows the adjustment. Off retains the normal setting.

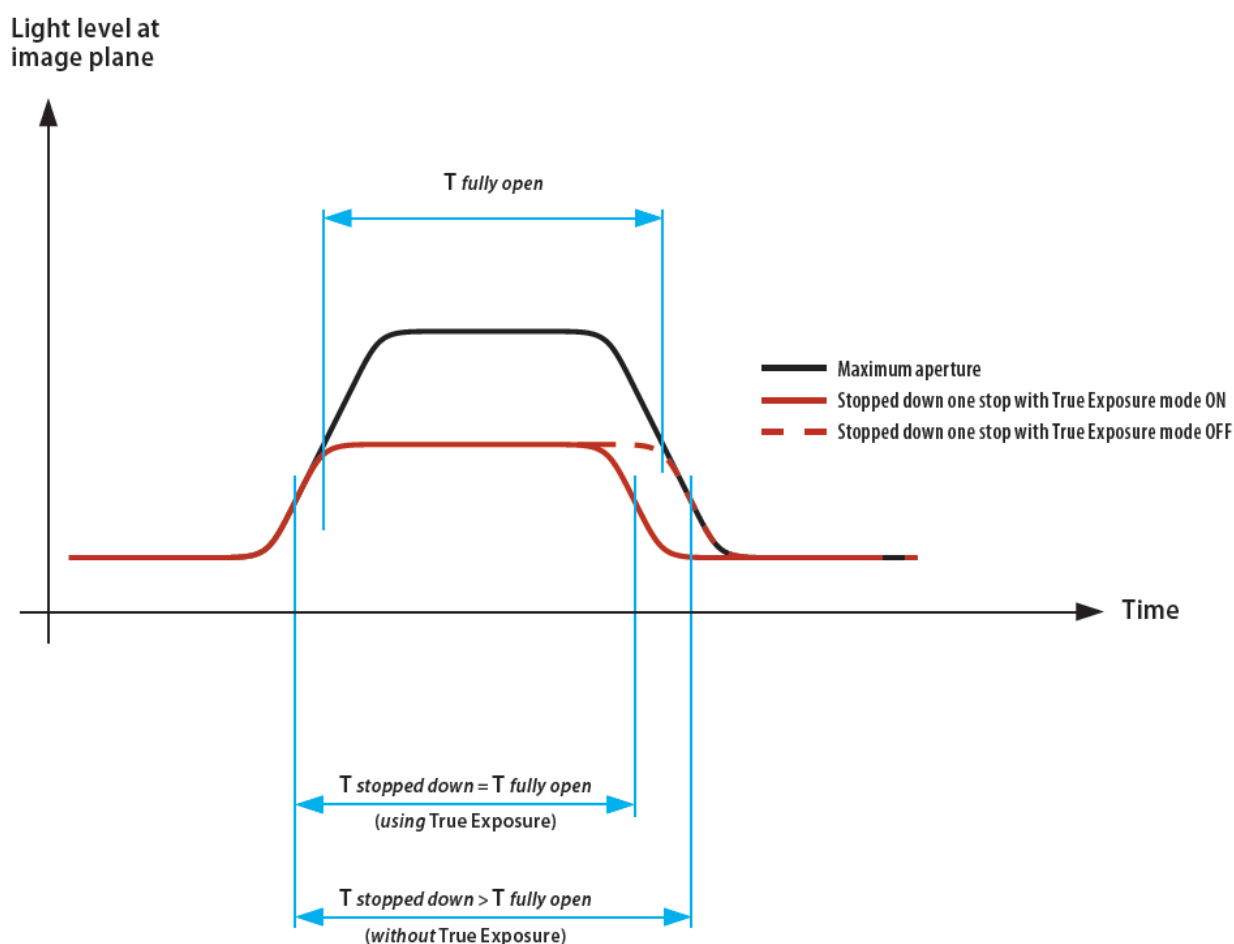
Note!

If using flash/strobe as the main light source and 1/800s or 1/1000 shutter speed (depending on lens type), remember to turn off the True Exposure option.

Exposure Settings Menu



True Exposure explained



True Exposure is an HC/HCD lens function that allows the shutter speed to remain unaffected when stopping down. This effect is perhaps not so commonly understood as it is restricted specifically to integral lens shutters as opposed to focal plane shutters.

When a lens is stopped down, the effective shutter speed becomes longer, consequently affecting the set exposure. At slow shutter speeds the effect is minimal but at faster speeds, e.g. 1/500s, the effect becomes clearly visible. Automatic compensatory measures in speed setting adjustments are employed.

As compensation can only be put into effect where speeds can be adjusted, this prevents the possibility of adjusting the fastest speed of 1/800s. To counter this, compensatory adjustments

are therefore made to the aperture instead to retain the set exposure. This compensation is not always required and when using flash/strobe as the main light source it is actually undesirable because compensation will result in underexposure. Therefore, when using flash/strobe as the main light source, you should set True Exposure to OFF in Main Menu > Camera Settings > Exposure > True Exposure in the Camera Sensor Unit Display.

You can download a complete explanation of this situation from www.hasselblad.com.

FLASH SETTINGS

MAIN MENU > CAMERA SETTINGS > EXPOSURE > FLASH

Press the Camera icon on the Touch Display. The Camera Settings Menu will appear.

Press the Exposure Settings Menu.

Select Flash.

Swipe right or press Menu / EXIT button to get back to Main Menu.

Flash**Low Flash Warning**

Select On or Off.

The checkbox will be marked with a v when On and the checkbox will be empty when Low Flash Warning is Off.

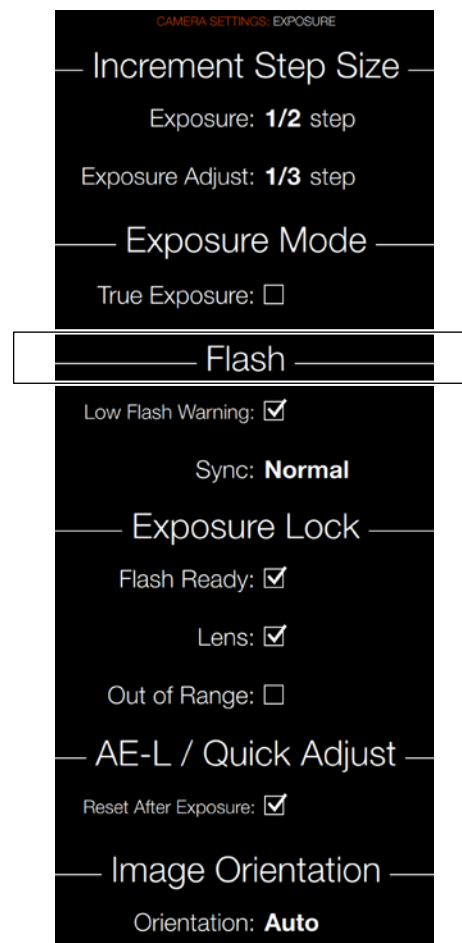
Sync

Select Flash Sync Settings.

- Normal.
- Rear.

This Chapter continues on next page.

Exposure Settings Menu



FLASH AND STROBE SETTINGS

The X1D Camera can be used together with most flash units in manual mode. However, to make use of a TTL automatic function, it must be ensured that the flash unit is compatible with the SCA 3002 system. Connection is either by the PC socket or by the hot shoe (see warning below).

The viewfinder houses an integral fill-flash with a guide number of 12 and features OTF/TTL flash control. This flash is capable of providing enough illumination for many fill flash functions outdoors as well as simple indoor shots at shorter distances.

General information

When using the A or S setting together with flash, the exposure requirements of the camera will dominate which might produce slow shutter speeds indoors, for example, requiring the use of a tripod. If P or Pv is selected instead, a shutter speed of 1/60 or faster is automatically chosen by the camera enabling the camera to be hand held.

When using flash close up or when using larger aperture settings, remember that the flash unit's output has a specific minimum duration which might still be too great for correct exposure. Read the back's output specifications for further information regarding any potential restrictions.

It is possible to use the flash metering capability with external flash units of all kinds (TTL flashes must be set to Manual mode).

Rear sync is a useful feature used either for effect or to produce a more 'natural' look when combining long exposures involving light trails and flash.

When using suitable dedicated backs (compatible with SCA3002 compatible flash unit regarding the two functions, exposure compensation and shutter sync, is via the grip. The flash measure function can be used for flash units that are not SCA 3002 compatible or for SCA 3002 compatible backs at manual setting.

To change the balance between flash output and camera exposure requirements to produce a variety of effects, use the exposure compensation function. For various long exposure effects use the sync function. To make flash exposure tests use the flash measure function.

Notes and WARNINGS!

Only flash units specially adapted for use with the X1D should be connected to the hot shoe on the camera.

Note!

Do not attempt to connect a flash unit dedicated for use with another camera brand via the hot shoe. The flash unit and / or camera could be damaged.

Note!

If using flash/strobe as the main light source and 1/800s shutter speed, remember to turn off the True Exposure function.

As with all strobe/studio flash use, very particular attention should be taken to ensure correct connections and general handling practice. Potential dangers might increase when cameras are also connected to electronic peripherals (computers, lighting backs, etc.) and should diminish when IR and similar wireless flash release devices are used.

Victor Hasselblad AB cannot accept any responsibility what so ever for accidents that might occur or damage caused when Hasselblad equipment is used in combination with third party backs of any description.

EXPOSURE LOCK

MAIN MENU > CAMERA SETTINGS > EXPOSURE > EXPOSURE LOCK

Press the Camera icon on the Touch Display. The Camera Settings Menu will appear.

Press the Exposure Settings Menu.

Scroll down to Exposure Lock.

Swipe right or press Menu / EXIT button to get back to Main Menu.

Exposure Lock

Flash Ready

Select On or Off. The checkbox will be marked with a v when On and the checkbox will be empty when it is Off.

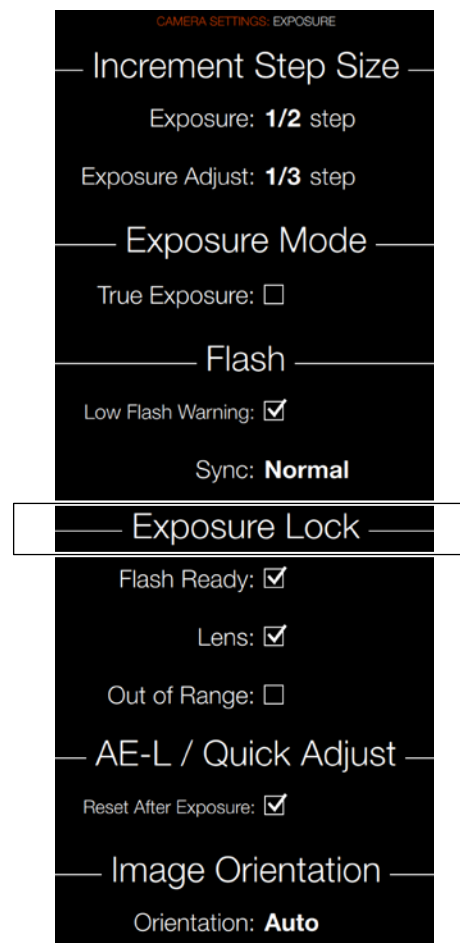
Lens

Select On or Off. If Lens is selected, it is not possible to expose without the Lens mounted. The checkbox will be marked with a v when On and the checkbox will be empty when it is Off.

Out of Range

Select On or Off. The checkbox will be marked with a v when On and the checkbox will be empty when it is Off.

Exposure Lock Settings Menu



AE-L (AE-LOCK) / QUICK ADJUST

MAIN MENU > CAMERA SETTINGS > EXPOSURE > AE-L / QUICK ADJUST

Press the Camera icon on the Touch Display. The Camera Settings Menu will appear.

Press the Exposure Settings Menu.

Scroll down to AE-L / Quick Adjust.

Swipe right or press Menu / EXIT button to get back to Main Menu.

AE-Lock / Quick Adjust**Reset after exposure**

Select On or Off. The checkbox will be marked with a v when On and the checkbox will be empty when Off.

AE-Lock / Quick Adjust Menu

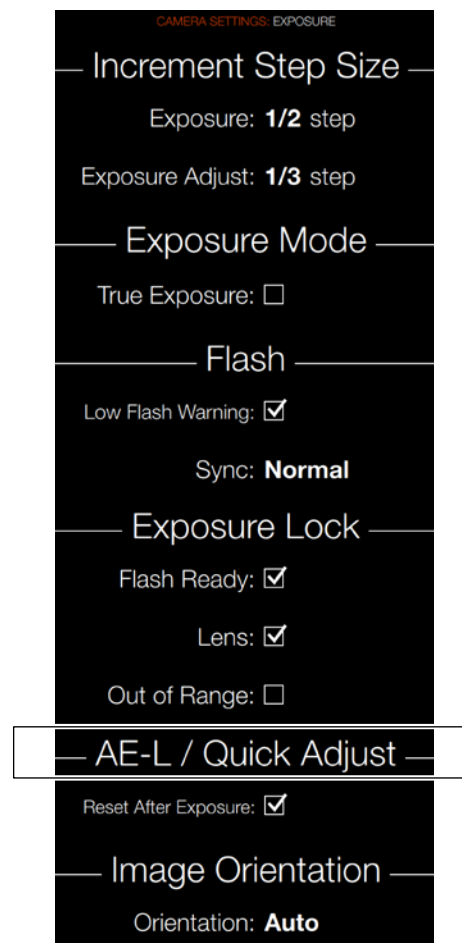


IMAGE ORIENTATION

MAIN MENU > CAMERA SETTINGS > EXPOSURE > IMAGE ORIENTATION

Press the Camera icon on the Touch Display. The Camera Settings Menu will appear.

Press the Exposure Settings Menu.

Select Image Orientation Settings.

Swipe right or press Menu / EXIT button to get back to Main Menu.

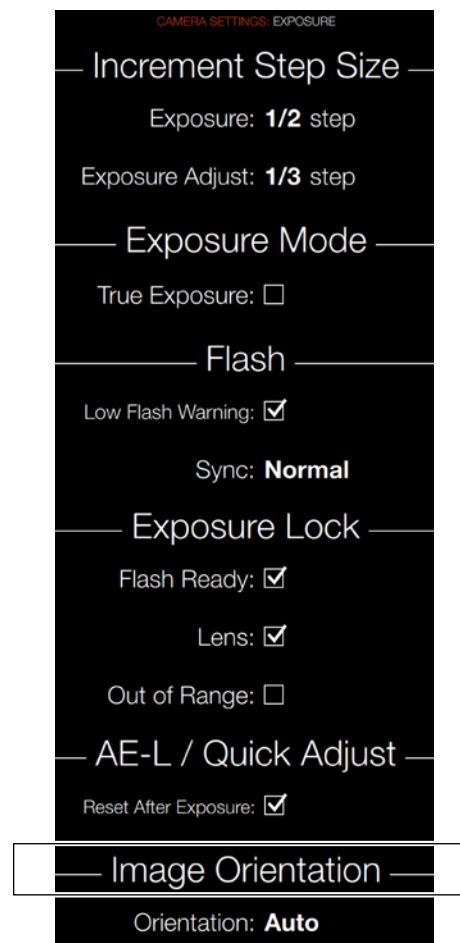
Image Orientation

Sets the viewing orientation of captures when they appear in Phocus. To avoid unintentional orientation changes when the camera is pointing straight up or down, the orientation setting can be locked.

Optional Settings

- Auto.
- Lock at 0 degrees.
- Lock at 90 degrees.
- Lock at 180 degrees.
- Lock at 270 degrees.

Image Orientation Settings Menu



4.3 CAMERA FOCUS SETTINGS

MAIN MENU > CAMERA SETTINGS > FOCUS

Select the Camera icon on the Touch Display. The Camera Settings Menu will appear.

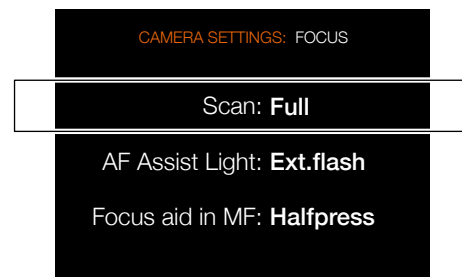
Press the Focus Settings Menu.

Swipe right or press Menu / EXIT button to get back to Main Menu.

Camera Menu



Focus Settings Menu



Focus Settings Menu Contents

Scan

Settings for Scan Range (for Macro Lens only).

- Near
- Far
- Full

AF assist light

Autofocus assist light.

- Camera
- Ext. Flash
- Off

Focus aid in MF

This is a focus aid in Manual Focus Mode MF. Indicates how the focus aid arrowhead LED symbols appear in the viewfinder display in manual focus mode.

- Always. Always makes them visible all of the time when camera is active.
- Half press. Half press makes them visible when the shutter release button is pressed half way.
- Off. Off disables them completely.

4.4 CAMERA LIVE VIEW SETTINGS

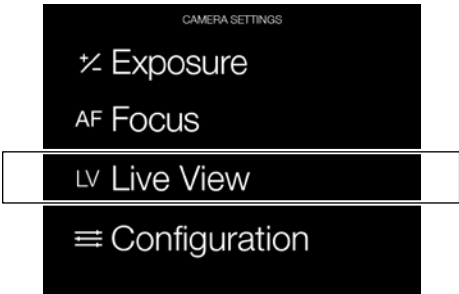
MAIN MENU > CAMERA SETTINGS > LIVE VIEW

Press the Camera icon on the Touch Display. The Camera Settings Menu will appear.

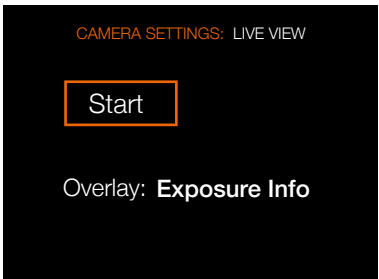
Press the Live View Settings Menu.

Swipe right or press Menu / EXIT button to get back to Main Menu.

Camera Menu



Live View Settings Menu



Self Live View Settings Menu

Start

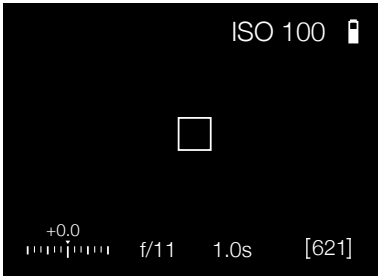
Start Live View Mode.

Overlay

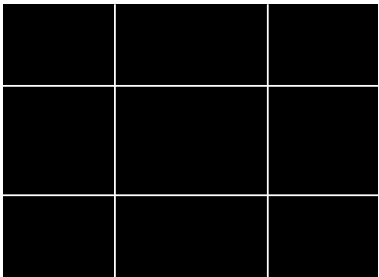
Select the type of Overlay Information to be displayed over the Live View stream.

- Exposure Information.
- Grid.
- None.

Live View with Exposure Information



Live View with Grid



This Chapter Continuous on the next page.

Electronic Viewfinder Display, EVF example



LIVE VIEW

This feature is useful for accurate focusing, composition and depth of field preview.

- 1 Select Camera Settings > Live View.
- 2 Press Start to activate Live View.
- 3 Press button D to toggle overlay forward.
- 4 Press button B returns on step.
- 5 Button A, C, or E to Exit Live View.

Live View Settings**Overlay**

Select Overlay Displayed during Live View. Scroll between options with button (B) and (D).

- Exposure Information
- Grid
- None

**ZOOMING IN LIVE VIEW**

- 1 Double click on Touch Display to Zoom in to Actual Pixel Size (100%) to that specific area.
- 2 Double click again to Zoom out to Display the entire Capture.
- 3 You can move the image to view different areas by swiping.

**FOCUS IN LIVE VIEW**

- 1 Double click on Touch Display to Zoom in to selected Focus Area.
- 2 Adjust Focal Point manually on the Lens.
- 3 Double click again to Zoom out to Display the entire Capture.

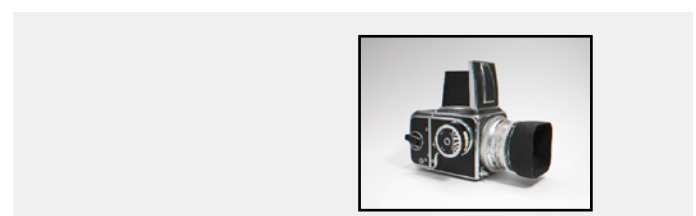
**Note!**

Live View demands higher power consumption than normal operation. Working with Live View will shorten the usage time of the Camera when on battery only power supply.

Before Focusing



After Focusing



LIVE VIEW WITH HDMI EXTERNAL SCREEN



Connect an external Video Screen to the HDMI connector socket (1). On the Main Menu select LV Live View.

Note!

Live View demands higher power consumption than normal operation. Working with Live View will shorten the usage time of the Camera when on battery only power supply.



4.5 CAMERA CONFIGURATION SETTINGS

MAIN MENU > CAMERA SETTINGS >
CONFIGURATION

Press the Camera icon on the Touch
Display. The Camera Settings Menu will
appear.

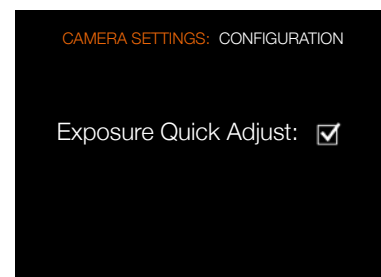
Press the Configuration Settings Menu.

Swipe right or press Menu / EXIT button
to get back to Main Menu.

Camera Menu



Configuration Settings Menu



Configuration Settings Menu

Exposure Quick Adjust

On or Off.

The checkbox will be marked with a
v when On and the checkbox will be
empty when Off.

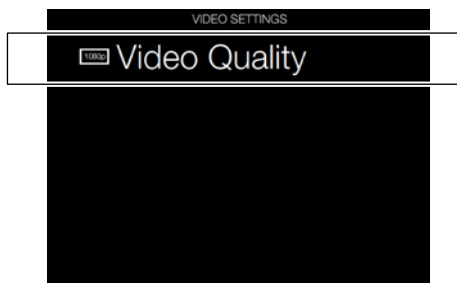
4.6 VIDEO SETTINGS MENU

Main Menu



Video icon

Video Settings Menu



Video Quality Settings



MAIN MENU > VIDEO SETTINGS

Press the Video icon on the Touch Display. The Video Settings Menu will appear.

Select the Video Settings Menu.

Swipe right or press Menu / EXIT button to get back to Main Menu.

VIDEO SETTINGS

In this release it is not possible to change the Coding or Resolution Settings. In a future firmware release there will be more options.

Coding

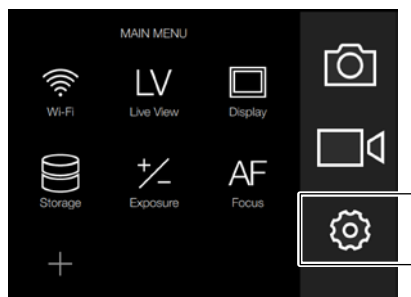
Video Quality Coding Setting H.264.

Resolution

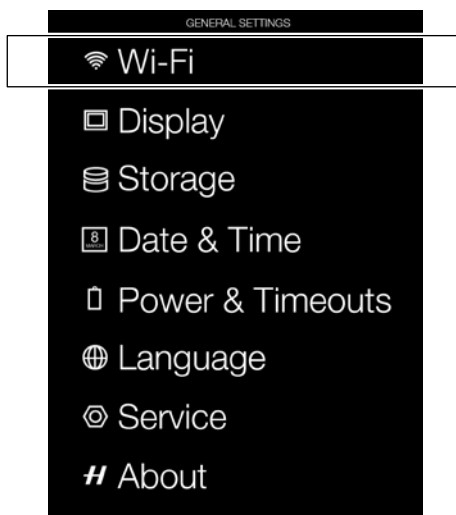
Video Quality Resolution Setting
1080p.

4.7 GENERAL SETTINGS MENU

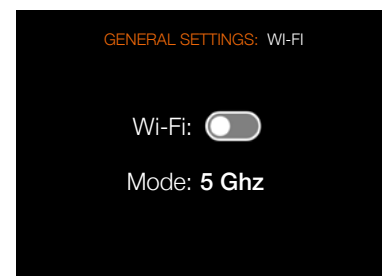
Main Menu

General
Settings icon

General Settings Menu



Wi-Fi Settings Menu



MAIN MENU > GENERAL SETTINGS

Press the Settings icon on the Touch Display. The General Settings Menu will appear.

Swipe right or press Menu / EXIT button to get back to Main Menu.

4.8 GENERAL SETTINGS WI-FI

The Wi-Fi mode allows the Hasselblad Phocus Mobile application on an Apple iPhone, iPad or iPod to function in the same way as when a camera is tethered to a computer.

MAIN MENU > GENERAL SETTINGS > WI-FI

- 1 Press MENU.
- 2 Select General Settings in the main menu on the Sensor Unit Display.
- 3 Select Wi-Fi.
- 4 Settings:
Wi-Fi: On or Off
Modes: 2.4 GHz or 5 GHz.

Note!

Some regions do not allow 5 GHz Wi-Fi.

Share Photos on Mobile Phocus App

When working with the Phocus Mobile App on your iPhone/iPad/iPod you can select the Share button in Phocus Mobile and share the photo in a text message, e-mail or on Facebook. You can also select Save as Image.

Note!

No images are stored on the iPhone/iPad/iPod. If you want to send a Photo via e-mail, use the Share function in Phocus Mobile or take Screen shot function on the iPhone/iPad.

WI-FI MODES

The Wi-Fi function has one mode of operation – Direct Access.

- Direct Access is when the camera creates a new Wi-Fi network and an iPhone/iPad/iPod is connected to it. The name of the network contains the camera serial number:

For example: "X1D-50c SQ34000123"

4.9 GENERAL SETTINGS DISPLAY

MAIN MENU > GENERAL SETTINGS >
DISPLAY

- 1 Press the Settings icon on the Touch Display.
- 2 The General Settings Menu will appear.
- 3 Select Display.

Swipe right or press Menu / EXIT button to get back to Main Menu.

Display Menu Settings

Brightness

Slide Left or Right to change Brightness.

Show Preview

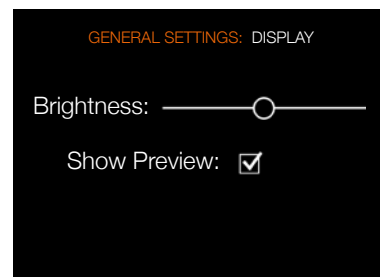
Select On / Off. On displays a preview of the capture after every exposure.

The checkbox will be marked with a v when On and the checkbox will be empty when Off.

General Settings Menu



Display Menu



4.10 GENERAL SETTINGS STORAGE

MAIN MENU > GENERAL SETTINGS > STORAGE

- 1 Press the Settings icon on the Touch Display.
- 2 The General Settings Menu will appear.
- 3 Press the General Settings Storage icon.

Swipe right or press Menu / EXIT button to get back to Main Menu.

Storage Menu Settings

Format Card

- Format SD 1.
- Format SD 2.

Image Destination

- Primary slot: SD 1 or SD 2.
- Secondary slot usage.

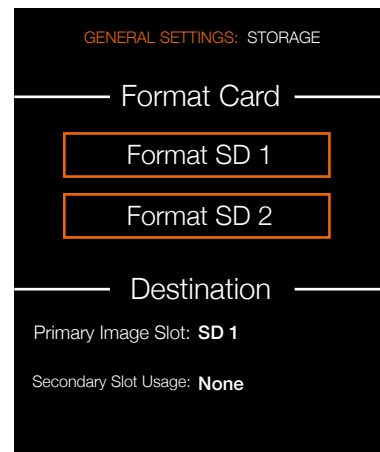
FORMAT CARD

- 1 Select Card to Format, SD 1 or SD 2, on the Storage Menu.
- 2 A new Format Card Dialog will be displayed.
- 3 Select Exit to Exit without formatting.

General Settings Menu



Storage Menu



Format Card Dialog Display

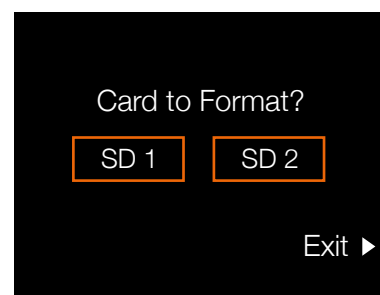


IMAGE AND VIDEO DESTINATION

MAIN MENU > GENERAL SETTINGS >
STORAGE > IMAGE DESTINATION

Destination Settings.

- 1 Press the Settings icon on the Touch Display.
- 2 The General Settings Menu will appear.
- 3 Press the General Settings Storage icon.
- 4 Select Image Destination.

Swipe right or press Menu / EXIT button to get back to Main Menu.

Image Destination

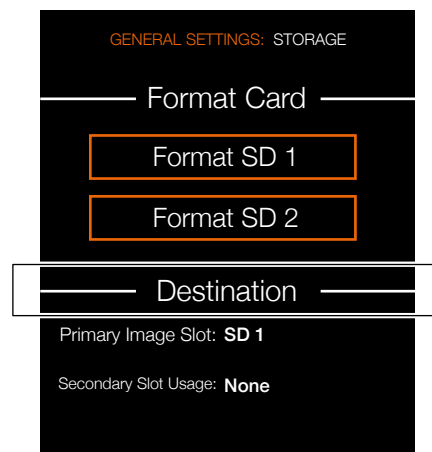
- Primary slot: SD 1 or SD 2.
- Secondary slot usage:
 - None.
 - Overflow.

If Overflow is selected the camera will automatically switch to the secondary card when the primary card is full.

General Settings Menu



Storage Menu



4.11 GENERAL SETTINGS DATE AND TIME

MAIN MENU > GENERAL SETTINGS >
DATE AND TIME

- 1 Press the General Settings icon on the Touch Display.
- 2 The General Settings Menu will appear.
- 3 Press the Date and Time icon.

Swipe right or press Menu / EXIT button to get back to Main Menu.

Date and Time Menu Settings

Date

Set Date by changing year, month and day using the pop up menus.

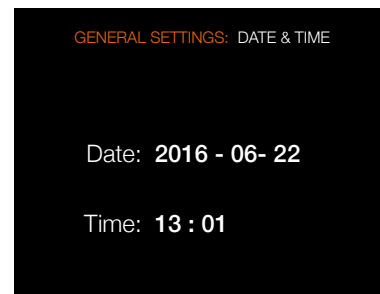
Time

Set Time by changing hour and minute using the pop up menus.

General Settings Menu



Date and Time Menu



4.12 GENERAL SETTINGS POWER AND TIMEOUTS

MAIN MENU > GENERAL SETTINGS >
POWER AND TIMEOUTS

The X1D Camera can be set to automatically turn off the Touch Display or Power Off after a set amount of seconds to save battery for example.

Change Display or Power Off

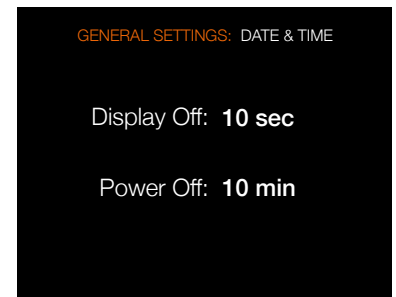
- 1 Press the General Settings icon on the Touch Display.
- 2 The General Settings Menu will appear.
- 3 Press the General Settings Power and Timeouts icon.
- 4 Adjust the time values by pressing the value and adjust the value in the pop up menus.

Swipe right or press Menu / EXIT button to save and get back to Main Menu.

General Settings Menu



Power and Timeouts Menu



Power and Timeouts Menu

Display Off

Select Display Off Settings.

- 3 seconds.
- 5 seconds.
- 10 seconds.
- 20 seconds.
- 30 seconds.
- 60 seconds.
- Never.

Power Off

Select Display Power Off Settings.

- 5 minutes.
- 10 minutes.
- 30 minutes.
- Never.

4.13 GENERAL SETTINGS LANGUAGE

MAIN MENU > GENERAL SETTINGS > LANGUAGE

- 1 Press the General Settings icon on the Touch Display.
- 2 The General Settings Menu will appear.
- 3 Press the General Settings Language icon.

Swipe right or press Menu / EXIT button to Save and get back to Main Menu.

Language Menu Settings

More language options will be added in a future Firmware release.

Available Languages:

English
Espanol
Francais
Deutsch
Italiano
Chinese
Japanese
Korean

- 1 Press MENU button on the Touch Display.
- 2 Navigate to General Settings.
- 3 Navigate to Language.
- 4 Select Language.
- 5 Close the pop up Menu by a click outside the pop up.

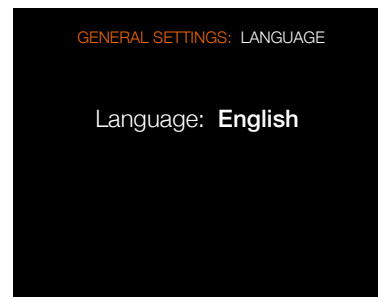
Note!

If the Camera has been set to a language you don't understand (a rented camera, for example), see Chapter Troubleshooting for solution.

General Settings Menu



Language Menu



4.14 GENERAL SETTINGS SERVICE

MAIN MENU > GENERAL SETTINGS > SERVICE

- 1 Press the General Settings icon on the Touch Display.
- 2 The General Settings Menu will appear.
- 3 Press the General Settings Service icon.

Swipe right or press Menu / EXIT button to get back to Main Menu.

Service Menu Settings

Firmware Update

Check For Update.

Log Data

Press Save to Log Data for Service.

Default Settings

Press Revert to revert the Camera to Default Settings.

File Counter

Press Reset to reset the File Counter.

Demo Mode

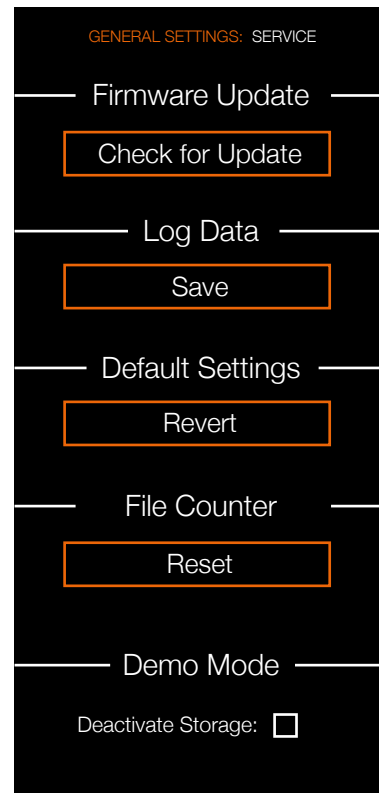
Deactivate Storage: Select the check box and a dialogue screen is displayed. Select Deactivate to deactivate storage.

The checkbox will be marked with a v when On and the checkbox will be empty when Off.

General Settings Menu



Service Menu



Note!

The Demo Mode is only intended for Retail Demo Purpose.

Note!

The Storage Deactivation is only active until the camera is restarted.

How to save Log Data:

- 1 Press MENU.
- 2 Navigate to General Settings.
- 3 Navigate to Service.
- 4 Navigate to Log Data.
- 5 Press the Save button.
- 6 Save Log Data saves a log file on the SD 1 card or SD 2 card.
- 7 Save the chosen selection by pressing EXIT (MENU button).

4.15 GENERAL SETTINGS CHECK FOR UPDATE

MAIN MENU > GENERAL SETTINGS >
CHECK FOR UPDATE

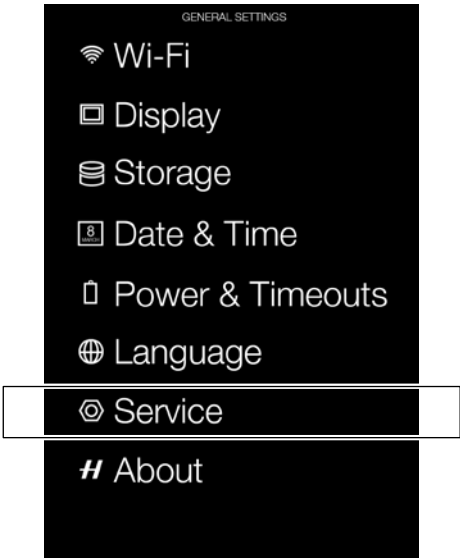
- 1 Press the Settings icon on the Touch Display.
- 2 The General Settings Menu will appear.
- 3 Press the General Settings Check for Update button.

Swipe right or press Menu / EXIT button to get back to Main Menu.

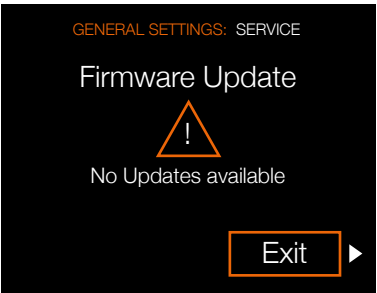
Check for Update Menu Settings

When connected to internet you can check for Firmware Updates.

General Settings Menu



Check for Update Menu



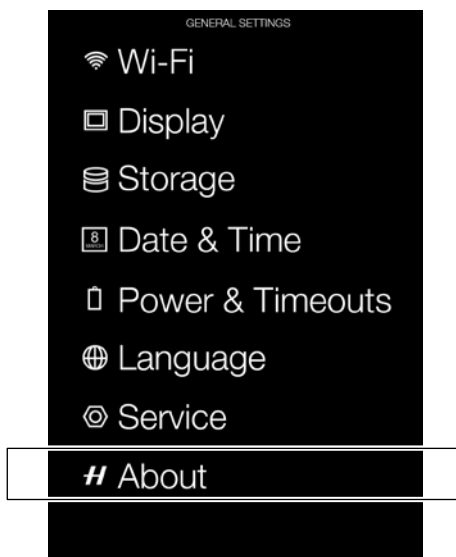
4.16 GENERAL SETTINGS ABOUT

MAIN MENU > GENERAL SETTINGS >
ABOUT

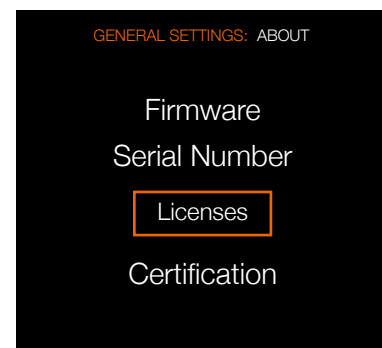
- 1 Press the General Settings icon on the Sensor unit display.
- 2 The General Settings Menu will appear.
- 3 Press the General Settings About icon.

Swipe right or press Menu / EXIT button to get back to Main Menu.

General Settings Menu



About Menu



Firmware

The About box will tell you which firmware version is present so you can see if you have the latest firmware (can be downloaded from the Hasselblad website). The serial number is also displayed in case Hasselblad Support need to know it for problem solving.

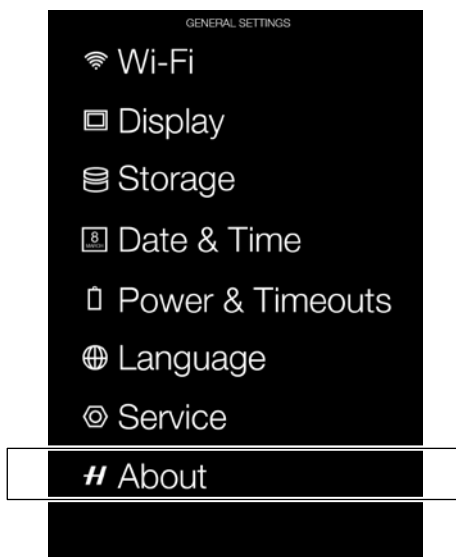
4.17 GENERAL SETTINGS ABOUT CERTIFICATION

MAIN MENU > GENERAL SETTINGS >
ABOUT > CERTIFICATION

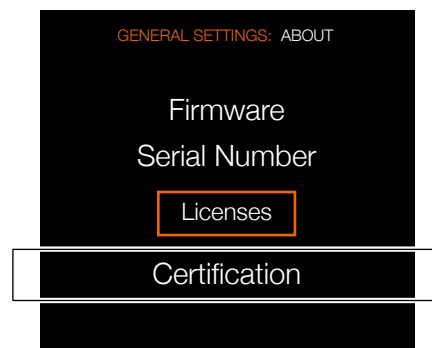
- 1 Press the General Settings icon on the Sensor unit display.
- 2 The General Settings Menu will appear.
- 3 Press the General Settings About icon.
- 4 Press the Certification icon.

Swipe right or press Menu / EXIT button to get back to Main Menu.

General Settings Menu



About Menu



Certification E-label

Depending on region certification information in addition to what is engraved on the camera bottom can be found on an E-label. From the Main Menu this label is reached by pressing General Settings > About > Certification.





5.1 XCD LENS RANGE

XCD 45 LENS

The XCD 45 is a fixed 45 mm Lens that has Autofocus and Manual Focus capabilities.



XCD 90 LENS

The XCD 90 is a fixed 90 mm Lens that has Autofocus and Manual Focus capabilities.



XCD HC LENS ADAPTER

The XCD HC Lens Adapter can be used to connect a HC Lens for example HC 80 mm Lens.



V system C type lenses with optional CF lens adapter



5.2 OPTIONAL HC LENS ACCESSORIES

HTS 1.5

(3043400)

The HTS 1.5 is a tilt and shift adapter designed for the HCD28mm, HC35mm, HC50mm, HC80mm and the HC100mm lenses. It not only solves technical challenges but also provides exciting opportunities for creative solutions.



CF ADAPTER

(3043500)

The CF adapter allows almost all lenses from the V-system to be used on H system camera bodies. This adapter expands the potential lens range for H cameras by more than a dozen different focal lengths.



H 13, 26 AND 52 EXTENSION TUBES

(3053513, 3053526 and 3053542)

The Extension tubes attach between the lens and the body to reduce the close focusing distance for close up photography. They are available in three sizes: 13 mm, 26 mm and 52 mm. As the X1D has a TTL light metering system, exposure compensation is automatic.



5.3 OPTIONAL ACCESSORIES

PRO SHADE V/H 60 – 95

(3040740)

An adjustable bellows lens shade that provides highly efficient protection against stray light. Its compact, flat folding design saves space in the equipment case. With adapters it fits all HC lenses and virtually all V system lenses. Also features a filter holder for glass, gelatin, or plastic filters.



PRO SHADE ADAPTERS

(3043415, 3043417, 3043419)

67mm, 77mm and 95mm adapters with bayonet mount for HC lenses. Features lock to provide positive and secure attachment.



UV-SKY FILTERS

(3053470, 3053474 and 3053478)

Absorbs UV radiation and reduces blue haze without affecting colours. Also protects the front lens surface. Particularly recommended when the camera is used in harsh conditions.

Available in three sizes to suit various lenses: UV-sky 67mm (3053470), UV-sky 77mm (3053474) and UV-sky 95mm (3053478).



POLA FILTERS

(3053482, 3053486 and 3053490)

Reduces non-specular reflections and glare. Increases colour saturation in general. Can intensify a blue sky. Available in three sizes.



SUPPORT STRAP WITH QUICK PLATE H

(3045154)

Improves comfort and security with hand held photography. Complete with quick plate H.



CAMERA STRAP H

(3053616)

Extra wide camera strap with anti slip backing.





Problem	Possible cause	Suggested correction
Error message	-	See chapter 7.1 Error Messages.
Camera is deactivated	The camera can be affected by a discharge of electricity. This can happen when the area around the control buttons on the grip accidentally touches a conductive cord or material connected to earth. This can deactivate the camera and does not cause any damage.	Press the red ON - OFF button on the grip to activate the camera.
Wrong language	If the sensor unit has been set to a language you don't understand (on a rented camera, for example), you can navigate to your preferred language by following the actions and appearance in the illustrations here.	See chapter 7.2 To Change Language On Sensor Unit From Unknown Language.
Dark or coloured spots or lines in your images	Dirt or particles on the surface of the camera lens	See chapter 7.3 To Clean The Lens Glass.
	Dirt or particles on the surface of the sensor unit's infrared (IR) filter	See 7.4 To Clean the sensor unit filter.
Temperature warning icon appears	Rapidly taken captures make heavy demands on the processor in the sensor unit which in turn produces heat. This can in combination with high ambient temperature result in noise in the image files. At ca. 60°C a warning dialogue appears notifying that the sensor unit is temporarily shutting down to allow the sensor unit to cool.	Let the sensor unit cool down for at least 20 minutes.
Time and date settings on the sensor unit does not work	Time and date settings on the sensor unit (which are included with files and folder labels) are updated automatically through a USB3/Phocus connection. These settings are retained for about two consecutive weeks by a small rechargeable cell that is automatically recharged by the main battery or USB3 with regular use.	Leave the sensor unit ON for 12 hours.

6.1 ERROR MESSAGES

Caution!

Be careful when you attach/remove the components to/from the camera. This will help prevent damage to the data bus connections.

If any error message is displayed

- 1 Remove the components from the camera.
- 2 Attach the components to the camera again.

If the error message is still displayed

- 1 Remove the battery.
- 2 Wait 10 seconds.
- 3 Attach the battery again.
The Camera processor is now reset.



If the error message is still displayed

- 1 Write down the error message.
- 2 Contact your local Hasselblad Authorized Service Center.
- 3 Communicate the error message to the Hasselblad Authorized Service Center.



6.2 CHANGE LANGUAGE ON SENSOR UNIT FROM UNKNOWN LANGUAGE

MAIN MENU > GENERAL SETTINGS > LANGUAGE

- 1 Press the General Settings icon on the Touch Display.
- 2 The General Settings Menu will appear.
- 3 Navigate to the menu item with a Globe icon (number 6 on the list from the top, Language).
- 4 Scroll down to select your Language.

Swipe right or press Menu / EXIT button to get back to Main Menu.

General Settings Menu



Language Menu



6.3 CLEAN THE LENS GLASS

REMOVE DUST

Caution!

Do not touch the glass surface with your fingers. This can cause damage to the equipment.

If there is dust on the lens glass, do as follows:

- 1 Remove the dust with a blower brush.
- 1 If that does not solve the problem, try to remove dust with a very soft lens brush.

REMOVE SMEAR

Caution!

Do not touch the glass surface with your fingers. This can cause damage to the equipment.

If there is smear on the lens glass, do as follows:

- 1 If you are not sure how to remove the smear, contact your local Hasselblad Authorized Service Center.
- 2 Clean the lens glass with a high quality lens cleaning solution on a tissue.



6.4 CLEAN THE SENSOR UNIT FILTER

Caution!

Be careful when you attach/detach the components to/from the camera. This will help prevent damage to the data bus connections.

Caution!

When you remove the sensor unit, keep foreign objects away from the camera opening. The camera opening is very sensitive. This will help prevent damage to the equipment.

- 1 Remove USB 3 cable if connected.
- 2 Rotate the sensor unit release button to the right.
- 3 Maintain the position and press the centre of the button firmly inwards towards the camera body (X) to finally release the magazine.
- 4 Carefully clean the outside surface of IR filter by using clean compressed air.

Caution!

If you use canned compressed air to clean the glass of IR filter, read the instructions very carefully before use. This will help prevent damage to the filter.

If compressed air did not remove all the problems on the filter, use an E-wipe. Do as follows:

- 5 Tear at the notch to break seal.
- 6 Remove an E-wipe from the package and fold the tissue to match the width of the IR filter.
- 7 Apply firm pressure using two or three fingers at the edge of the wipe to ensure an even, firm contact with filter surface.
- 8 Wipe the surface in one unbroken motion.

Note!

Do not use same side of the E-wipe twice as you will be likely to reapply particles removed in the first pass.

- 9 Attach the sensor unit again to the camera immediately after cleaning.
- 10 Capture a number of images.
- 11 Inspect the images.

If you still see spots on your images, you may have dust either on the inside of the IR filter or on the CMOS itself. Do as follows:



Caution!

Do not try to remove the glass IR filter from the front of the sensor (due to dust or similar). This can cause damage to the equipment. Always contact your local Hasselblad Authorized Service Center.

Contact your local Hasselblad Authorized Service Center.

User Guide for Hasselblad X1D

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