Medium format photography is about professionalism. Camera systems, their handling and captures have to be professional in quality.

Hasselblad understands this and always strives to deliver it; professionals know that too. The Hasselblad series of cameras consists of building new developments on the shoulders of the previous generation. In this way all the previous work-experience based and segment-demanding features are automatically included. So, just when you think things can't get much better, they do. And the A6D is that model - all the good things from before and then some!

The A6D heralds a step up that is noticeably greater than before. There are changes and many are ‘from the ground up’. The A6D provides a reliable connection to the fleeting environment of digital imaging technology so when the wind changes direction, the A6D remains as the safeguarding companion to provide support.

Today’s aerial photography is more demanding than ever and Hasselblad continues to rise to the occasion, introducing more and more advanced products and applications for this exciting segment. This is especially true of the Hasselblad A6D, the latest evolution of Hasselblad aerial cameras designed for these specialist applications.

The new camera has been developed to deliver the image quality and reliability required by our surveying and mapping customers. Listening to their feedback we have developed a camera to encompass these needs and much more.

Hasselblad’s best kept secret is knowing that every link in the chain that leads to the clients finished image has to reach a certain standard; it is that simple. That’s why Hasselblad puts so much time and energy into checking those almost endless behind-the-scenes details and standards because we understand this simple concept.

There is no magical formula to Hasselblad’s success other than an understanding of what is required to produce the best results available in the world today, and an acceptance that there are no short cuts in this process. Hasselblad does its best to produce the best; there is no other way to achieve the Hasselblad star quality.

The A6D has been designed to incorporate the latest technology available. The heart of the system is the 53.4 x 40.0 mm 100MP CMOS sensor delivering up to a staggering 15 stops dynamic range and 16 bit colour data. The system boasts an ISO range from 64 to 12800 and coupled with the top shutter speed of 1/4000th second allows the A6D huge flexibility to adapt to changing conditions whilst still delivering the image quality required.

Completed from the outset to be used in flexible configurations the A6D can be used as a stand alone single capture device or in grouped configurations for pod based survey needs. Up to 8 cameras can be triggered within 20 microseconds of each other to allow accurate image alignment with minimal overlap required. Note that only Aerial Lenses (locked for infinity) can be synchronized.

Completing the impressive specification, media storage is to CFast 2.0 or SDXC cards. Tethered capture is available via the USB 3.0 Type C port. To complete the family, the A6D is also available in NIR version, allowing both NIR and CIR photography.
**FIRMWARE UPDATES**
If you have registered your camera you should automatically receive e-mail informing you of the latest developments. Otherwise you are advised to make regular checks regarding firmware updates to the camera.

The aim is to ensure you have the latest firmware updates for camera, which naturally ensures the optimum in performance. When updating you should also study the accompanying ‘Release Notes’ or ‘Read Me’ files where you will find details about improvements, developments and changes.

**DISPOSAL**
This product must be put in municipal waste. Check local regulations for disposal.

Register your camera for regular news about the latest developments, updates, news, tips, and much else!

– [www.hasselblad.com](http://www.hasselblad.com) –
RESTRICTIONS AND RECOMMENDATIONS

Caution!
Be careful when you use the camera. The camera is a precision instrument. This will help prevent damage to the camera.

Caution!
Use protective covers as much as possible. The protective covers will help prevent damage to the equipment.

Caution!
Use a protective case or camera bag when you transport the equipment. This will help prevent damage to the equipment.

Caution!
Protect the equipment from oil fumes, steam, humid conditions and dust. This will help prevent damage to the equipment.

Caution!
Seal all equipment in a plastic bag or similar if you enter damp and humid condition from dry and cold condition. Wait until the equipment has acclimatized to the new temperature before you remove the equipment from bag. This will help prevent damage to the equipment.

Caution!
Avoid frequent and high temperature changes. This can cause damage to the equipment.

Caution!
Keep camera and equipment away from moisture. If your camera becomes wet, disconnect from electric power and let camera dry before further use. This will help prevent damage to the equipment.

Caution!
Store the equipment in a dry environment. This will help prevent damage to the equipment.

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

Caution!
Do not insert fingers into the camera body. This can cause damage to the equipment.

Caution!
Do not touch the CMOS Sensor with your fingers. The protective filter is very sensitive. This can cause damage to the equipment.

Caution!
Keep all equipment out of reach of small children. This will prevent damage to the equipment.

Caution!
Do not open the sensor unit. This can cause damage to the sensor unit.

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

Caution!
If you use canned compressed air to clean the glass of IR filter, be very carefully before use. This will help prevent damage to the filter.
DISPOSAL

This product must be put in municipal waste. Check local regulations for disposal.
CONTENTS

■ INTRODUCTION ................................................................. 2
  Firmware Updates ......................................................... 4
  Disposal ......................................................................... 4
  Restrictions and Recommendations ................................. 5
  Disposal ......................................................................... 6

■ GENERAL OVERVIEW ...................................................... 8
  Parts and Components – overview .................................... 9
  A6D Lens Range .............................................................. 10

■ GETTING STARTED .......................................................... 11
  Mounting the lens ........................................................... 12
  Attaching the lens shield .................................................. 12
  Attaching the adapter plate .............................................. 13
  Power Connection ........................................................... 13
  Synchronous connections ............................................... 13
  USB & link to Phocus or SDK based application .................. 13
  Saving images to a memory card ....................................... 13
  Attaching the USB cable Lock ......................................... 14

■ SETTINGS ................................................................. 15
  Navigating the Menus ...................................................... 16
  Overview of Menus and Settings on Sensor Unit ............... 16
  Touch Screen Navigation ............................................... 16
  Button Navigation .......................................................... 17
  The Main Menu ............................................................... 18
  Add Favourite Functions to Main Menu Screen ................. 18
  Remove Favourites from the Main Menu Screen ............... 19
  Display Control Screen .................................................. 19
  Settings on the Control Screen ........................................ 20
  Camera Settings Menu .................................................... 21
  Image Menu ................................................................... 21
  Quality Menu ................................................................. 22
  Video Settings Menu ........................................................ 23
  Quality Menu ................................................................. 23

Live View Menu ............................................................... 24
General Settings Menu ...................................................... 24
Display Menu .................................................................. 25
Storage Menu ................................................................. 26
Date & Time Menu .......................................................... 26
Power & Timeouts Menu .................................................. 27
Language Menu ............................................................... 27
Service Menu .................................................................. 28
About Menu .................................................................... 28

■ BROWSING IMAGES ......................................................... 29
  Preview Modes ............................................................... 30
  Standard Preview .......................................................... 31
  Browsing ....................................................................... 32
  Zoom in and out ............................................................ 33
  9 View Mode ................................................................. 34
  Folder View .................................................................... 34
  Card View ..................................................................... 35
  Create New Folder ........................................................ 36

■ CAMERA MAINTENANCE ............................................... 37
  Cleaning Sensor Unit & IR Glass ....................................... 38

■ TECHNICAL APPENDIX .................................................... 39
  A6D-100c Technical Specifications ................................... 40
  Lemo connector Signal Information .................................. 41
  Electrical Timings ........................................................... 43
  Coverage ....................................................................... 45
  Coverage vs altitude ....................................................... 45
  GSD vs altitude .............................................................. 45
  Physical Dimensions ....................................................... 46
  Accessories ................................................................... 50
  FCC Class A Notice for A6D-100c ..................................... 51
  FCC Caution ................................................................ 51
  Index .......................................................................... 52
PARTS AND COMPONENTS – OVERVIEW

- Storage Media cover
- Lens mount locking bolt
- Cover for External Connections
- Lens release button
- Mounting point
- USB3 socket
- Digital capture unit
- Control Connector B
- Control Connector A
- DC Power Connector
- Audio In
- Audio Out
- Flash Sync in
- Flash Sync out
- HDMI
- Menu button
- Soft button
- Select button
- Display button
- Browse button
A6D LENS RANGE

All 9 focal lengths below are available in aerial versions with secure locking mounts to minimise vibration, flexing and ensuring the image plane and sensor stay parallel at all times. These units ship with focus fixed at infinity and firmware to close the shutter and aperture to their working positions when power is applied to the camera. The lenses are also available in a version for NIR photography.

<table>
<thead>
<tr>
<th>Lenses</th>
<th>Angle of View (Diagonal)</th>
<th>Angle of View long side</th>
<th>Angle of View short side</th>
<th>Equivalent 35mm focal length</th>
<th>Dimensions Length x Diameter</th>
<th>Weight</th>
<th>Filter Thread</th>
<th>Item Number</th>
<th>Item Number NIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCD 4,8/24mm</td>
<td>104 Degrees</td>
<td>96 Degrees</td>
<td>80 Degrees</td>
<td>16mm</td>
<td>99mm x 100mm</td>
<td>810g</td>
<td>95mm</td>
<td>3014601</td>
<td>3014621</td>
</tr>
<tr>
<td>HCD 4/28mm</td>
<td>95 Degrees</td>
<td>87 Degrees</td>
<td>71 Degrees</td>
<td>19mm</td>
<td>102mm x 100mm</td>
<td>850g</td>
<td>95mm</td>
<td>3014602</td>
<td>3014622</td>
</tr>
<tr>
<td>HC 3,5/35mm</td>
<td>89 Degrees</td>
<td>75 Degrees</td>
<td>60 Degrees</td>
<td>24mm</td>
<td>124mm x 100mm</td>
<td>975g</td>
<td>95mm</td>
<td>3014603</td>
<td>3014623</td>
</tr>
<tr>
<td>HC 3,5/50mm-II</td>
<td>70 Degrees</td>
<td>56 Degrees</td>
<td>44 Degrees</td>
<td>34mm</td>
<td>116mm x 85mm</td>
<td>975g</td>
<td>77mm</td>
<td>3014604</td>
<td>3014624</td>
</tr>
<tr>
<td>HC 2,8/80mm</td>
<td>46 Degrees</td>
<td>37 Degrees</td>
<td>28 Degrees</td>
<td>55mm</td>
<td>70mm x 84mm</td>
<td>475g</td>
<td>67mm</td>
<td>3014605</td>
<td>3014625</td>
</tr>
<tr>
<td>HC 2,2/100mm</td>
<td>38 Degrees</td>
<td>30 Degrees</td>
<td>23 Degrees</td>
<td>67mm</td>
<td>80.5mm x 87.5mm</td>
<td>780g</td>
<td>77mm</td>
<td>3014606</td>
<td>3014626</td>
</tr>
<tr>
<td>HC 3,2/150N mm</td>
<td>26 Degrees</td>
<td>20 Degrees</td>
<td>15 Degrees</td>
<td>101mm</td>
<td>124mm x 86mm</td>
<td>970g</td>
<td>77mm</td>
<td>3014607</td>
<td>3014627</td>
</tr>
<tr>
<td>HC 4/210mm</td>
<td>19 Degrees</td>
<td>14 Degrees</td>
<td>11 Degrees</td>
<td>142mm</td>
<td>165mm x 85mm</td>
<td>1320g</td>
<td>77mm</td>
<td>3014608</td>
<td>3014628</td>
</tr>
<tr>
<td>HC 4,5/300mm</td>
<td>13 Degrees</td>
<td>10 Degrees</td>
<td>8 Degrees</td>
<td>196mm</td>
<td>198mm x 100mm</td>
<td>2120g</td>
<td>95mm</td>
<td>3014609</td>
<td>3014629</td>
</tr>
</tbody>
</table>

*Note: The Tripod Mount bracket and Rotation Lock must be removed before attaching the HC300 lens to the camera.*
**GETTING STARTED**

**MOUNTING THE LENS**

1. The A6D lens mount contains a locking mechanism that securely holds the lens in place with an even pressure all around the barrel.

2. To mount a lens, locate the red dot on the rear lens mount and ensure it is facing upwards. Insert the lens into the camera body and rotate clockwise until a click is heard.

3. Locate the lens mount locking bolt.

4. Insert the supplied 2.5mm Allen key into the bolt and rotate clockwise half a turn to engage the lens mount lock.

**ATTACHING THE LENS SHIELD**

There are six lens shields available depending on the lens in use. To mount the shield for the lens, simply offer up the shield to the outer lens mount and rotate the shield clockwise until the shield locks.

To mount the shield for the 35mm lens it is first necessary to mount the adaptor ring to the existing outer lens mount. This adaptor ring is held in place with 4 screws. Once this has been mounted, you can attach the lens and then mount the shield and secure it with a turn in the clockwise direction.

**NB:** Do not overtighten as damage to the lens mount may occur.
ATTACHING THE ADAPTER PLATE

1. To attach the A6D camera unit to an existing OEM camera mount point you will need the adapter plate (P1). This plate is attached to the camera body with 4 bolts. You must ensure that the plate is correctly oriented – please see the image below and align the plate correctly.

2. Secure the plate with the 4 supplied bolts, ensuring that you tighten them one turn at a time to provide even pressure. Once the plate is secure you can mount the lens. Attach the lens shield and the unit is now ready to mount in the camera pod using the existing P1 bolt layout.

POWER CONNECTION

The A6D camera unit is equipped with three LEMO connectors. The grey connector is the DC power connector. The unit requires a power source of 12-28 VDC to operate. This will normally be supplied via the aircraft power system.

NB: Correct voltage AND polarity must be applied to the power connection or damage to the camera will occur

SYNCHRONOUS CONNECTIONS

The remaining two connectors are used to synchronise additional daisy chained camera units so that all exposures take place within 20 microseconds of each other. The centre connector is the signal input and the right hand connector is the signal output for the next unit. Note that this requires Aerial Lenses (locked for infinity).

USB & LINK TO PHOCUS OR SDK BASED APPLICATION

Located on the left-hand side of the camera you will find the USB socket. Using the supplied cable and the cable lock ensures the connection will be securely locked. Once the connector is locked in place and the other end of the cable attached to your computer system, the camera should show as connected and camera controls should be configurable via Hasselblad Phocus software or your own application designed from the SDK.

SAVING IMAGES TO A MEMORY CARD

If you do not wish to transfer the captured images to a remote computer, the CFast or SD card slots are available to allow in camera storage.
ATTACHING THE USB CABLE LOCK

1. Insert the cable through the lock part and insert the cable into the USB port.

2. Attach the lock part and tighten the screws using the supplied 1.5mm Allen key. Note that it needs to be oriented correctly to fit.
NAVIGATING THE MENUS

OVERVIEW OF MENUS AND SETTINGS ON SENSOR UNIT
The Sensor Unit Menu can be controlled directly on the touch sensitive screen by pressing the menus and icons. You can scroll up, down and from left to right. You can also navigate the on screen menus by using the buttons and scroll wheels.
Note: Menu navigation is not possible when the camera is tethered and connected to Phocus.

TOUCH SCREEN NAVIGATION
The following gestures can be used to navigate and control the camera:

<table>
<thead>
<tr>
<th>Action</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swipe right</td>
<td>Move back / Move image right.</td>
</tr>
<tr>
<td>Swipe left</td>
<td>Move image left. Only in Browse mode.</td>
</tr>
<tr>
<td>Swipe down</td>
<td>Scroll / Display Control Screen.</td>
</tr>
<tr>
<td>Swipe up</td>
<td>Scroll / Hide Control Screen.</td>
</tr>
<tr>
<td>Tap / press</td>
<td>Select action / button / setting.</td>
</tr>
<tr>
<td>Double tap</td>
<td>Zoom in to 50% or 100%. Double tap again to Zoom out to full View.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Function</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select</td>
<td>Tap / Press with one finger.</td>
</tr>
<tr>
<td>Display Control Screen</td>
<td>Swipe down from the top of the screen.</td>
</tr>
<tr>
<td>Hide Control Screen</td>
<td>Swipe up.</td>
</tr>
<tr>
<td>Move back</td>
<td>Swipe right.</td>
</tr>
<tr>
<td>Zoom in</td>
<td>Spread (move two fingers apart).</td>
</tr>
<tr>
<td>Zoom out</td>
<td>Pinch (move two fingers together).</td>
</tr>
</tbody>
</table>
BUTTON NAVIGATION
By using the buttons on the sensor unit and the scroll wheels on the grip you can navigate through the various levels in the menu.

<table>
<thead>
<tr>
<th>Button</th>
<th>Screen function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Menu button</td>
<td>Back to Main Menu</td>
</tr>
<tr>
<td>2 Soft button</td>
<td>Up</td>
</tr>
<tr>
<td>3 Select button</td>
<td>Select</td>
</tr>
<tr>
<td>4 Soft button</td>
<td>Down</td>
</tr>
<tr>
<td>5 Browse button</td>
<td>Go to image browse</td>
</tr>
</tbody>
</table>
THE MAIN MENU

The Main Menu consists of two areas:

One bottom row with the three Main Menu items:

1 Camera Settings.
2 Video Settings.
3 General Settings.

The area to the right (4) shows the Favourite Settings Shortcuts. You can add Shortcuts to access your most used functions directly from the Main Menu for better workflow. Shortcuts can also be deleted and replaced by other Favourite Settings.

ADD FAVOURITE FUNCTIONS TO MAIN MENU SCREEN
Add a favourite function by selecting the + icon (A) on the Main Menu.
Select any of the function in the pop up menu (B). In this case Quality is selected.
**REMOVE FAVOURITES FROM THE MAIN MENU SCREEN**

To remove a function from the Main Menu, press and hold the selected functions icon until an encircled x (A) appears.

Press the x within an orange circle (A) to remove the Language short-cut.

**DISPLAY CONTROL SCREEN**

From any screen you can swipe down to display the Control Screen. Swipe down by starting on the upper part of the Sensor Unit Display near the top edge.

The Control Screen displays the current Settings of the camera. The Control Screen is interactive, select any of the settings to make a quick adjustment.

Swipe Up to hide the Control Screen and display the Main Menu.

The Main Menu appears.

See following pages for possible settings.
SETTINGS ON THE CONTROL SCREEN

The Control screen is a quick way to adjust settings. Tap / Select the desired function and change the setting directly in the Control Screen.

White Balance (1)
- Cloudy.
- Shade.
- Daylight.
- Tungsten.
- Fluorescent.
- Flash.

ISO (2)
- Select ISO value.

Aperture (3)
- Select Aperture value.

Shutter Speed (4)
- Select Shutter Speed value.

Exposure Mode (5)
- V Video
MAIN MENU > CAMERA SETTINGS

Press the Camera icon on the Sensor Unit display. The Camera Settings Menu appears.

Swipe right or press MENU button to get back to Main Menu.

Image Orientation

Selects the rotation of the image. For Aerial use, it is best to choose one of the fixed rotations. Choose from:

- 0°, 90°, 180°, 270° or Auto
QUALITY MENU

MAIN MENU > CAMERA SETTINGS > QUALITY

**Image Format**
Choose which image formats to save to card.

- **RAW** or **RAW + JPG**. In addition to the RAW file, also a 12.5 MPixel JPG is saved to the card.

**JPG Quality**
If RAW + JPG is selected in the menu above, this option is available and controls the quality of the JPG file.

- **High** or **Normal**

**Color Profile**
If RAW + JPG is selected in the menu above, this option is available and selects which color profile to embed in the JPG.

- **sRGB** or **Adobe**

**Bit Depth**
Selects the bit depth of the RAW file.

- **16 bit** or **14 bit** (16 bit mode will lower the capture rate of the camera)

MAIN MENU > CAMERA SETTINGS > LIVE VIEW

**Start**
Press this button to start Live View

**MF Assist**
Select if Focus Peaking should be used in manual Focus.

- **Focus Peaking** or **None**

**Peaking Color**
Choose which color to use for Focus Peaking.

- **Orange, Yellow, Cyan** or **Magenta**

**Zoom Level**
Select Zoom-in level in live view.

- **100%** or **50%**
MAIN MENU > VIDEO SETTINGS

Press the Camera icon on the Sensor Unit display.
The Video Settings Menu appears.

Swipe right or press MENU button to get back to Main Menu.

QUALITY MENU

MAIN MENU > VIDEO SETTINGS > QUALITY

Quality
Select quality for video recording.

- **H.264 (HD)** or **RAW (UHD)**. Note that RAW video requires a CFast storage media.

H.264 Resolution
Choose resolution for H.264 video.

- **720** or **1080**
MAIN MENU > VIDEO SETTINGS > Live View

**Overlay**
Selects a one-thirds grid overlay.

- **Grid** or **None**.
MAIN MENU > GENERAL SETTINGS

Press the Camera icon on the Sensor Unit display.
The General Settings Menu appears.

Swipe right or press MENU button to get back to Main Menu.

MAIN MENU > GENERAL SETTINGS > DISPLAY

**Brightness**
- Use slider to set brightness for the rear display.

**Show Preview**
- Check this box to show a preview on the rear display after a capture.
**STORAGE MENU**

General Settings Menu

- Display
- Storage
- Date & Time
- Power & Timeouts
- Language
- Service
- About

**GENERAL SETTINGS: STORAGE**

**Format Card**

Format the CFast card.

**Format SD**

Format the SD card.

**Primary Slot**

Select which media that should be primary

**Secondary Slot Usage**

Selects how to use the secondary slot

- None
- Overflow. Continue on secondary card when primary card is full

---

**DATE & TIME MENU**

General Settings Menu

- Display
- Storage
- Date & Time
- Power & Timeouts
- Language
- Service
- About

**GENERAL SETTINGS: DATE & TIME**

**Date**

Set the date by touching the numbers.

**Time**

Set the current time by touching the numbers.

**Date:** 2017-10-02

**Time:** 12:50
POWER & TIMEOUTS MENU

General Settings Menu
- Display
- Storage
- Date & Time
- Power & Timeouts
- Language
- Service
- About

MAIN MENU > GENERAL SETTINGS > POWER & TIMEOUTS

Display Off
Sets the active time for the rear display.
- 3, 5, 10, 20, 30 or 60 seconds or Never

Power Off
Sets the time after which the camera will turn off automatically. Please note that if the camera has turned off automatically, the power cable must be removed and re-inserted.
- 5, 10 or 30 minutes or Never

LANGUAGE MENU

General Settings Menu
- Display
- Storage
- Date & Time
- Power & Timeouts
- Language
- Service
- About

MAIN MENU > GENERAL SETTINGS > LANGUAGE

Language
Selects active language.
- English, Spanish, French, German, Italian, Swedish, Russian, Japanese, Chinese and Korean
**SERVICE MENU**

- **Display**
- **Storage**
- **Date & Time**
- **Power & Timeouts**
- **Language**
- **Service**
- **About**

**SERVICE SETTINGS MENU**

- **Firmware Update**
  - **Check for Update**
- **Log Data**
  - **Save**
- **Default Settings**
  - **Reset all Settings**
- **File Counter**
  - **Reset**

**MAIN MENU > GENERAL SETTINGS > SERVICE**

- **Check for Update**
  - Press this button to locate an update file on any of the memory cards.

- **Log Data – Save**
  - Save a log file to the primary memory card.

- **Reset all Settings**
  - Return the camera to factory default. Note: all settings in the camera are reset.

- **File Counter – Reset**
  - Reset the file counter to start from B0000001. **Note:** Please format the card before using this function.

**ABOUT MENU**

- **Display**
- **Storage**
- **Date & Time**
- **Power & Timeouts**
- **Language**
- **Service**
- **About**

**MAIN MENU > GENERAL SETTINGS > ABOUT**

- **Firmware:** v1.19.0-18
- **Lens Firmware:** v0.5.13
- **Serial number:** AR36001234

- **Licenses**
  - Shows a list of licenses used in this product.

- **Usage**
  - Shows the number of captures made by the camera body and lens.
PREVIEW, HISTOGRAM AND BROWSING

PREVIEW MODES
Use the Rear Scroll Wheel or the button marked with a rectangle to scroll through the available Preview Modes when in Browse Mode. You can also single tap on the bottom of the image to change Preview Mode.

- **Standard Preview**: Displays a Preview Image with the most important settings. Note that the information covers some of the image. Go to Full Screen mode to see the complete Capture area.
- **Full Screen Preview**: Displays the preview only with no frame or settings information.
- **Capture Details Mode**: Displays a Preview Image with camera settings details in a layer in front of the Preview Image.
- **Combined Histogram**: Displays a Preview Image with a combined histogram of the three components red, green and blue.
- **Separate Histogram**: Displays three separate histograms for red, green and blue.
- **Luminance Histogram**: Displays a Preview Image with a Luminance Histogram.

**Note!**
A single tap above the Meta Data toggles overlay information on and off.
**STANDARD PREVIEW**

The Standard Preview is displayed when you first turn the camera on and is probably the view you will use most often.

Displays a preview of your most recent capture and basic information about the settings.

1. Card (S for SD)
2. Capture Date
3. Capture Time
4. Aperture (f/8)
5. Shutter Speed (60)
6. ISO Setting (100)
7. +/- Exposure Adjust Indicator
**BROWSING**

Browse mode shows the last image. The user can review images, browse and zoom. Use zoom in to view close-ups of images for focus checking. Zoom out to view several images at once.

Press Play button (A) to enter Browse mode.

In Browse mode swipe right or left on the Sensor Unit display to browse captures.

Captures can be deleted with the Soft Button (B).
**ZOOM IN AND OUT**

The Touch Screen on the A6D Sensor Unit is similar to a Phone or Tablet with touch sensitivity. The following gestures can be used to navigate and control the A6D Camera:

<table>
<thead>
<tr>
<th>Function</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zoom in</td>
<td>Spread (move two fingers apart).</td>
</tr>
<tr>
<td>Zoom out</td>
<td>Pinch (move two fingers together).</td>
</tr>
<tr>
<td>Select</td>
<td>Tap / Press with one finger.</td>
</tr>
<tr>
<td>Move back</td>
<td>Swipe right.</td>
</tr>
<tr>
<td>Display Control Screen</td>
<td>Swipe down from the top of the screen.</td>
</tr>
<tr>
<td>Hide Control Screen</td>
<td>Swipe up.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Action</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double Tap</td>
<td>Zoom in to 100%. Double Tap again to Zoom out to full View.</td>
</tr>
<tr>
<td>Swipe Right</td>
<td>Move back / Move image right.</td>
</tr>
<tr>
<td>Swipe Left</td>
<td>Move image left. Only in Browse mode.</td>
</tr>
<tr>
<td>Swipe Down</td>
<td>Display Control Screen.</td>
</tr>
<tr>
<td>Swipe Up</td>
<td>Hide Control Screen.</td>
</tr>
<tr>
<td>Tap / Press</td>
<td>Select action / button / setting.</td>
</tr>
</tbody>
</table>
**9 VIEW MODE**

9 View Mode displays an overview of up to 9 captures. Scroll down to display all Captures in the Folder. Press the star marked button under the Touch Display or Pinch with two fingers, to display 9 View Mode when browsing captures.

**FOLDER VIEW**

On the Touch Display when in 9 View Mode, select the “Folder Up” button (A) in the top left corner to enter Folder View.

Folder View displays the list of folders on the memory card. Navigate to another folder and then zoom in to reveal its contents if desired.
**CARD VIEW**

Card View (2) lets you select which memory card to browse.

On the Touch Display when in Folder View (1), select the “Folder Up” button (A) in the top left corner.

In Card View (2), tap the card you wish to browse. The folder view of the selected card will be shown (3). Tap the folder you wish to browse and the 9-view will be shown for that folder (4). Finally tap the image to show in Standard Preview (5).
CREATE NEW FOLDER

It is possible to create a new folder on the currently active memory card. When a new folder is created, all new images will be stored in that folder. The folder name is auto-generated and cannot be changed.

It is not possible to store images in a previous folder.

When viewing one image, pinch inwards to go to the 9 images view.

In the 9 images view - Press the “Folder Up” button in the top left corner to go to folders.

In the folders view - Press the “Add folder” button (A) in the top right corner to create a new folder.

In the Create Folder dialogue (B), choose Create to create a new folder or Exit to skip.

Note!

It is only possible to create a new folder on the currently active card. When browsing the other card, the “Add Folder” icon will not be available.
CAMERA MAINTENANCE

CLEANING SENSOR UNIT & IR GLASS
If you see dark or colored spots or lines in your images, then you may need to clean the outer surface of the sensor unit’s infrared (IR) filter. In most cases, the careful use of compressed air will be adequate though if you use canned compressed air, read the instructions very carefully before use to avoid spraying impurities or even ice on the filter! Sometimes, however, small particles will get stuck to the surface of the IR filter, requiring for a more thorough cleaning, involving either fluid or swab wipes.

1. If compressed air did not remove all the problems on the filter, then use a long-handled swab style wipe (swab style wipes are recommended due to the distance from the lens mount to the sensor surface).

2. Ensure that the swab matches the width of the IR filter (if possible).

3. Apply firm pressure at the edge of the swab to ensure an even, firm contact with filter surface. Wipe the surface in one unbroken motion.

4. Finally check if the IR filter has been properly cleaned either by visual inspection by making a test capture. If further cleaning is needed, repeat cleaning procedure.
### A6D-100C TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor Type</td>
<td>CMOS, 100 mega pixels (11600 x 8700 pixels, 4.6 x 4.6 µm)</td>
</tr>
<tr>
<td>Sensor Dimensions</td>
<td>53.4 x 40.0mm</td>
</tr>
<tr>
<td>Image Size</td>
<td>Stills: RAW 3FR capture 211MB on average. TIFF 8 bit: 289MB; Video: HD (1920 x 1080p), UHD (3840 x 2160p)</td>
</tr>
<tr>
<td>File Format</td>
<td>Stills: Hasselblad 3FR, JPEG (12.5 Mpixel)</td>
</tr>
<tr>
<td></td>
<td>Video: Hasselblad RAW (UHD, 25 fps), H.264 Compressed (HD, 25 fps)</td>
</tr>
<tr>
<td>Shooting Mode</td>
<td>Single shot stills, Video</td>
</tr>
<tr>
<td>Colour Definition</td>
<td>16 bit. Dynamic range up to 15 stops</td>
</tr>
<tr>
<td>ISO Speed Range</td>
<td>ISO: 64, 100, 200, 400, 800, 1600, 3200, 6400, 12800</td>
</tr>
<tr>
<td>Colour Management</td>
<td>Hasselblad Natural Colour Solution, HNCS</td>
</tr>
<tr>
<td>Lenses</td>
<td>Any H System lens. Focus locked at infinity on request. See &quot;A6D Lens Range&quot; on page 10</td>
</tr>
<tr>
<td>Focusing</td>
<td>Manual or Focus locked at infinity</td>
</tr>
<tr>
<td>Storage Options</td>
<td>CFast 2.0 card, SD card (UHS-I) or tethered to Mac or PC</td>
</tr>
<tr>
<td>Capture Rate (Based on SanDisk Extreme PRO CFAST 2.0 Memory Card)</td>
<td>60 Captures per minute.</td>
</tr>
<tr>
<td>Storage Capacity</td>
<td>128GB card holds 576 images on average</td>
</tr>
<tr>
<td>IR Filter</td>
<td>Mounted in front of sensor. NIR Option on request, CIR prepared.</td>
</tr>
<tr>
<td>Software</td>
<td>Phocus for Mac and Windows. Phocus SDK for Windows available on request.</td>
</tr>
<tr>
<td>Platform Support</td>
<td>Macintosh: maxOS version 10.11 or later; PC: Windows 7 / 8 / 10 or later (64 bit)</td>
</tr>
<tr>
<td>Host Connection Type</td>
<td>USB 3.0 (5 Gbit/s) Type-C connector</td>
</tr>
<tr>
<td>Additional Connections</td>
<td>LEMO type connectors for power and camera control. Mini HDMI, Audio In/Out, Flash sync In/Out</td>
</tr>
<tr>
<td>Tethered Operation</td>
<td>Supported in Phocus and Phocus SDK</td>
</tr>
<tr>
<td>Shutter Speed Range</td>
<td>0.5 sec to 1/4000 sec (only with Aerial Leses)</td>
</tr>
<tr>
<td>Exposure Metering</td>
<td>None</td>
</tr>
<tr>
<td>Power Supply</td>
<td>12-28 VDC required via LEMO connector</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10 - 45 °C / 14 - 113 °F</td>
</tr>
<tr>
<td>Dimensions</td>
<td>100 x 100 x 151mm [W x H x D] Complete camera with HC80mm lens</td>
</tr>
<tr>
<td>Weight (Body and sensor unit only)</td>
<td>1360g</td>
</tr>
<tr>
<td>Approval</td>
<td>FCC (Class A), CE, RoHS, DO-160 section 8 - 15 - 20 and 21</td>
</tr>
</tbody>
</table>
LEMO CONNECTOR SIGNAL INFORMATION

POWER CONNECTOR
Voltage Limit

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Symbol</th>
<th>Value</th>
<th>Unit (DC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum input voltage</td>
<td>VSOH</td>
<td>28</td>
<td>V</td>
</tr>
<tr>
<td>Minimum input voltage</td>
<td>VSOH</td>
<td>12</td>
<td>V</td>
</tr>
</tbody>
</table>

CURRENT LIMIT
The Power + signal will conform to the following current requirements:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Symbol</th>
<th>Value</th>
<th>Unit (DC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Typically average current consumption</td>
<td>ICCA</td>
<td>1000</td>
<td>mA</td>
</tr>
<tr>
<td>for Power +</td>
<td>ICCP</td>
<td>2500</td>
<td>mA</td>
</tr>
<tr>
<td>Typically peak power consumption</td>
<td>ICCP</td>
<td>25</td>
<td>Watt</td>
</tr>
</tbody>
</table>

It is recommended to use a Class II double insulated power supply, or a power limited external battery. The source should always be limited to a output power of no more than 100 watts in total.

CONNECT OR PIN NO.

<table>
<thead>
<tr>
<th>Signal Name</th>
<th>Power cable wire colour</th>
<th>Signal description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 GND</td>
<td>White</td>
<td>Power GND (-)</td>
</tr>
<tr>
<td>2 VCC</td>
<td>Brown</td>
<td>Main power (+)</td>
</tr>
</tbody>
</table>

MALE PLUG PIN-OUT
The below illustration shows the connectors pin-out seen from the solder side of the male plug.

CONTROL CONNECTOR A & B
The below table shows the connectors pin numbers, signal names and signal direction in the control connector.

<table>
<thead>
<tr>
<th>Connect or pin no.</th>
<th>Control cable</th>
<th>Signal name</th>
<th>Signal description</th>
<th>Direction</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>White</td>
<td>CL</td>
<td>Reserved for future use</td>
<td>InOut</td>
<td>I/O</td>
</tr>
<tr>
<td>2</td>
<td>Brown</td>
<td>CH</td>
<td>Reserved for future use</td>
<td>InOut</td>
<td>I/O</td>
</tr>
<tr>
<td>3</td>
<td>Green</td>
<td>Vsys -</td>
<td>0 VDC Logic Supply</td>
<td>-</td>
<td>POWER</td>
</tr>
<tr>
<td>4</td>
<td>Yellow</td>
<td>Vsys +</td>
<td>+ 5 VDC Logic Supply</td>
<td>-</td>
<td>POWER</td>
</tr>
<tr>
<td>5</td>
<td>Grey</td>
<td>RX</td>
<td>Serial channel, RX signal</td>
<td>Input</td>
<td>CMOS</td>
</tr>
<tr>
<td>6</td>
<td>Pink</td>
<td>TRIG</td>
<td>Trig Camera</td>
<td>Input</td>
<td>CMOS</td>
</tr>
<tr>
<td>7</td>
<td>Blue</td>
<td>- BUSY</td>
<td>Camera Busy</td>
<td>Output</td>
<td>OC</td>
</tr>
<tr>
<td>8</td>
<td>Red</td>
<td>INTERNAL</td>
<td>Reserved</td>
<td>InOut</td>
<td>-</td>
</tr>
<tr>
<td>9</td>
<td>Black</td>
<td>- EXPOSE</td>
<td>Shutter Open</td>
<td>Output</td>
<td>OC</td>
</tr>
<tr>
<td>10</td>
<td>Purple</td>
<td>TX</td>
<td>Serial channel, TX signal</td>
<td>Output</td>
<td>CMOS</td>
</tr>
<tr>
<td>Shield</td>
<td>GROUND</td>
<td>GROUND</td>
<td>Chassis ground</td>
<td>Camera**-External flash</td>
<td>-</td>
</tr>
</tbody>
</table>
### VOLTAGE LIMIT

The VSYS+ signal will conform to the following voltage requirements:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Symbol</th>
<th>Value</th>
<th>Unit (DC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum output voltage</td>
<td>VOH</td>
<td>5.25</td>
<td>V</td>
</tr>
<tr>
<td>Minimum output voltage</td>
<td>VOH</td>
<td>4.75</td>
<td>V</td>
</tr>
</tbody>
</table>

### CURRENT LIMIT

The VSYS+ signal will conform to the following current requirements:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Symbol</th>
<th>Value</th>
<th>Unit (AC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peak current consumption for VSYS+</td>
<td>ICC</td>
<td>40</td>
<td>mA</td>
</tr>
</tbody>
</table>

### VOLTAGE LIMIT

The electrical definition of signal type “CMOS” will be according to the limits specified below:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Symbol</th>
<th>Value</th>
<th>Unit (DC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H level output voltage (min)</td>
<td>VIH</td>
<td>3.5</td>
<td>V</td>
</tr>
<tr>
<td>L level input voltage (max)</td>
<td>VIH</td>
<td>1.5</td>
<td>V</td>
</tr>
</tbody>
</table>

### CURRENT LIMIT

The electrical definition of signal type “OC” will be according to the limits specified below:

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Symbol</th>
<th>Value</th>
<th>Unit (DC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>H level output voltage (max)</td>
<td>VOH</td>
<td>VSYS+</td>
<td>V</td>
</tr>
<tr>
<td>Pull-up impedance</td>
<td>R</td>
<td>10</td>
<td>Kohm</td>
</tr>
<tr>
<td>L level output voltage (max @ IOL)</td>
<td>VOL</td>
<td>0.4</td>
<td>V</td>
</tr>
<tr>
<td>L level output current</td>
<td>IOL</td>
<td>20.0</td>
<td>mA</td>
</tr>
</tbody>
</table>

### TRIG, -EXP and -BUSY timing relationship

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Symbol</th>
<th>Value</th>
<th>Unit (AC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rise time (max)</td>
<td>tR</td>
<td>1.0</td>
<td>µs</td>
</tr>
<tr>
<td>Fall time (max)</td>
<td>tF</td>
<td>1.0</td>
<td>µs</td>
</tr>
<tr>
<td>TRIG pulse width (min)</td>
<td>tTRIG</td>
<td>10</td>
<td>ms</td>
</tr>
<tr>
<td>Expose start (min)</td>
<td>tSTART</td>
<td>100</td>
<td>µs</td>
</tr>
<tr>
<td>Expose start (max)</td>
<td>tSTART</td>
<td>1</td>
<td>ms</td>
</tr>
<tr>
<td>BUSY start (min)</td>
<td>tBUSY</td>
<td>0</td>
<td>ms</td>
</tr>
<tr>
<td>BUSY start (max)</td>
<td>tBUSY</td>
<td>200</td>
<td>ms</td>
</tr>
<tr>
<td>ACTIVE time (min)</td>
<td>tACT</td>
<td>1000</td>
<td>ms</td>
</tr>
<tr>
<td>ACTIVE time (max)</td>
<td>tACT</td>
<td>∞</td>
<td>s</td>
</tr>
<tr>
<td>Mid expose pulse width (typ)</td>
<td>tMID</td>
<td>5</td>
<td>ms</td>
</tr>
</tbody>
</table>
**ELECTRICAL TIMINGS**

The electrical timing when using **EXPOSE** signal as mid exposure indicator:

- t<sub>TRIG</sub>
- t<sub>EXP</sub>
- t<sub>MID</sub>
- t<sub>ACT</sub>
- t<sub>BUSY</sub>
The electrical timing when using **EXPOSE** signal as full indicator:

- **t_{BUSY}**: Duration from the start of the exposure to the start of the BUSY signal.
- **t_{TRIG}**: Time from the beginning of the TRIG signal to its end.
- **t_{EXP}**: Exposure time.
- **t_{START}**: Start time of the exposure.
- **t_{ACT}**: Duration from the start of the BUSY signal to the end of the exposure.
COVERAGE

COVERAGE VS ALTITUDE
The diagram below shows the ground coverage for the width of the image as a function of altitude.

GSD VS ALTITUDE
The diagram below shows the Ground Sample Distance as a function of altitude.
PHYSICAL DIMENSIONS

(26.0) (123.8)
PHYSICAL DIMENSIONS

(14.0) (10.0) (14.0) (21.25)

3x 3/8” - 16

3x 1/4” - 20 (6x Ø5.2)

(14.0) (14.0) (10.0) (26.0)
PHYSICAL DIMENSIONS

(Ø 107.0)
Outer diameter of lens tube for HCD24, HCD28, HC35 and HC300

(Ø 98.0)
Outer diameter of lens tube for HC50, HC80, HC100, HC150 and HC210
## PHYSICAL DIMENSIONS

Total Length (See table below)

<table>
<thead>
<tr>
<th>Lens</th>
<th>Tube Diameter</th>
<th>Total Length</th>
<th>Requires Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>HCD24</td>
<td>107 mm</td>
<td>221.0 mm</td>
<td>Yes</td>
</tr>
<tr>
<td>HCD28</td>
<td>107 mm</td>
<td>221.0 mm</td>
<td>Yes</td>
</tr>
<tr>
<td>HC35</td>
<td>107 mm</td>
<td>247.5 mm</td>
<td>Yes</td>
</tr>
<tr>
<td>HC50-II</td>
<td>98 mm</td>
<td>248.0 mm</td>
<td>No</td>
</tr>
<tr>
<td>HC80</td>
<td>98 mm</td>
<td>205.0 mm</td>
<td>No</td>
</tr>
<tr>
<td>HC100</td>
<td>98 mm</td>
<td>205.0 mm</td>
<td>No</td>
</tr>
<tr>
<td>HC150</td>
<td>98 mm</td>
<td>248.0 mm</td>
<td>No</td>
</tr>
<tr>
<td>HC210</td>
<td>98 mm</td>
<td>293.0 mm</td>
<td>No</td>
</tr>
<tr>
<td>HC300</td>
<td>107 mm</td>
<td>322.5 mm</td>
<td>Yes</td>
</tr>
</tbody>
</table>
The following accessories are available for the A6D:

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Item Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control Cable</td>
<td>3014532</td>
</tr>
<tr>
<td>Power Cable</td>
<td>3014525</td>
</tr>
<tr>
<td>Multi Sync Cable</td>
<td>3014533</td>
</tr>
<tr>
<td>Hand Release Cable</td>
<td>3014534</td>
</tr>
<tr>
<td>USB3 Cable, Type C - Type A, 2 m</td>
<td>3054177</td>
</tr>
<tr>
<td>Lens Protection Tube for 24mm Lens</td>
<td>3014506</td>
</tr>
<tr>
<td>Lens Protection Tube for 28mm Lens</td>
<td>3014506</td>
</tr>
<tr>
<td>Lens Protection Tube for 35mm Lens</td>
<td>3014521</td>
</tr>
<tr>
<td>Lens Protection Tube for 50mm Lens</td>
<td>3014522</td>
</tr>
<tr>
<td>Lens Protection Tube for 80 &amp; 100mm Lens</td>
<td>3014523</td>
</tr>
<tr>
<td>Lens Protection Tube for 150mm Lens</td>
<td>3014522</td>
</tr>
<tr>
<td>Lens Protection Tube for 210mm Lens</td>
<td>3014507</td>
</tr>
<tr>
<td>Lens Protection Tube for 300mm Lens</td>
<td>3014508</td>
</tr>
<tr>
<td>Adaptor Plate (P1)</td>
<td>3014520</td>
</tr>
<tr>
<td>Hardcase</td>
<td>3014631</td>
</tr>
</tbody>
</table>

1) Included as standard accessories with the A6D
FCC NOTICE

FCC CLASS A NOTICE FOR A6D-100C
This A6D-100c has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if it is not installed and used in accordance with the instruction manual, it may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

FCC CAUTION
Any changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate this equipment.

DISCLAIMER
Victor Hasselblad AB assumes no responsibility or liability for any errors or inaccuracies that may appear in this User Guide.

Victor Hasselblad AB assumes no responsibility or liability for loss or damage incurred during, or as a result of using Hasselblad software or products.
INDEX

Symboler
9 View Mode .................. 34
A
About Menu .................. 28
Accessories .................. 51
Adapter plate .................. 13
Approval .................. 40
B
Browse button .................. 9
Browsing .................. 32
Button Navigation .................. 17
C
Cable Lock .................. 14
Camera Settings Menu .................. 21
Capture Details Mode .................. 30
Capture Rate .................. 40
Card View .................. 35
Cleaning .................. 38
Colour Definition .................. 40
Colour Management .................. 40
Combined Histogram .................. 30
Control connector A .................. 9
Control Connector A & B .................. 41
Control connector B .................. 9
Control Screen .................. 19
Coverage vs altitude .................. 45
Cover for External Connections .................. 9
Create New Folder .................. 36
Current limit .................. 42
D
Date & Time Menu .................. 26
DC Power connector .................. 9
Delete Captures .................. 32
Digital capture unit .................. 9
Dimensions .................. 40
Display button .................. 9
Display Menu .................. 25
Disposal .................. 4
E
Electrical Timings .................. 43
Exposure Metering .................. 40
F
Favourite Functions .................. 18
FCC Class A Notice for A6D-100c .................. 51
File Format .................. 40
Firmware Update .................. 28
Firmware Updates .................. 4
Focal lengths .................. 10
Focusing .................. 40
Folder View .................. 34
Format .................. 26
Full Screen Preview .................. 30
G
General Settings Menu .................. 25
GSD vs altitude .................. 45
H
Host Connection Type .................. 40
Image Menu .................. 21
Image Orientation .................. 21
Image Size .................. 40
IR Filter .................. 40
ISO Speed Range .................. 40
L
Language Menu .................. 27
Lemo connector .................. 41
Lenses .................. 10, 40
Lens mount locking bolt .................. 9
Lens release button .................. 9
Lens shield .................. 9, 12
Live View Menu (Video) .................. 24
Luminance Histogram .................. 30
M
Main Menu .................. 18
Menu button .................. 9
Mid exposure .................. 43
Mounting point .................. 9
Mounting the lens .................. 12
N
Navigating the Menus .................. 16
O
Operating Temperature .................. 40
Overlay .................. 24
P
Parts and Components .................. 9
Physical Dimensions ... 46, 47, 48, 49
Platform Support .................. 40
Plug Pin-out .................. 41
Power Connection .................. 13
Power Connector .................. 41
Power Supply .................. 40
Power & Timeouts Menu .................. 27
Preview Modes .................. 30
Q
Quality Menu (Image) .................. 22
Quality Menu (Video) .................. 23

A6D User Manual

52