

Valley
Media
Works



PANASONIC AG-HMC150P QUICK START GUIDE



CAMERA BAG CONTENTS:

AG-HMC150P PANASONIC CAMERA
AC POWER SUPPLY CORDS/ DC CORD
BATTERY CHARGER/ POWER ADAPTER
LENS HOOD CAP
LENS CLOTH
WHITE BALANCE SHEET

GETTING STARTED:

After putting the camera onto the tripod (stabilizer), attach either a battery or power adapter.



Put the SD Chip into the bay/slot at the rear of the camera



The SD Chip bay/slot is located at the rear of the camera.



Open, by pushing the door to the left, then gently pulling down on the door.



Push your card into the slot, then close the door, in the reverse order that you opened the door.

To remove/swap the card:

1. turn off the camera.
2. Open the card door.
3. Push lightly on the card to 'pop' it out.
4. Remove the card by gently pulling on the piece now sticking out.

NOTE

Do not open the card door when the camera is on.

If you need to swap cards:

1. Stop recording.
2. Turn off the camera.
3. Swap cards.

Turn on the camera.



Camera **Off** Position.



Camera **On** Position.



BASIC CAMERA SETUP:

Enter the Menus, and setup the camera

First, setup the format that you want to record your production at.

SD Memory Card recording times

Total available recording times (approx.) when using SD/SDHC Memory Cards manufactured by Panasonic

SD Memory Card capacity	Recording mode			
	PH*1 (Highest quality mode*3/ 1920 × 1080 pixels or 1280 × 720 pixels)	HA*1 (High quality mode/ 1920 × 1080 pixels)	HG*2 (Standard quality mode/ 1920 × 1080 pixels)	HE*2 (Long duration mode/ 1440 × 1080 pixels)
512 MB	Approx. 2 min	Approx. 3 min	Approx. 4 min	Approx. 10 min
1 GB	Approx. 5 min	Approx. 7 min	Approx. 9 min	Approx. 21 min
2 GB	Approx. 10 min	Approx. 15 min	Approx. 20 min	Approx. 45 min
4 GB	Approx. 21 min	Approx. 30 min	Approx. 40 min	Approx. 90 min
6 GB	Approx. 33 min	Approx. 45 min	Approx. 60 min	Approx. 135 min
8 GB	Approx. 45 min	Approx. 60 min	Approx. 80 min	Approx. 180 min
12 GB	Approx. 65 min	Approx. 90 min	Approx. 120 min	Approx. 270 min
16 GB	Approx. 90 min	Approx. 120 min	Approx. 160 min	Approx. 360 min
32 GB	Approx. 180 min	Approx. 240 min	Approx. 320 min	Approx. 720 min

*1 Use an SD memory class of SD speed class 4 or above when recording on PH mode or HA mode.

Recording cannot be completed on SD Memory Cards of lower speed classes.

*2 Use an SD memory class of SD speed class 2 or above when recording in HG mode or HE mode.

Recording cannot be completed on SD Memory Cards of lower speed classes.

*3 This is the highest quality mode of this camera.

- This camera uses the VBR recording system. "VBR" stands for Variable Bit Rate, and it refers to a system in which the bit rate (volume of data per given time period) varies automatically depending on the subject which is being shot. This means that the recording times will be shorter when fast-moving subjects have been recorded.
- Times displayed include time needed for processing, etc. – actual available recording times will be slightly shorter.

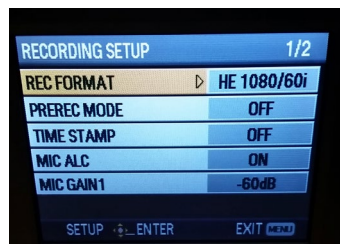
Use the Menu Button to call up the menus.

Use the toggle stick to navigate through the menus.

Up, Down - Move through the Main menus

Left, Right - Move into sub menu

Push toggle stick in to select a function

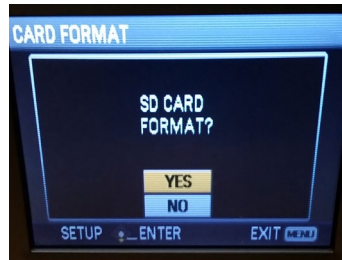
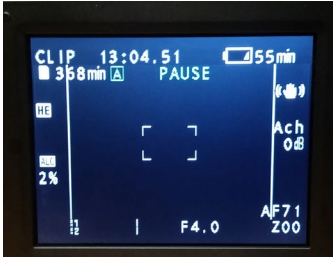


Our Default recording format is: HE 1080/60i.
This allows a 8GB chip to record up to 180min.

Format the SD Chip.

Formatting the SD Chip must be done everytime, it allows the camera to write the necessary files to the chip. It also makes sure that there is room on the card for the production.

Formatting erases all content on the SD Chip, be sure to use a card that you are not storing information on.



Push MENU to Exit the menu screens.



FOCUS SETTING:



Check the focus setting.

Automatic (A) will focus on the closest object in the center of the field of view.

Manual (M) will allow the user to focus the camera using the outer ring when the ring selection switch is set to FOCUS.



In this picture, the Outer ring on the camera would control the IRIS.

WHITE BALANCE:



At the front of the camera, just underneath the lens, you will find the Auto White Balance (AWB) button.

Point your camera at a white source, zoom in to fill the frame, then hold the AWB button down.

When you see ABB ACTIVE, the white balance has been set.

IRIS CONTROL:



Pushing the Iris button will switch between Manual Iris and Auto Iris.

Auto Iris will set the camera to automatically adjust the iris depending upon the light available within the field of view.

Manual Iris will allow you to adjust the iris.



When in Manual Iris mode, the wheel to the left of the button will control the iris.

Setting the Iris - Zebra Stripes

Zebra stripes appear on areas of the image that are overexposed. In those areas, no detail is recorded because the light is too intense.

A picture is properly exposed when there are no, or very few, zebra striped areas in the image.



Do not rely on how the image “looks” in the LCD monitor to determine correct exposure because the LCD monitor shows brightness inaccurately. Always use zebra stripes.

Push the ZEBRA Button until ZEBRA2 100% appears in the LCD monitor.



Now use the dial to close the iris until the zebras are nearly gone.



Sound

Selecting sound inputs

Two sources of audio can be recorded to the camera simultaneously.

Audio signals is controlled by two switches behind the LCD monitor and two switches on the front of the camera.



Two switches behind LCD panel



Two switches on front of camera

Setting the audio level

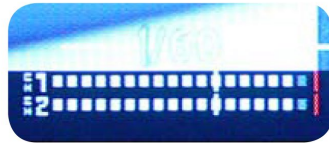
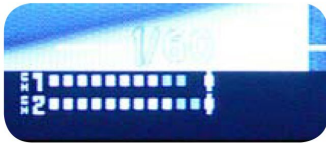
Use the Audio dials on the side of the camera to set the level of sound coming into each channel.



Monitoring the audio level

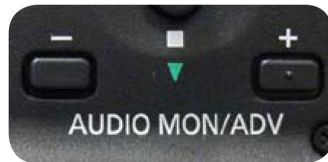
Use the Audio meter on the bottom of the LCD monitor to view the audio levels.

If the audio is bouncing above the white hash marks, adjust the audio dials down to lower the input level.



ALWAYS USE HEADPHONES

To monitor audio quality, plug headphones into the jack on the back of the camera. You can adjust the headphone level by pushing the - AUDIO MON/ADV + buttons.



Audio setup chart

Audio source	INPUT jacks and INPUT settings	CH 1 SELECT and CH 2 SELECT settings	Audio records on
Internal microphone	N/A	CH 1 SELECT: INT(L) CH 2 SELECT: INT(R)	CH 1: Built in mic CH 2: Built in mic
External microphone	INPUT 2 jack INPUT 2: MIC	CH 1 SELECT: INPUT 2 CH 2 SELECT: INPUT 2	CH 1: External mic CH 2: External mic
External line level source	INPUT 2 jack INPUT 2: LINE	CH 1 SELECT: INPUT 2 CH 2 SELECT: INPUT 2	CH 1: Line level source CH 2: Line level source
Two external sources	INPUT 1 and INPUT 2 jacks INPUT 1: LINE or MIC INPUT 2: LINE or MIC	CH 1 SELECT: INPUT 1 CH 2 SELECT: INPUT 2	CH 1: Input 1 CH 2: Input 2
One external source and built in microphone on camera	INPUT 2 jack INPUT 2: LINE or MIC	CH 1 SELECT: INPUT 2 CH 2 SELECT: INT(R)	CH 1: Input 2 CH 2: Built in mic



Scene Files - Rear Dial

- F1: SCENE
Normal Shooting.
- F2: SCENE FLUO.
Fluorescent Lighting.
- F3: SCENE SPARK
Fuller variations of resolution, coloring and contrast.
- F4: SCENE B-STR
Broadens contrast of dark parts, sunsets, low level lighting.
- F5: SCENE CINE V
Movie like scenes, contrast is emphasized.
- F6: SCENE CINE D
Movie like scenes, Dynamic range is emphasized.

Trouble shooting

If image appears dark:

- Check ND Filter Switch
- Check Iris setting
- Check Gain Switch

No information shows on LCD panel

- Push DISP/MODE CHK button

Zoom toggle not working:



- Check Zoom Control Switch
default is SERVO



CVCTV Default Menu Settings

CAM MENU	1/3
SW MODE	1/3
MID GAIN	6dB
HIGH GAIN	9dB
ATW	OFF
HANDLE ZOOM	L/M/H
IRIS DIAL	UP OPEN
	2/3
USER1	ATW
USER2	ATW LOCK
USER3	GAIN:18dB
FOCUS ASSIST	BOTH
WFM	WAVE/VECTOR
	3/3
LCD	LCD BL
RECORDING SETUP	1/2
REC FORMAT	HE 1080/60i
PREREC MODE	OFF
TIME STAMP	OFF
MIC ALC	ON
MIC GAIN1	-50dB
	2/2
MIC GAIN2	-60dB
TC/UB SETUP	
TC MODE	DF
TCG	REC RUN
TC PRESET	NO
UB PRESET	NO
EXT TC LINK	NO
CAM MENU	2/3
AV OUT SETUP	1/2
HDMI OUT SEL	AUTO
CMPNT OUT SEL	AUTO
DOWNCON MODE	OFF
VIDEO SETUP	7.5%A
AUDIO OUT	CH1/CH2
	2/2
HP MODE	RECORDING

DISPLAY SETUP	1/4
ZEBRA DETECT1	80%
ZEBRA DETECT2	100%
MARKER	ON
SAFETY ZONE	4:3
REC COUNTER	CLIP
	2/4
VIDEO OUT OSD	OFF
DATE/TIME	OFF
LEVEL METER	ON
ZOOM & FOCUS	NUMBER
CARD & BATTERY	ON
	3/4
OTHER DISPLAY	ALL
LCD BACKLIGHT	LOW
LCD SET	NO
EVF SET	NO
SELF SHOOT	NORMAL
	4/4
EVF COLOR	ON
CARD FUNCTIONS	*see notes
CARD FORMAT	YES
CARD STATUS	YES

CAM MENU	3/3
META DATA	1/2
CARD READ	NO
RECORD	OFF
USER CLIP NAME	TYPE1
CLIP COUNT RESET	NO
META DATA PROP	NO
	2/2
META INITIAL SET	NO

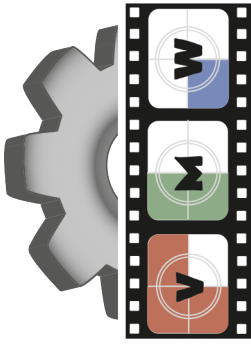
*Card Functions - Notes:

Menu settings for Card Functions will not stay on 'YES'.

Before starting a production, check the status of the chip.

Everytime you start a production, FORMAT your chips.





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