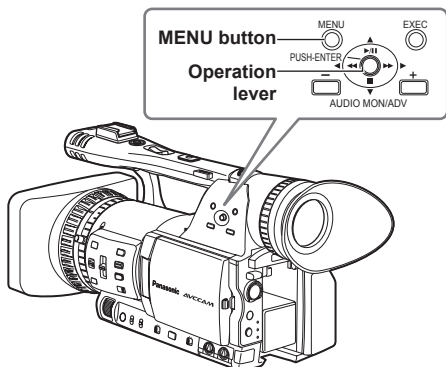# Panasonic Broadcast

AG-HMC150
Menu Information

Using the setup menus

Use the setup menus to change the settings to suit the scenes you are shooting or what you are recording.
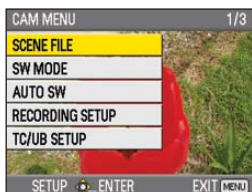

MENU button
Operation lever

Using the menus

• The menu items indicated in the gray characters cannot be changed its settings.

1 **When the unit is in other than playback or recording mode, press the MENU button.**
The following is displayed on the viewfinder and LCD monitor.
CAM mode (Example)

PB mode (Example)

2 **Tilt the Operation lever in the ▲ ▼ directions to move the yellow cursor to the function you wish to set.**

3 **Push the Operation lever (or tilt in the ► direction) to display the setting items.**

Example:

4 **Tilt the Operation lever in the ▲ ▼ directions to move the yellow cursor to the item you wish to set.**

Example:

5 **Push the Operation lever (or tilt in the ► direction) to set the item.**
To change values or other parameters, tilt the Operation lever in the ▲ ▼ directions.
Example:

• Tilt the Operation lever in the ◄ direction to return to the previous menu.

6 **Repeat steps 4 - 5 to change any other items.**
Press the MENU button to complete settings and return to the normal screen.

7 Repeat steps **2 - 5** to change any other settings.

Press the MENU button to complete settings and return to the normal screen.

Initializing the menu settings

The menu settings contain both the user file settings and the scene file settings. You can initialize them separately.

To initialize the user file (i.e. all the settings other than the scene file settings)
Select INITIALIZE in LOAD/SAVE/INIT of the USER FILE screen. The current menu settings of user file will return to the factory settings.

To initialize the scene file
From the 6 scene files, select the one you want to initialize with the scene dial. Then in the SCENE FILE screen, LOAD/SAVE/INIT, select INITIALIZE. The settings for only the selected scene file are returned to the factory settings.
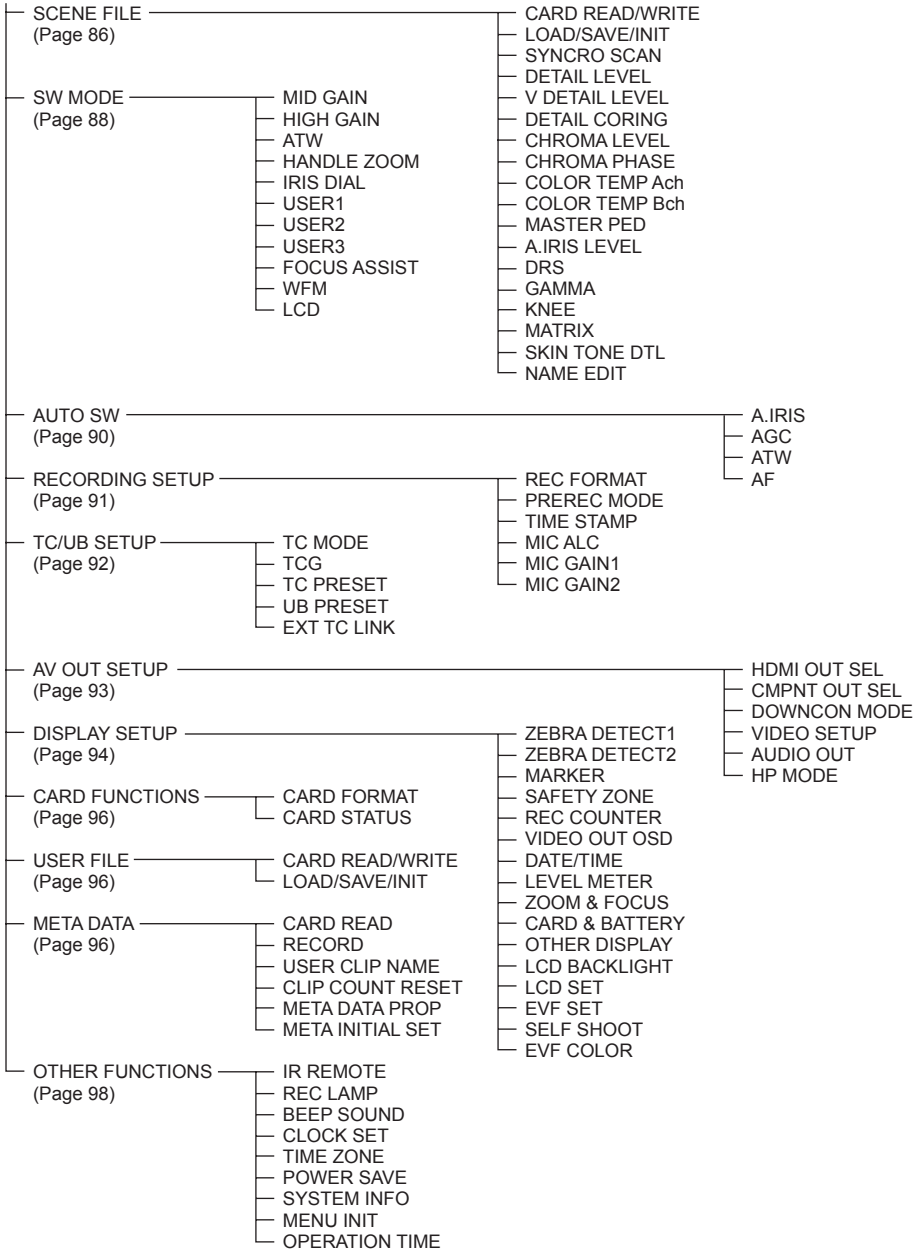• This does not effect the other scene files.

If you wish to initialize the user file and scene files at the same time, the user file and all six scene files can be restored to their factory default settings by selecting YES for the MENU INIT item on the OTHER FUNCTIONS screen.

Menu

Setup menu structure

Camera mode menu

CAM MENU
```
├─ SCENE FILE ──────────────────────┬─ CARD READ/WRITE
│  (Page 86)                         ├─ LOAD/SAVE/INIT
│                                    ├─ SYNCRO SCAN
│                                    ├─ DETAIL LEVEL
├─ SW MODE ──────────┬─ MID GAIN     ├─ V DETAIL LEVEL
│  (Page 88)         ├─ HIGH GAIN    ├─ DETAIL CORING
│                    ├─ ATW          ├─ CHROMA LEVEL
│                    ├─ HANDLE ZOOM  ├─ CHROMA PHASE
│                    ├─ IRIS DIAL    ├─ COLOR TEMP Ach
│                    ├─ USER1        ├─ COLOR TEMP Bch
│                    ├─ USER2        ├─ MASTER PED
│                    ├─ USER3        ├─ A.IRIS LEVEL
│                    ├─ FOCUS ASSIST ├─ DRS
│                    ├─ WFM          ├─ GAMMA
│                    └─ LCD          ├─ KNEE
│                                    ├─ MATRIX
│                                    ├─ SKIN TONE DTL
│                                    └─ NAME EDIT
│
├─ AUTO SW ──────────────────────────────────────┬─ A.IRIS
│  (Page 90)                                      ├─ AGC
│                                                 ├─ ATW
├─ RECORDING SETUP ──────────────┬─ REC FORMAT    └─ AF
│  (Page 91)                      ├─ PREREC MODE
│                                 ├─ TIME STAMP
├─ TC/UB SETUP ──────┬─ TC MODE   ├─ MIC ALC
│  (Page 92)         ├─ TCG       ├─ MIC GAIN1
│                    ├─ TC PRESET └─ MIC GAIN2
│                    ├─ UB PRESET
│                    └─ EXT TC LINK
│
├─ AV OUT SETUP ─────────────────────────────────┬─ HDMI OUT SEL
│  (Page 93)                                      ├─ CMPNT OUT SEL
│                                                 ├─ DOWNCON MODE
├─ DISPLAY SETUP ────────────────┬─ ZEBRA DETECT1 ├─ VIDEO SETUP
│  (Page 94)                      ├─ ZEBRA DETECT2 ├─ AUDIO OUT
│                                 ├─ MARKER        └─ HP MODE
├─ CARD FUNCTIONS ───┬─ CARD FORMAT ├─ SAFETY ZONE
│  (Page 96)         └─ CARD STATUS ├─ REC COUNTER
│                                   ├─ VIDEO OUT OSD
├─ USER FILE ────────┬─ CARD READ/WRITE ├─ DATE/TIME
│  (Page 96)         └─ LOAD/SAVE/INIT   ├─ LEVEL METER
│                                   ├─ ZOOM & FOCUS
├─ META DATA ────────┬─ CARD READ       ├─ CARD & BATTERY
│  (Page 96)         ├─ RECORD          ├─ OTHER DISPLAY
│                    ├─ USER CLIP NAME  ├─ LCD BACKLIGHT
│                    ├─ CLIP COUNT RESET├─ LCD SET
│                    ├─ META DATA PROP  ├─ EVF SET
│                    └─ META INITIAL SET├─ SELF SHOOT
│                                       └─ EVF COLOR
│
└─ OTHER FUNCTIONS ──┬─ IR REMOTE
   (Page 98)         ├─ REC LAMP
                     ├─ BEEP SOUND
                     ├─ CLOCK SET
                     ├─ TIME ZONE
                     ├─ POWER SAVE
                     ├─ SYSTEM INFO
                     ├─ MENU INIT
                     └─ OPERATION TIME
```

Playback mode menu

```
PB MENU
    ┌─ PLAY SETUP ─────────────────────────────── PB FORMAT
    │  (Page 97)                                ├─ REPEAT PLAY
    │                                           ├─ RESUME PLAY
    │                                           └─ SKIP MODE
    │
    ├─ THUMBNAIL SETUP ─────────────────────────── THUMBNAIL MODE
    │  (Page 97)                                ├─ INDICATOR
    │                                           ├─ DATA DISPLAY
    │                                           └─ DATE FORMAT
    │
    ├─ OPERATION ─────────────────────────────── DELETE
    │  (Page 98)                                ├─ INDEX
    │                                           └─ CLIP PROTECT
    │
    ├─ SW MODE ───────────────────────────────── USER1
    │  (Page 88)                                ├─ USER2
    │                                           ├─ USER3
    │                                           └─ LCD
    │
    ├─ AV OUT SETUP ─────────────────────────── HDMI OUT SEL
    │  (Page 93)                                ├─ CMPNT OUT SEL
    │                                           ├─ DOWNCON MODE
    │                                           ├─ VIDEO SETUP
    │                                           └─ AUDIO OUT
    │
    ├─ DISPLAY SETUP ─────────────────────────── VIDEO OUT OSD
    │  (Page 94)                                ├─ DATE/TIME
    │                                           ├─ LEVEL METER
    │                                           ├─ CARD & BATTERY
    │                                           ├─ OTHER DISPLAY
    │                                           ├─ LCD BACKLIGHT
    │                                           ├─ LCD SET
    │                                           ├─ EVF SET
    │                                           └─ EVF COLOR
    │
    ├─ CARD FUNCTIONS ─────────────────────────── CARD FORMAT
    │  (Page 96)                                ├─ CARD STATUS
    │                                           └─ CLIP PROPERTY
    │
    ├─ USER FILE ───────────────────────────────── CARD READ/WRITE
    │  (Page 96)                                └─ LOAD/SAVE/INIT
    │
    └─ OTHER FUNCTIONS ─────────────────────────── IR REMOTE
       (Page 98)                               ├─ CLOCK SET
                                               ├─ TIME ZONE
                                               ├─ SYSTEM INFO
                                               └─ OPERATION TIME
```

Menu

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Setup menu list

SCENE FILE screen

Item	Display mode	Description of settings
CARD READ/ WRITE	(Camera)	Reads and writes scene files on the SD Memory Card. **READ:** Reads scene files (all scenes, F1 to F6) saved on the SD Memory Card after setting values are selected. **WRITE:** Saves current scene file setting values (for all scenes, F1 to F6) on the SD Memory Card. <u>**NO:**</u> Returns to the last screen.
LOAD/SAVE/ INIT	(Camera)	**LOAD:** Loads the scene file settings which is saved by this camera. **SAVE:** Saves the changed scene file settings. **INITIALIZE:** The settings of the scene file selected with the SCENE FILE dial are returned to the factory settings. <u>**NO:**</u> Returns to the last screen.
SYNCRO SCAN	(Camera)	Adjusts the synchro scan shutter speed used for shooting images on a TV screen, etc. Holding the Operation lever toward the ◀ or ▶ will cause the values to change at a faster rate. • **60P/60i:** 1/60.0…1/249.8 (Factory default setting is 1/48.0) • **30P:** 1/30.0…<u>1/48.0</u>…1/249.8 • **24P:** 1/24.0…<u>1/48.0</u>…1/249.8
DETAIL LEVEL	(Camera)	Adjusts the level of the image outline correction (in the horizontal and vertical directions). **- 7…0…+ 7**
V DETAIL LEVEL	(Camera)	Adjusts the level of outline correction in the vertical direction. **- 7…0…+ 7**
DETAIL CORING	(Camera)	Adjusts the level of noise reduction of the detail signal. **- 7…0…+ 7** Set to – for a clearer image. Noise increases slightly. Set to + to reduce noise.
CHROMA LEVEL	(Camera)	Adjusts the chroma level. **- 7…0…+ 7**
CHROMA PHASE	(Camera)	Makes fine adjustments to the chroma phase. **- 7…0…+ 7**
COLOR TEMP Ach	(Camera)	Makes fine adjustments to the color temperature (after white balance Ach adjustment). **- 7…0…+ 7**
COLOR TEMP Bch	(Camera)	Makes fine adjustments to the color temperature (after white balance Bch adjustment). **- 7…0…+ 7**
MASTER PED	(Camera)	Adjusts the master pedestal (black level of the image) as the basis for images. **- 100…0…+ 100**
A.IRIS LEVEL	(Camera)	Sets the desired AUTO IRIS level. **- 10…0…+ 10**

___ indicates the factory setting.

Item	Display mode	Description of settings
DRS	(Camera)	Selects the DRS (dynamic range stretcher) function. It enables the dynamic range to be expanded by compressing the level of the video signals in the high-brightness areas where overexposure results during normal shooting. **OFF**, **1, 2, 3** • The higher the number of the setting, the higher the compression level of the high-brightness areas. • The higher the number of the setting, the greater the interference in darker areas. • Not available (grayed out) under settings other than 60i/60P.
GAMMA	(Camera)	Selects the gamma curves. **HD NORM:** This gamma setting is suitable for HD shooting. **LOW:** Makes a mellow image using the gamma curve which has a gentle incline in low-brightness curve. The contrast sharpens. **SD NORM:** This is the normal video setting, carried over from the DVX100 series. **HIGH:** Expands the tone of dark parts and makes a brighter image using the gamma curve which has a sharp incline in low-brightness curve. The contrast softens. **B.PRESS:** Makes the contrast shaper than LOW. **CINE-LIKE D:** Uses a gamma designed to create cinema-like images. **CINE-LIKE V:** Uses a gamma designed to create cinema-like images with emphasized contrast. • When you select CINE-LIKE gamma, we recommend setting the lens aperture lower than normal image level (approximately 1/2) for optimal results.
KNEE	(Camera)	To avoid overexposure, select the compression level (knee point) of the high intensity video signals received through CCD. **AUTO:** Sets the level automatically according to the received signals. **LOW:** Low setting (Compression starts at approx. 80%.) **MID:** Medium setting (Compression starts at approx. 90%.) **HIGH:** High Setting (Compression starts at approx. 100%.) • Not available when a DRS value is set, or when GAMMA is set to CINE-LIKE.
MATRIX	(Camera)	Selects the MATRIX table suitable for the desired color expression during shooting. **NORM1:** Suitable for shooting in the open air or under a halogen lamp. **NORM2:** Suitable for brighter colors than the NORM1 mode. **FLUO:** Suitable for shooting under fluorescent light indoors. **CINE-LIKE:** Suitable for cinema-like image.
SKIN TONE DTL	(Camera)	Switches skin tone details on or off. Select ON to reduce the skin tone details and soften the skin tone. **ON OFF**
NAME EDIT	(Camera)	Edits the name of the scene file you have selected with the SCENE FILE dial. **YES NO**

____ indicates the factory setting.

Menu

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SW MODE screen

Item	Display mode	Description of settings
MID GAIN	(Camera)	Sets the gain value assigned to the M position of the GAIN switch. **0dB, 3dB, <u>6dB</u>, 9dB, 12dB**
HIGH GAIN	(Camera)	Sets the gain value assigned to the H position of the GAIN switch. **0dB, 3dB, 6dB, 9dB, <u>12dB</u>**
ATW	(Camera)	Sets the operation of the ATW (Auto Tracking White) function assigned to the WHITE BAL switch. When the ATW function is allocated to the AUTO/MANUAL switch or USER button, the operation remains effective. **Ach:** Activates the ATW function when the WHITE BAL switch is set to A. **Bch:** Activates the ATW function when the WHITE BAL switch is set to B. **PRST:** Activates the ATW function when the WHITE BAL switch is set to PRST. **<u>OFF</u>:** Deactivates the ATW function.
HANDLE ZOOM	(Camera)	Sets the zoom speed assigned to each setting position of the HANDLE ZOOM switch. **<u>L/OFF/H</u>:** Sets LOW (low speed)/OFF/HIGH (high speed) to the 1/2/3 position. (Zoom is disabled when set to OFF.) **L/M/H:** Sets LOW (low speed)/MID (medium speed)/HIGH (high speed) to the 1/2/3 position. **L/OFF/M:** Sets LOW (low speed)/OFF/MID (medium speed) to the 1/2/3 position. (Zoom is disabled when set to OFF.)
IRIS DIAL	(Camera)	Sets the rotation direction and the aperture control of the IRIS dial. (In MANUAL IRIS mode) **<u>DOWN OPEN</u>:** The iris opens when the IRIS dial is turned downward. **UP OPEN:** The iris opens when the IRIS dial is turned upward.
USER1	(Camera) (PB)	Selects the function assigned to the USER1 button. **SPOTLIGHT:** Switches auto iris control for the spotlight on or off. **BACKLIGHT:** Auto iris control for the backlight compensation. (Page 43) **BLACKFADE:** Blackfade (Page 43) **<u>WHITEFADE</u>:** Whitefade (Page 43) **ATW:** Switches the ATW function on or off. **ATW LOCK:** Fixes the white balance value when the button is pressed during ATW. Press again to perform ATW. **GAIN:18dB:** Press the button to set the gain value to 18 dB. This setting takes effect with the 60i and 60P recording formats only. It is not valid when the slow shutter mode (1/15) is established. • When the gain value is switched to 18 dB or switched from 18 dB to another value, the image can be disordered for a moment. • If the unit is being used in the MANUAL mode or AUTO mode, set the AGC item on the AUTO SW screen of the setting menu to OFF to use this function. **D.ZOOM:** Changes the ratio of the DIGITAL ZOOM function. Each press of the button changes the ratio in the following order: OFF (x1) → x2 → x5 → x10 → OFF (x1). (Page 34) **INDEX:** Index recording (Page 45) **SHOT MARK:** Shot mark recording (Page 45) **LAST CLIP:** Deletes the last recorded clip. (Page 45) • After recording, clips cannot be deleted by switching to PB or PC mode, by changing the recording format, or by turning the camera off.
USER2	(Camera) (PB)	Assigns a function to the USER2 button. The setting contents are the same as USER1. **<u>BACKLIGHT</u>**

____ indicates the factory setting.

Item	Display mode	Description of settings
USER3	**(Camera)** **(PB)**	Assigns a function to the USER3 button. The setting contents are the same as USER1. **<u>INDEX</u>**
FOCUS ASSIST	**(Camera)**	Assigns a function to the FOCUS ASSIST button. **<u>EXPANDED</u>:** The central part of the screen will be enlarged by a factor of about 4 in the vertical direction and by a factor of about 6 in the horizontal direction. "EXPANDED" is displayed on the screen during the expanded display. **GRAPH:** Displays a frequency distribution graph at the top right in the viewfinder and LCD monitor. **BOTH:** Magnifies the center portion of the image and displays a frequency distribution graph. (The frequency distribution graph is displayed on either the viewfinder or the LCD monitor.)
WFM	**(Camera)**	Switches the waveform display that appears when the WFM button is pressed. **<u>WAVE</u>:** Displays as a waveform. Each time the button is pressed the setting changes in this order: OFF → WAVE (waveform) → OFF. **VECTOR:** Displays as a vector. Each time the button is pressed the setting changes in this order: OFF → VECTOR → OFF. **WAVE/VECTOR:** Each time the button is pressed the setting changes in this order: OFF → WAVE (waveform) → VECTOR → OFF.
LCD	**(Camera)** **(PB)**	Assigns a function to the LCD button. **<u>LCD REV</u>:** Flips the LCD image vertically and horizontally. **<u>LCD BL</u>:** Switches the brightness of the LCD backlight. • The backlight brightness setting registered in LCD BL will remain stored even if the function allocated to the LCD button is changed.

<u>   </u> indicates the factory setting.

Menu

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Setup menu list (continued)

AUTO SW screen

Item	Display mode	Description of settings		
A.IRIS	**(Camera)**	**ON:**		Performs the auto iris control in auto mode. The IRIS button is deactivated.
		OFF:		Deactivates the auto iris control in auto mode. This performs the iris control selected with the IRIS button.
AGC	**(Camera)**	Sets the Auto Gain Control when the ON is selected in A.IRIS.		
		6dB:		Performs the Auto Gain Control (max. 6 dB) in auto mode.
		12dB:		Performs the Auto Gain Control (max. 12 dB) in auto mode.
		OFF:		Does not perform the Auto Gain Control in auto mode. Initiates the control of the gain selected by the GAIN switch.
ATW	**(Camera)**	**ON:**		Performs the ATW (Auto Tracing White Balance) function in auto mode. You cannot select ON/OFF of the ATW function with the WHITE BAL switch or the USER button when this is selected. However, if ATW LOCK is assigned to the USER button, you can set the white balance value with the USER button.
		OFF:		Does not perform the ATW function in auto mode. This performs the white balance function selected with the WHITE BAL switch.
AF	**(Camera)**	**ON:**		Performs auto focusing in auto mode. You cannot use the FOCUS switch and PUSH AUTO button when this is selected.
		OFF:		Does not perform auto focusing in auto mode. This performs the focusing selected with the FOCUS switch or PUSH AUTO button.

____ indicates the factory setting.

RECORDING SETUP screen

Item	Display mode	Description of settings
REC FORMAT	**(Camera)**	Selects the recording format. **PH 1080/60i** **PH 1080/30P** **PH 1080/24P** **PH 720/60P** **PH 720/30P** **PH 720/24P** **HA 1080/60i** **HG 1080/60i** **HE 1080/60i** • PH 1080/24P and PH 720/24P represent native recording.
PREREC MODE	**(Camera)**	Sets PRE RECORDING to ON or OFF. (Page 42) ON **OFF**
TIME STAMP	**(Camera)**	Specifies whether date and time information is superimposed over recorded images. **ON:** Superimposes date and time information on the image. **OFF:** Does not superimpose date and time information on the image.
MIC ALC	**(Camera)**	Sets mic level auto control to ON or OFF. (Page 49) **ON** OFF Set to ON to reduce distortion at high input levels. To adjust the recording level of audio signals (not related to this setting), use the AUDIO control knobs.
MIC GAIN1	**(Camera)**	Sets the input level of the external microphone connected to the INPUT 1 terminal. (Page 48) **-50dB** -60dB
MIC GAIN2	**(Camera)**	Sets the input level of the external microphone connected to the INPUT 2 terminal. (Page 48) **-50dB** -60dB

____ indicates the factory setting.

Menu

TC/UB SETUP screen

Item	Display mode	Description of settings
TC MODE	(Camera)	Selects the correction mode of the internal time code generator when the time code of the internal time code generator is recorded. **DF:** Uses the drop frame mode. **NDF:** Uses the non-drop frame mode. • TC MODE is automatically set to NDF when you set recording frame rate of recording format to 24P.
TCG	(Camera)	Sets the mode in which you advance the internal time code generator. **FREE RUN:** The time code is advanced regardless of the operation mode. A slight time error may occur when switching to PB mode if the frame rate is set to 24P. **REC RUN:** The time code is advanced only when recording.
TC PRESET	(Camera)	Sets the initial time code. **YES NO** • Set the frame value to 0 or a multiple of 4 when you set recording frame rate of recording format to 24P. If any other value is set, the recorded time code will mis-match.
UB PRESET	(Camera)	Sets the user information. **YES NO**
EXT TC LINK	(Camera)	Synchronizes the initial time code value during multi-camera shooting. (Slave camera time codes are synchronized to the master internal TCG value.) (Page 55) **MASTER:** Sets the mode to master mode. **SLAVE:** Sets the mode to slave mode. When the COUNTER - RESET/TC SET button is pressed, input time codes are synchronized to the internal TCG. **NO:** Returns to the last screen. • Master and slave mode settings are only in effect when this menu is open. When the menu is closed, EXT TC LINK is automatically canceled.

____ indicates the factory setting.

AV OUT SETUP screen

Item	Display mode	Description of settings
HDMI OUT SEL	(Camera) (PB)	Sets the output video format of the HDMI OUT terminal. **AUTO:** Automatically determines the output resolution based on information of connected monitors. <u>**FIX:**</u> Fix the output at the recorded resolution. (Output in 1080 interlaced or 720 progressive mode) **480P:** Output in 480 progressive mode. • Simultaneous HDMI and component output is possible only in FIX mode. • There will be no VIDEO OUT output when connected with an HDMI cable if this item is set to anything other than FIX.
CMPNT OUT SEL	(Camera) (PB)	Selects the type of component terminal. <u>**AUTO:**</u> Monitor with D4 terminal (720P/1080i output) **1080i:** Monitor with D3 terminal (1080i output) **480i:** Monitor with D1 terminal (480i output) • Cross-conversion is only performed when content recorded at 720P is output at 1080i. Cross-conversion does not take place in other cases.
DOWNCON MODE	(Camera) (PB)	Switches down-conversion output mode. **SIDE CROP:** Crops the right and left edges of the image for a 4:3 aspect ratio. • Images may extend beyond the boundaries of the screen and be partially unable to be seen when outputting from the VIDEO OUT terminal, or when outputting from the COMPONENT OUT terminal when the COMPNT OUT SEL item is set to 480i. <u>**LETTER BOX:**</u> Adds black bands at the top and bottom of the image to display 16:9 images on a 4:3 screen. **SQUEEZE:** Squeezes 16:9 images horizontally when displaying on a 4:3 screen.
VIDEO SETUP	(Camera) (PB)	Sets the setup level of video signals. **0%:** VIDEO OUT terminal output and recording setup levels will both be set to 0%. <u>**7.5% A:**</u> VIDEO OUT terminal output setup level will be set to 7.5%, while recording setup level will be set to 0%.
AUDIO OUT	(Camera) (PB)	Sets the audio signals to output from the AUDIO OUT pin jack. <u>**CH1/CH2:**</u> CH1 terminal = CH1 signals, CH2 terminal = CH2 signals **CH1:** CH1 terminal = CH1 signals, CH2 terminal = CH1 signals **CH2:** CH1 terminal = CH2 signals, CH2 terminal = CH2 signals • When an SD Memory Card containing 5.1 channel content, recorded on other equipment, is played back on the camera, it is down-mixed to 2 channels when output through the AUDIO OUT or headphone terminal.
HP MODE	(Camera)	Selects the sound heard through the headphones. **LIVE:** The sound which has been input from the microphone is output as is. This setting is selected when delays in the sound are annoying. <u>**RECORDING:**</u> The sound in the status which is to be recorded (the sound synchronized with the images) is output.

___ indicates the factory setting.

DISPLAY SETUP screen

Item	Display mode	Description of settings
ZEBRA DETECT1	(Camera)	Selects the brightness level of the left-leaning zebra patterns on the screen. **50%, 55%, 60%, 65%, 70%, 75%, <u>80%</u>, 85%, 90%, 95%, 100%, 105%**
ZEBRA DETECT2	(Camera)	Selects the brightness level of the right-leaning zebra patterns on the screen. **50%, 55%, 60%, 65%, 70%, 75%, 80%, 85%, 90%, 95%, <u>100%</u>, 105%, OFF** • The zebra patterns do not appear if you select OFF.
MARKER	(Camera)	Select ON to display the marker. (Page 42) **<u>ON</u> OFF** To display the marker, press the ZEBRA button.
SAFETY ZONE	(Camera)	Sets SAFETY ZONE. (Page 78) **<u>90%</u>, 4:3, OFF**
REC COUNTER	(Camera)	Selects counter operation during recording. **<u>TOTAL</u>:** The count continues to increase until the RESET/TC SET button is pressed to reset it. **CLIP:** Resets the counter at start of recording and counts the time of each recording session. • In PB mode, operation is always in CLIP mode.
VIDEO OUT OSD	(Camera) (PB)	Select ON to output the information displayed on the screen together with the signals from the VIDEO OUT jack. **ON <u>OFF</u>**
DATE/TIME	(Camera) (PB)	Sets whether to display the date and time on the screen and whether to output from the VIDEO OUT jack. **TIME:** The time is displayed. **DATE:** The date is displayed. **TIME & DATE:** The date and time are displayed. **<u>OFF</u>:** The date and time are not displayed.
LEVEL METER	(Camera) (PB)	Select ON to display the audio level meter. **<u>ON</u> OFF**
ZOOM & FOCUS	(Camera)	Selects the unit of zoom and focus values. **OFF, <u>NUMBER</u>, mm/feet, mm/m** • Use the mm/feet or mm/m display only as a general guideline since it is not entirely accurate.
CARD & BATTERY	(Camera) (PB)	Select ON to display the remaining SD Memory Card recording capacity and remaining battery charge. **<u>ON</u> OFF**
OTHER DISPLAY	(Camera) (PB)	Select how much information to display on the viewfinder and the LCD monitor. (Page 81) **<u>PARTIAL</u>, ALL, OFF**
LCD BACKLIGHT	(Camera) (PB)	Adjusts the backlight of the LCD monitor. Select HIGH for brighter backlight. **LOW, <u>NORMAL</u>, HIGH**
LCD SET	(Camera) (PB)	Adjusts the display level of the images on the LCD monitor. (Page 26) **LCD COLOR LEVEL** **LCD BRIGHTNESS** **LCD CONTRAST**
EVF SET	(Camera) (PB)	Adjusts the display level of the images on the viewfinder. (Page 26) **EVF COLOR LEVEL** **EVF BRIGHTNESS** **EVF CONTRAST**

<u>   </u> indicates the factory setting.

DISPLAY SETUP screen (continued)

Item	Display mode	Description of settings
SELF SHOOT	**(Camera)**	Selects the LCD mirror mode for self-portrait shooting. Selecting MIRROR displays the left and right side of the LCD monitor image inverted during self-portrait shooting. (Page 41) **NORMAL, <u>MIRROR</u>**
EVF COLOR	**(Camera)** **(PB)**	Switches viewfinder images to color or black and white. **<u>ON</u>:** Color **OFF:** Black and white

<u>   </u> indicates the factory setting.

Menu

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Setup menu list (continued)

CARD FUNCTIONS screen

Item	Display mode	Description of settings
CARD FORMAT	(Camera) (PB)	Formats the SD Memory Card. **YES:** Formats the card. **NO:** Returns to the last screen.
CARD STATUS	(Camera) (PB)	Displays the SD Memory Card status. **YES:** Displays the card status. **NO:** Returns to the last screen.
CLIP PROPERTY	(PB)	Displays information about the selected clip. **YES:** Displays clip information. **NO:** Returns to the last screen.

USER FILE screen

Item	Display mode	Description of settings
CARD READ/ WRITE	(Camera) (PB)	You can save four user file settings to the SD Memory Card, and can also title the saved files. **READ:** Read **WRITE:** Write **NO:** Returns to the last screen.
LOAD/SAVE/ INIT	(Camera) (PB)	**LOAD:** Loads the settings in a previously stored user file. **SAVE:** Saves the updated user file settings. **INITIALIZE:** Returns the user settings in the user file to the factory settings. **NO:** Returns to the last screen. • After a LOAD or INITIALIZE operation, turn the POWER switch off and then back on again to make the new settings available. • The INITIALIZE operations do not change the TIME ZONE settings. (Page 99)

META DATA screen

Item	Display mode	Description of settings
CARD READ	(Camera)	Loads the metadata recorded on the SD Memory Card into the unit. YES <u>NO</u> • "NO FILE" is displayed when no metadata is recorded in the SD Memory Card.
RECORD	(Camera)	Sets whether to record the metadata to be loaded into the unit simultaneously on a SD Memory Card. **ON:** Records simultaneously. **OFF:** Does not record simultaneously.
USER CLIP NAME	(Camera)	Selects the method of USER CLIP NAME recording. **TYPE1:** User clip name is the same as the CLIP NAME if there is no uploaded metadata or data. **TYPE2:** User clip name is the same as the CLIP NAME if no combination of data and COUNT value is uploaded, or if there is no uploaded data.
CLIP COUNT RESET	(Camera)	Resets the COUNT value to 1. YES <u>NO</u>
META DATA PROP	(Camera)	Displays the metadata which has been recorded in the unit. YES <u>NO</u>

___ indicates the factory setting.

META DATA screen (continued)

Item	Display mode	Description of settings
META INITIAL SET	(Camera)	Initializes the metadata which has been recorded in the unit. All the settings including the ON or OFF setting for RECORD are now cleared. YES <u>NO</u>

PLAY SETUP screen

Item	Display mode	Description of settings
PB FORMAT	(PB)	Sets the playback format. **1080/60i (30P), 1080/24P, 720/60P(30P), 720/24P** • The REC FORMAT setting in the CAM mode prior to transfer to the PB mode becomes the initial setting of PB FORMAT.
REPEAT PLAY	(PB)	ON <u>OFF</u> When set to ON, supported clips are played repeatedly.
RESUME PLAY	(PB)	ON <u>OFF</u> When set to ON, playback resumes from the video position at which clip playback stopped.
SKIP MODE	(PB)	Selects the starting position for cued playback after pausing. <u>CLIP</u>: Stops playback at the beginning of the previous clip. **CLIP & INDEX:** Stops at the beginning of the clip and INDEX.

THUMBNAIL SETUP screen

Item	Display mode	Description of settings
THUMBNAIL MODE	(PB)	Selects the thumbnail display method. <u>ALL</u>: All the clips are displayed. **SAME FORMAT:** The clips in the same recording format are displayed. **MARKER:** The clips with shot marks are displayed. **INDEX:** The clips with index are displayed.
INDICATOR	(PB)	Sets whether the indicator is to be displayed or not. <u>ON</u>: Displayed **OFF:** Not displayed
DATA DISPLAY	(PB)	Selects the information displayed in the time display of clips. <u>TC</u>: Time cord **UB:** User information **TIME:** Shooting time **DATE:** Shooting date **DATE & TIME:**Shooting date and time
DATE FORMAT	(PB)	Selects the order for displaying the recording date/time when DATE DISPLAY is set to DATE or DATE & TIME. **Y-M-D:** year/month/day <u>**M-D-Y**</u>: month/day/year **D-M-Y:** day/month/year

____ indicates the factory setting.

Menu

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Setup menu list (continued)

OPERATION screen

Item	Display mode	Description of settings
DELETE	(PB)	Deletes clips. **ALL CLIPS:** Deletes all clips. **SELECT:** Deletes only the selected clips. Press the EXEC button to delete clips. **<u>NO:</u>** Returns to the last screen. • Clips for which CLIP PROTECT is specified are not deleted.
INDEX	(PB)	Adds indexes to clips or deletes them. **YES:** Adds or deletes indexes. **<u>NO:</u>** Returns to the last screen.
CLIP PROTECT	(PB)	Protects clips to prevent accidental deletion. **YES:** Enables clip protection or cancels protection. **<u>NO:</u>** Returns to the last screen. • Executing a format of the memory card (page 32) will delete all clips even if they are protected.

OTHER FUNCTIONS screen

Item	Display mode	Description of settings
IR REMOTE	(Camera) (PB)	Sets the operations of the supplied remote control unit. **ON:** Accepts commands from the remote control. **<u>OFF:</u>** Operations are not accepted from remote control.
REC LAMP	(Camera)	Sets lighting of the tally lamp. **FRONT:** Front tally lamp (microphone side) lights. **REAR:** Rear tally lamp (viewfinder side) lights. **BOTH:** Both tally lamps light. **<u>OFF:</u>** The tally lamp does not light.
BEEP SOUND	(Camera)	Turns the beep sound ON or OFF. **ON <u>OFF</u>** When ON is selected the beep is sounded, if the memory of the SD Memory Card has been used up during recording. When the beep is sounded, the audio signals from the output connector are muted before the beep sound is output.
CLOCK SET	(Camera) (PB)	Sets the camera-recorder's calendar.

<u>   </u> indicates the factory setting.

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OTHER FUNCTIONS screen (continued)

Item	Display mode	Description of settings
TIME ZONE	(Camera) (PB)	Adds to or deducts from GMT the time value of -12:00 to +13:00 in 30-minute steps. (Refer to the table below.) **+00:00** | Time difference	Area	Time difference	Area | |---|---|---|---| | + 00:00 | Greenwich | – 00:30 | | | – 01:00 | Azores Islands | – 01:30 | | | – 02:00 | Mid-Atlantic | – 02:30 | | | – 03:00 | Buenos Aires | – 03:30 | Newfoundland Island | | – 04:00 | Halifax | – 04:30 | | | – 05:00 | New York | – 05:30 | | | – 06:00 | Chicago | – 06:30 | | | – 07:00 | Denver | – 07:30 | | | – 08:00 | Los Angeles | – 08:30 | | | – 09:00 | Alaska | – 09:30 | Marquesas Islands | | – 10:00 | Hawaii | – 10:30 | | | – 11:00 | Midway Island | – 11:30 | | | – 12:00 | Kwajalein | + 12:30 | | | + 13:00 | | + 11:30 | Norfolk Island | | + 12:00 | New Zealand | + 10:30 | Lord Howe Island | | + 11:00 | Solomon Islands | + 09:30 | Darwin | | + 10:00 | Guam | + 08:30 | | | + 09:00 | Tokyo | + 07:30 | | | + 08:00 | Beijing | + 06:30 | Yangon | | + 07:00 | Bangkok | + 05:30 | Mumbai | | + 06:00 | Dacca | + 04:30 | Kabul | | + 05:00 | Islamabad | + 03:30 | Tehran | | + 04:00 | Abu Dhabi | + 02:30 | | | + 03:00 | Moscow | + 01:30 | | | + 02:00 | Eastern Europe | + 00:30 | | | + 01:00 | Central Europe | | |
POWER SAVE	(Camera)	Selects the power-saving mode when either the Operation lever, or the MENU, AUDIO MON/ADV, USER, START/STOP, or STAND BY button, has not been operated for about 5 minutes while a memory card is inserted in the CAM mode. **ON:** The camera-recorder's power is set to OFF. **OFF:** The camera-recorder's power is not set to OFF. • Even when this setting is ON, the power will not turn OFF when an SD Memory Card is not inserted, when the camera-recorder is in PB mode or PC mode, or when the AC adapter is connected.
SYSTEM INFO	(Camera) (PB)	Displays the version of the system in this camera.
MENU INIT	(Camera)	Returns the menu settings (scene file, user file) to the factory settings. • TIME ZONE setting will not return to the factory setting.
OPERATION TIME	(Camera) (PB)	Displays the power-on time (a 5-digit figure).

___ indicates the factory setting.

Menu