

# Audio Visual Centre

## Panasonic TM700 HD Video Camera

### User Guide

#### **Kit Contents:**

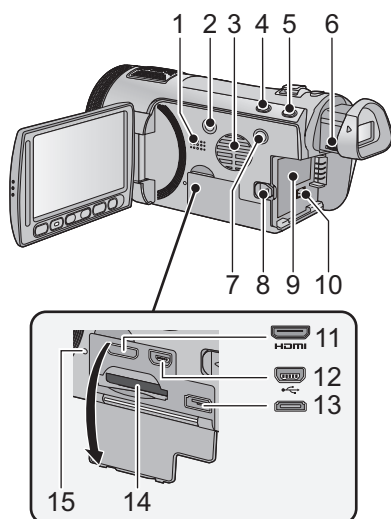
- Panasonic TM700 HD Video Camera with Tripod footplate
- 7" Table top tripod
- Power supply / Battery Charger (inc. power and Fig8 leads)
- Hot-shoe bracket
- Battery
- Remote Control
- USB Cable
- Composite (phono) Video cable



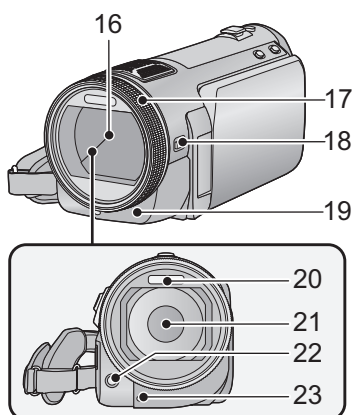
## 1



## Parts identification and handling

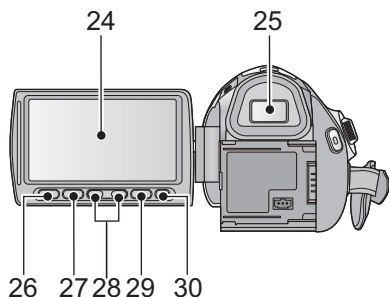
## [HDC-SD700]/[HDC-TM700]



- 1 Speaker
- 2 Power button [ON/OFF] (→ 22)
- 3 Inlet (cooling fan) (→ 26)
- 4 Intelligent auto/Manual button [iA/MANUAL] (→ 32, 75)
- 5 Optical image stabilizer button [O.I.S.] (→ 50)
- 6 Eyepiece corrector dial (→ 24)
- 7 1080/50p button [1080/50p] (→ 52)
- 8 Battery release lever [BATT] (→ 16)
- 9 Battery holder (→ 16)
- 10 DC input terminal [DC IN] (→ 19)
- Always use the supplied AC adaptor or a genuine Panasonic AC adaptor (VW-AD21E-K; optional).
- 11 HDMI mini connector [HDMI] (→ 95, 99)
- 12 USB terminal [USB] (→ 104, 119)
- 13 AV multi connector (→ 95, 110)
- Use the AV multi cable (only the supplied cable).
- 14 Card slot (→ 21)
- 15 Access lamp [ACCESS] (→ 21)



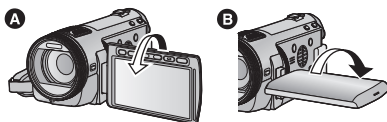
- 16 Lens cover
- The lens cover opens in  motion picture recording mode or  still picture recording mode. (→ 23)
- 17 Multi manual ring (→ 75, 78)
- 18 Camera function button [CAMERA FUNCTION] (→ 75)
- 19 Remote control sensor (→ 48)
- 20 Built-in flash (→ 55)
- 21 Lens (LEICA DICOMAR)
- Please refer to page 26 for details about attaching the lens hood.
- 22 AF assist lamp (→ 74)
- 23 Recording lamp (→ 42)



## 24 LCD monitor (Touch screen) (→ 24)



- It can open up to 90°.



- It can rotate up to 180° **A** towards the lens or 90° **B** towards the viewfinder.

Due to limitations in LCD production technology, there may be some tiny bright or dark spots on the LCD monitor screen. However, this is not a malfunction and does not affect the recorded picture.

## 25 Viewfinder (→ 24)

Due to limitations in LCD production technology, there may be some tiny bright or dark spots on the viewfinder screen. However, this is not a malfunction and does not affect the recorded picture.

## 26 Quick menu button [Q.MENU] (→ 38)

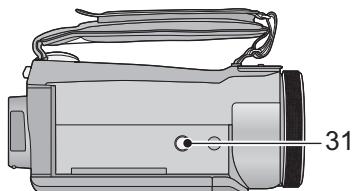
## 27 Sub recording start/stop button (→ 26)

- This button functions in the same manner as the recording start/stop button.

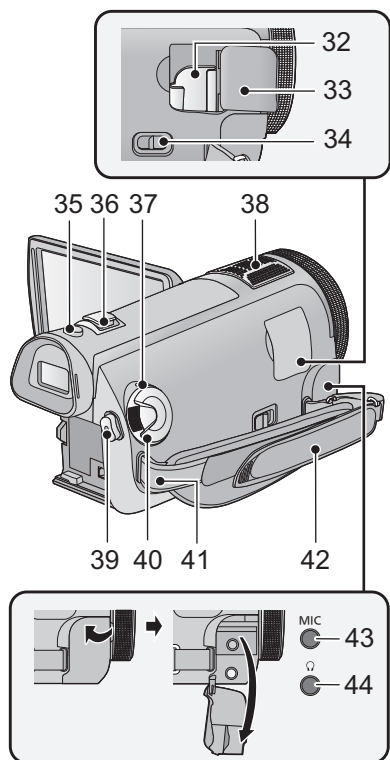
## 28 Adjust zoom buttons (→ 49)




## 29 Menu button [MENU] (→ 37)

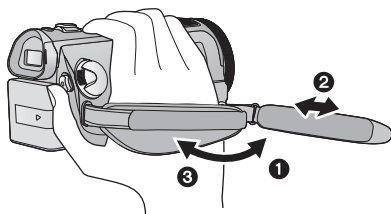
## 30 Delete button [ ] (→ 88)




## 31 Tripod receptacle



- 32 Shoe adaptor mounting part (→ 150)
  - 33 Shoe adaptor cover (→ 150)
  - 34 Shoe adaptor release lever  
[SHOE ADAPTOR RELEASE] (→ 150)
  - 35 Photoshot button [  ] (→ 30)
  - 36 Zoom lever [W/T] (In motion picture recording mode or still picture recording mode) (→ 49)
  - Thumbnail display switch [  /  ]
  - Volume lever [-VOL+] (In playback mode) (→ 36)
  - 37 Status indicator (→ 22)
  - 38 Internal microphones
  - 39 Recording start/stop button (→ 28)
  - 40 Mode dial (→ 23)
  - 41 Shoulder strap fixture
  - 42 Grip belt
- Adjust the length of the grip belt so that it fits your hand.

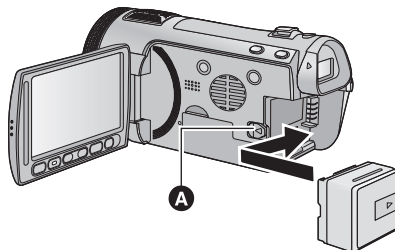


- ① Flip the belt.
  - ② Adjust the length.
  - ③ Replace the belt.
- 43 Microphone terminal [MIC]**
- A compatible plug-in powered microphone can be used as an external microphone.
  - Audio will be stereo (2 ch) with the external microphone input.
  - When the unit is connected with the AC adaptor, sometimes noise may be heard depending on the microphone type. In this case, please switch to the battery for the power supply and the noise will stop.
- 44 Headphone terminal [  ] (→ 57)**
- Excessive sound pressure from earphones and headphones can cause hearing loss.

- We recommend using Panasonic batteries. (→ 8, 17, 18, 149)
- If you use other batteries, we cannot guarantee the quality of this product.
- Do not heat or expose to flame.
- Do not leave the battery(ies) in an automobile exposed to direct sunlight for a long period of time with doors and windows closed.

## Inserting/removing the battery

**Install the battery by inserting it in the direction shown in the figure.**

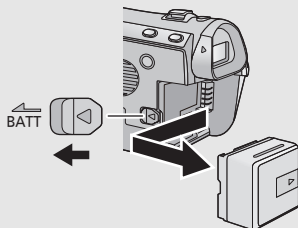


- A** Insert the battery until it clicks and locks.

### Removing the battery

Be sure to hold down the power button until the status indicator goes off. Then remove the battery while supporting the unit to prevent it dropping.

**Move the battery release lever in the direction indicated by the arrow and remove the battery when unlocked.**



## CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

## Battery capacity indication

- The display changes as the battery capacity reduces.



If there is less than 3 minutes remaining, then [red battery icon] will become red. If the battery discharges, then [flashing battery icon] will flash.

- The remaining battery capacity is displayed when using the Panasonic battery that you can use for this unit. The actual time can vary depending on your actual use.
- If the actual remaining time exceeds 9 hours 59 minutes, the indication will stay green and will not change until the remaining time falls below 9 hours 59 minutes.
- When using the AC adaptor or batteries made by other companies, the remaining battery capacity will not be shown.

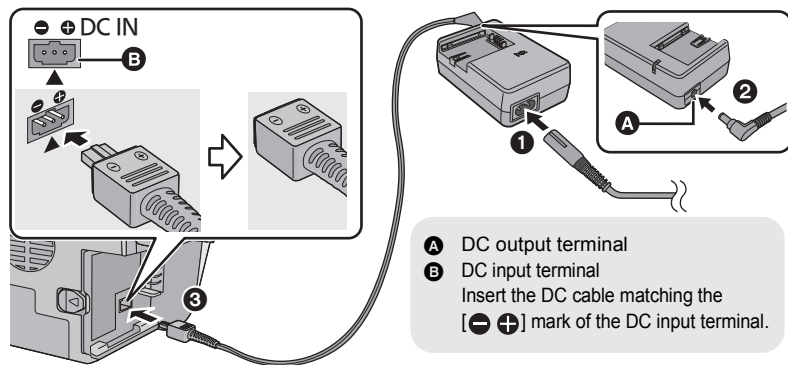
## Connecting to the AC outlet

The unit is in the standby condition when the AC adaptor is connected. The primary circuit is always “live” as long as the AC adaptor is connected to an electrical outlet.

### Important:

**While the DC cable is connected to the AC adaptor, the battery will not charge.**

- Do not use the AC cable with any other equipment as it is designed only for this unit. Also, do not use the AC cable from other equipment with this unit.



- 1** Connect the AC cable to the AC adaptor and the AC outlet.
- 2** Connect the DC cable to the AC adaptor.
- 3** Connect the DC cable to the DC input terminal [DC IN].

- When removing the AC adaptor, be sure to hold down the power button until the status indicator goes off. Then remove the AC adaptor.

# Recording to a card

The unit can record still pictures or motion pictures to an SD card, built-in memory or HDD. To record to an SD card, read the following.

This unit (an SDXC compatible device) is compatible with SD Memory Cards, SDHC Memory Cards and SDXC Memory Cards. When using an SDHC memory card/SDXC memory card with other equipment, check the equipment is compatible with these memory cards.

## Cards that you can use with this unit

Use SD cards conforming to Class 4 or higher of the SD Speed Class Rating\* for motion picture recording.

Card type	Capacity	Motion picture recording	Still picture recording
SD Memory Card	8 MB/16 MB	Cannot be used.	Can be used.
	32 MB/64 MB/ 128 MB/256 MB	Cannot be guaranteed in operation. The recording may suddenly stop during motion picture recording depending on the SD card you use. (→ 130)	
	512 MB/1 GB/ 2 GB	Can be used	
	SDHC Memory Card		
SDXC Memory Card	48 GB/64 GB		

\* The SD Speed Class Rating is the speed standard for successive writes.

- Please confirm the latest information about SD Memory Cards/SDHC Memory Cards/SDXC Memory Cards that can be used for motion picture recording on the following website.

[http://panasonic.jp/support/global/cs/e\\_cam](http://panasonic.jp/support/global/cs/e_cam)  
(This website is in English only.)

- 4 GB or more Memory Cards that do not have the SDHC logo or 48 GB or more Memory Cards that do not have the SDXC logo are not based on SD Memory Card Specifications.

- When the write-protect switch **A** on SD card is locked, no recording, deletion or editing will be possible on the card.

- Keep the Memory Card out of reach of children to prevent swallowing.



## Preparation

Setup

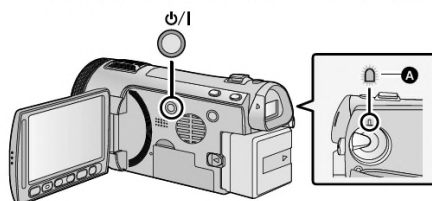
# 3

## Turning the unit on/off

You can turn the power on and off using the power button, the LCD monitor or the viewfinder.

### Turning the power on and off with the power button

Press the power button to turn on the power



#### To turn off the power

Hold down the power button until the status indicator goes off.

**A** The status indicator lights.




## Preparation

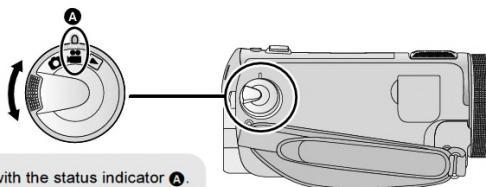
Setup

# 4




## Selecting a mode

Change the mode to recording or playback.

Operate the mode dial to change the mode to ,  or .



• Align with the status indicator **A**.



	Motion picture recording mode (→ 28)
	Still picture recording mode (→ 30)
	Playback mode (→ 34, 79)



## 2

Selecting a media to  
record [HDC-TM700/HDC-HS700]

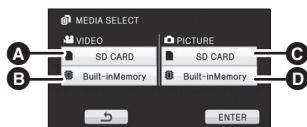
The card, built-in memory, and HDD media can be selected separately to record motion pictures or still pictures.

- 1 Change the mode to  or .
- 2 Select the menu.

(MENU) : [MEDIA SELECT]

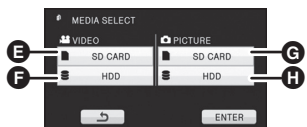
- 3 Touch the media to record motion pictures or still pictures.

[HDC-TM700]



- A [VIDEO/SD CARD]
- B [VIDEO/Built-inMemory]
- C [PICTURE/SD CARD]
- D [PICTURE/Built-inMemory]

[HDC-HS700]




- E [VIDEO/SD CARD]
- F [VIDEO/HDD]
- G [PICTURE/SD CARD]
- H [PICTURE/HDD]



- The media is selected separately to motion pictures or still pictures is highlighted in yellow.

- 4 Touch [ENTER].

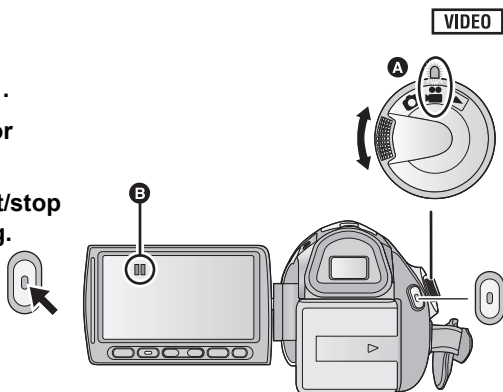
## 3

## Recording motion pictures

- 1 Change the mode to .
- 2 Open the LCD monitor or extend the viewfinder.
- 3 Press the recording start/stop button to start recording.

**B** When you begin recording,  changes to .

- 4 Press the recording start/stop button again to pause recording.



- Align with the status indicator **A**.

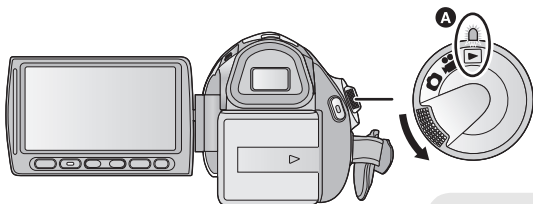
## ■ Screen indications in the motion picture recording mode



- A** Recording mode
- B** Remaining time left for recording  
(When the remaining time is less than 1 minute, [R 0h00m] flashes red.)
- C** Recording time elapsed  
Each time the unit is put into recording pause, the counter display will be reset to "0h00m00s".

# Motion picture/Still picture playback

VIDEO PHOTO



- Align with the status indicator **A**.

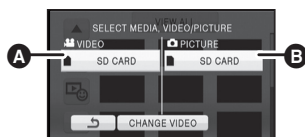
**1** Change the mode to .

**2** Touch the play mode select icon **B**.



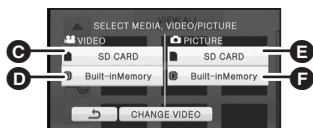
**3** Touch the desired media to be played back motion pictures or still pictures.

HDC-SD700



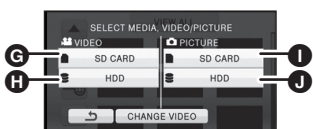
- A** [VIDEO/SD CARD]
- B** [PICTURE/SD CARD]

HDC-TM700



- C** [VIDEO/SD CARD]
- D** [VIDEO/Built-inMemory]
- E** [PICTURE/SD CARD]
- F** [PICTURE/Built-inMemory]

HDC-HS700



- G** [VIDEO/SD CARD]
- H** [VIDEO/HDD]
- I** [PICTURE/SD CARD]
- J** [PICTURE/HDD]

## 4 Touch the scene or the still picture to be played back.

- Next (previous) page can be displayed by touching / .



## 5 Select the playback operation by touching the operation icon.



**A** Operation icon

- Touch / to display/not-display the operation icon.

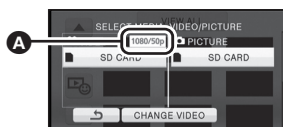
Motion picture playback	Still picture playback
<p>: Playback/Pause</p> <p>: Rewind playback</p> <p>: Fast forward playback</p> <p>: Stops the playback and shows the thumbnails.</p> <p>: Displays the direct playback bar. (→ 80)</p>	<p>: Slide show (playback of the still pictures in numerical order) start/pause.</p> <p>: Plays back the previous picture.</p> <p>: Plays back the next picture.</p> <p>: Stops the playback and shows the thumbnails.</p>

## ■ Play back 1080/50p recorded scenes (→ 52)

- Change the mode to and touch the play mode select icon.

### Touch [CHANGE VIDEO].

- The motion picture media switches between normal and 1080/50p recorded scenes each time [CHANGE VIDEO] is touched.



**A** 1080/50p appears.