

## RC-Z3 Remote Control Panel

All camera menu items can be operated remotely by connecting the RC-Z3 Remote Control Panel. Connect the panel as follows.

- (1) Set camera internal switch SW806 to RC-Z3.

See internal switch selection on page 45 .

- (2) Open the SPECIAL SET menu and set the camera communications rate to 9600 bps (see page 31, factory setting).

### Operation

- (1) Direct control

The following items can be controlled directly as well as from the control panel.

BAR/CAM	ENABLE(ON/OFF)	M.BLK
WHITE BAL	R GAIN	A.WHT
GAIN	B GAIN	A.BLK
DTL	R BLK	SCENTE FILE
IRIS MODE	B BLK	
SHUTTE(ON/OFF)	IRIS	
CONTRST(ON/OFF)		

- (2) MENU controls

All control items are set from menu. Press the FUNCTION button of the remote control panel to produce the menu mode and display the MAIN MENU screen. Again press the FUNCTION button to extinguish the menu screen and return to the direct mode.

Operate the menu with the UP, DOWN, LEFT and RIGHT buttons.

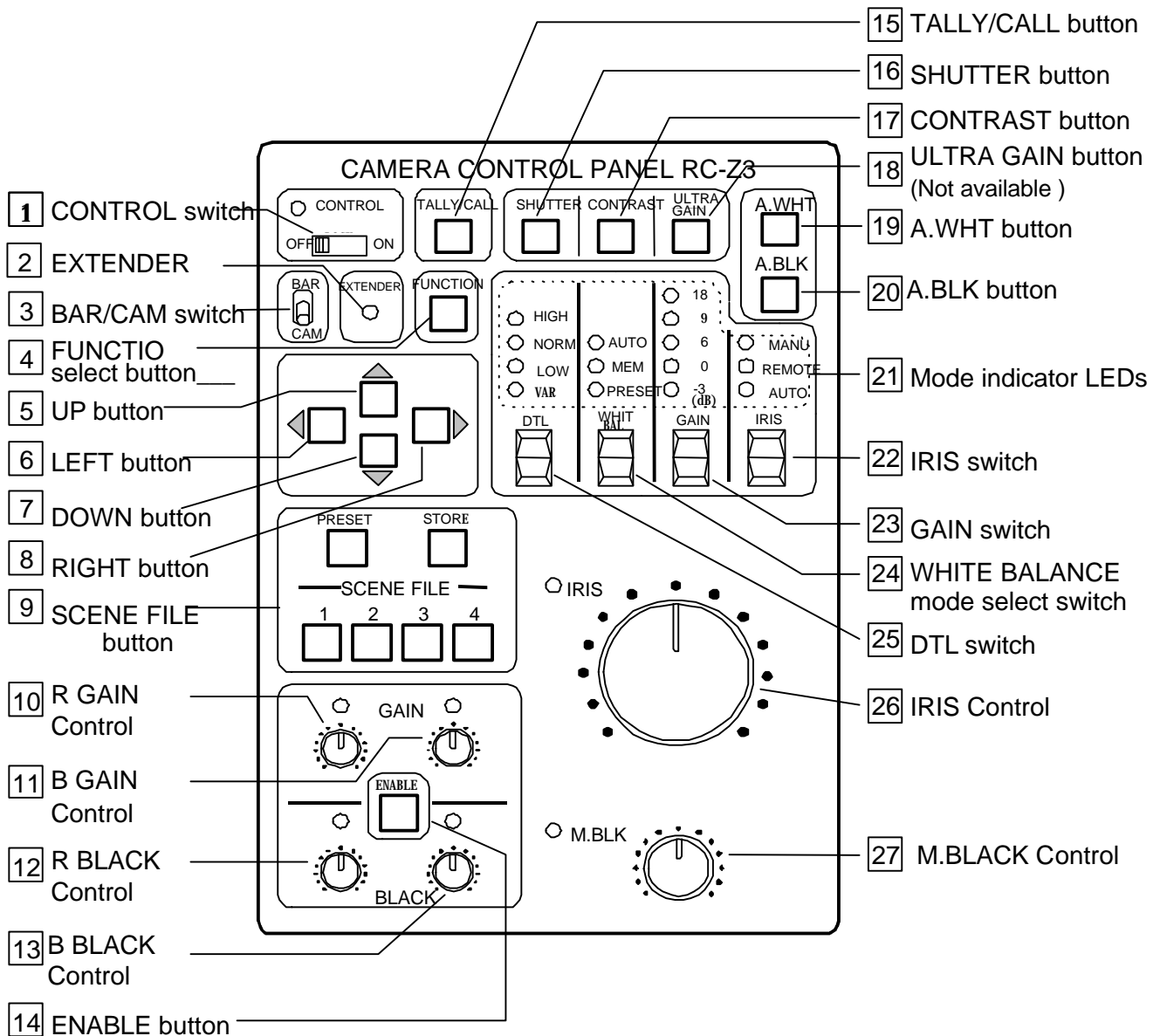
Note: While pressing the UP button presses the FUNCTION button for 2 seconds to produce the special set mode. The SPECIAL SET menu appears.

- (3) Setting data store

Setting data (menu and direct control items) are not automatically stored when using the RC-Z3. Press the RC-Z3 STORE button and the SCENE FILE button of the location for storing the data.

Note: Use care since the data are lost if the application is changed or the power cut off without storing.

# 1. RC-Z3 panel facilities



- 1 CONTROL switch  
ON (red LED) : Normal camera control from.  
LOCK (red LED): All controls and switch RC-Z3 has locked at present settings, except IRIS 26 and M. BLK 27. Prevents accidental or unauthorized operation.  
OFF (green LED): Operation inhibited from RC-Z3. Operate from camera controls and switches.

- 2 EXTENDER LED  
This Extender LED is always extinguished using with the HV-D30 camera.

- 3 BAR/CAM switch  
Selects the camera output signal.  
BAR: Color bar signal output

CAM: Camera video signal output

- 4 FUNCTION select button  
Camera setting menu display button.

- 5 UP, 6 LEFT, 7 DOWN and RIGHT buttons  
Menu screen operating buttons.

- 9 SCENE FILE buttons  
Select camera application files and stores scene file data. Four application files can be used as scene files.

Scene files:

To shoot several scenes with different shooting conditions, it is needed to change settings suitable for each scene. To reduce such troublesome operations, various shooting conditions can be memorized previously to scene files, and the conditions most suitable for a scene can be read and set. The RC-Z3 is provided with four files, and four different shooting conditions can be memorized.

#### (1) File selection

Press the following buttons to change the camera and RC-Z3 settings.

PRESET: Produces the standard setting mode

SCENE FILE 1: FILE-1 (scene file 1) setting mode

SCENE FILE 2: FILE-2 setting mode

SCENE FILE 3: FILE-3 setting mode

SCENE FILE 4: FILE-4 setting mode

Note: The pressed SCENE FILE button lights, then flashes when the application file data are changed. Flashing continues if the data are changed or the original value is returned. When again pressed, the button lights steadily.

#### (2) Setting data store

The Store function is used to save the application file item data. The common file item data are saved during adjustment and operation.

Store operation

After entering the settings with the menu screen and RC-Z3, press the STORE button (the STORE button flashes). Then press the desired SCENE FILE button for storing the settings (STORE button extinguishes).

Store release

While the STORE button is flashing, again press the button. The STORE button extinguishes and the mode is released.

File data copy

Press the Preset or SCENE FILE button of the source, then press the STORE button (flashes). Next press the SCENE FILE button of the destination file. The settings are copied and stored in the designated file.

Store operation notes:

1. After adjustment and operation with the RC-Z3, neglecting the Store operation before pressing a file button loses the adjustment and setting item data. The output is the designated file data prior to adjustment and operation.
2. After adjustment and operation with the RC-Z3, neglecting the Store operation before cutting off the power loses the adjustment and setting item data. The output is the designated file data prior to adjustment and operation.

Be sure to conduct the Store operation when desiring to save the data after adjustment and operation.

In this case, the data prior to Store are deleted.

**10**R GAIN and **11** GAIN control

Red and blue video signal gain can be adjusted. Press the ENABLE **14** button (lights) to allow adjusting.

Adjustment is coarse when the WHITE BALANCE mode select switch **24** is set to Preset and fine when set to Memory.

**12**R BLACK and **13** BLACK control

Red and blue video signal black level can be adjusted. Press the ENABLE **14** button (lights) to allow adjusting.

Note: When CAM MODE AUTO, R & B black cannot be adjusted.

**14**ENABLE button

ON : Button lights to indicate R & B gain and R & B black adjustments are effective.

OFF: Adjustments are ineffective when the ENABLE button is extinguished.

Note: When CAM MODE AUTO, the ENABLE button is ineffective.

**15**TALLY/CALL button

TALLY/CALL button lights when pressed. However, function is ineffective in the HV-D30 camera.

**16**SHUTTER button

Shutter on/off; lights when on.

Note: When CAM MODE AUTO, the Shutter button is ineffective.

**17**CONTRAST button

Contrast on/off; lights when on.

Note: Inoperative with gamma off (gamma set to off at SUB MENU 2 of menu mode).

**18**ULTRA GAIN button

Ultra gain on/off. However, function is ineffective in the HV-D30 camera.

**19** A.WHT button

Direct mode: At White balance mode MEM, press A.WHT to conduct automatic white balance (button lights). The resulting data are stored in application file memory.

Menu mode: A.WHT button operation is inhibited.

**20** A.BLK button

Direct mode: Press A.BLK to conduct automatic black balance (button lights).

**21** Mode indicator LEDs

Indicate status of switches below LEDs.

**22** IRIS switch

Sets lens iris mode.

Press the switch upward to set the mode in the sequence AUTO→REMOTE→MANUAL.

AUTO : Automatic iris operation

REMOTE: Iris is adjusted by the iris control **26**

MANUAL: Set the lens A/M switch to M and adjust the lens iris ring manually.

Note: When using the video type lens, REMOTE and MANUAL function is ineffective in the HV-D30 camera.

**23** GAIN switch

Sets the camera sensitivity. Press the switch upward to select the sensitivity in the sequence 0→3→6→9→12→15→18→21→24 dB. The sensitivity setting is indicated by the combined GAIN LED indication.

Note: When CAM MODE AUTO or AGC ON, the -3dB GAIN LED indicated all the time.

**24** WHITE BALANCE mode select switch

The white balance mode can be selected in the sequence PRESET → MEM →AUTO.

PRESET: Optimum white balance at 3200 K and 5600 K color temperature. Select between 3200 K and 5600 K in the menu mode at W. PRST MODE of the MAIN MENU screen.

MEM : Press the A.WHT button **19** for automatic white balance adjustment. Select between 3200 K and 5600 K in the menu mode at W. MEM MODE of the MAIN MENU screen.

AUTO : White balance is automatically adjusted in real time (ATW)

When the RC-Z3 white balance mode is set to MEM and AUTO, at the MAIN MENU, W. MEM MODE is indicated and at PRESET, W.PRST MODE is indicated.

Note: When CAM MODE AUTO, camera white balance is automatic.

Selection from the RC-Z3 select switch is ineffective.

**25** DTL switch

Camera detail setting.

Press the switch to select in the sequence VARIABLE→LOW→NORMAL→HIGH. During VAR, the mode indicator LEDs show the detail amount; in the menu mode, the MAIN MENU screen DTL setting is OFF or VAR.

**26** IRIS control

Adjusts the lens iris as follows.

AUTO : OVER-RIDE (fine adjustment about  $\pm$  F-stops) can be adjusted

REMOTE: Adjustable in the range from fully open to fully closed

MANUAL: Iris is not adjustable from the RC-Z3 (adjust by manually turning the lens iris ring).

**27** M. BLK control

Adjusts the master black level

## **2. Menu screen composition**

Camera settings other than the RC-Z3 items can be customized using the main and special set menus.

The menu structure is same as one of camera.