

MENU SETTING

**TK-C9200U/TK-C9200E/TK-C9201EG/
TK-C9300U/TK-C9300E/TK-C9301EG/
TK-C2201U/TK-C2201E/
TK-C2201WPU/TK-C2201WPE**

Conventions and symbols

Note : Indicates operating precautions.

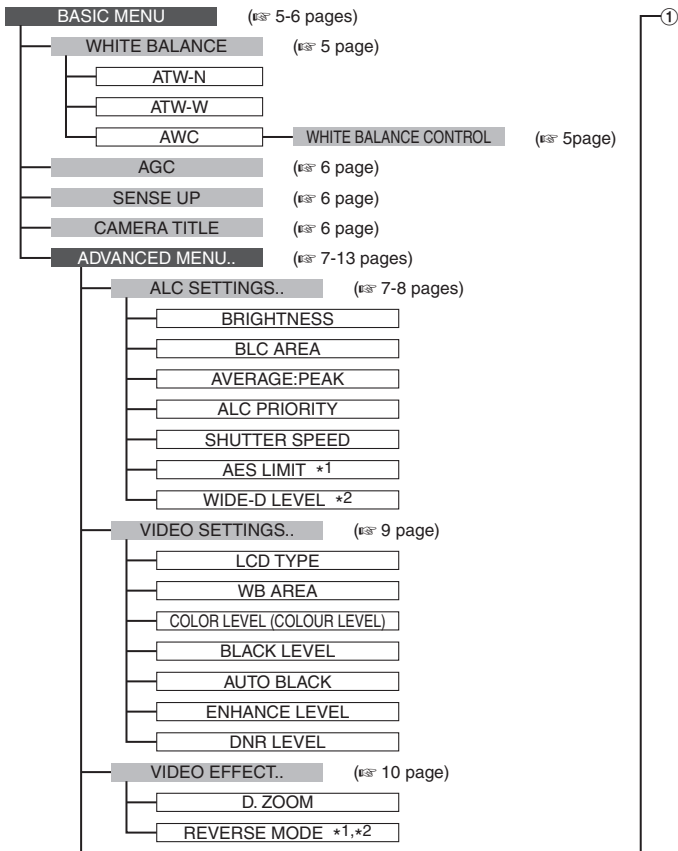
Memo : Indicates reference data regarding limitations on functions, usage and the like.

 : Indicates a reference page or item.

Contents of this manual

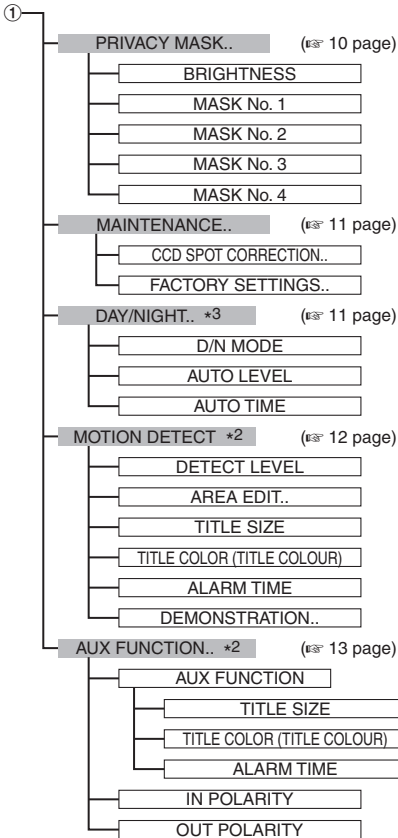
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The Flow of Menu Screen



*1 : TK-C9200U/TK-C9200E/TK-C9201EG only

*2 : TK-C9300U/TK-C9300E/TK-C9301EG only



*3 : TK-C9300U/TK-C9300E/TK-C9301EG/TK-C2201WPE only

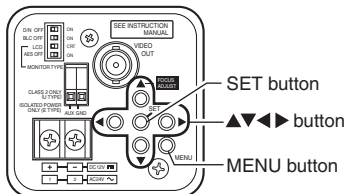
Menu Setting Procedure

Menu Setting Procedure

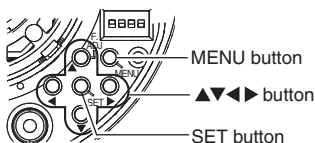
- 1 Press the [MENU] button.
- 2 Set the cursor (▷) to a desired menu item with the [▲/▼] button.
- 3 Change the setting with the [◀/▶] button.
When a setting has been changed, a change mark (※) is displayed.
- 4 Press the [MENU] button to exit the setting.

Memo To display the sub-menu, set the cursor (▷) to an item with sub-menu and press the [SET] button.

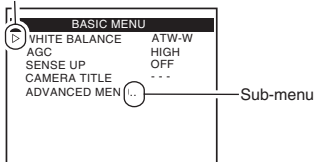
TK-C9200/9201/9300/9301



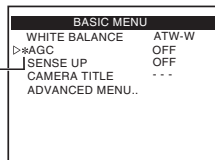
TK-C2201



Cursor



Change mark



WHITE BALANCE Screen

This menu item allows to adjust camera white balance.

[Setting values : ATW-N, ATW-W, AWC] (Default value: ATW-W)

ATW-N : This is the ATW (Auto-Tracking White Balance) mode. The camera adjusts the white balance automatically according to the color temperature of the scene illumination (color temperature 3200 K to 8000 K).

ATW-W: This mode supports a wider range of color temperature (color temperature 2300 K to 10000 K) than ATW-N.

AWC : This is the AWC (preset white balance adjustment) mode.
Press the [SET] button to display the [WHITE BALANCE CONTROL] screen.

WHITE BALANCE CONTROL Screen

AWC SET

Press the [SET] button to adjust and preset the white balance automatically.

Memo When the [SET] button is pressed during black-and-white operation, "AWC ERROR:LOW LIGHT" appears and white balance cannot be preset.

R GAIN

Adjusts the R (red) hue during AWC. The larger the number, the more reddish the color becomes.

[Setting values : 0 to 255]

B GAIN

Adjusts the B (blue) hue during AWC. The larger the number, the more bluish the color becomes.

[Setting values : 0 to 255]

BASIC MENU

AGC

This item sets the AGC (Automatic Gain Control).

[Setting values : OFF, MID, HIGH] (Default value: MID)

Memo When set to "HIGH", the screen appears grainy in dark places.

SENSE UP

Electronic Sense Up is a function that provides higher sensitivity level by lengthening the exposure time. Use this item to set the number of times to increase sensitivity when the subject becomes dark.

[Setting values : OFF, x2, x4, x8, x16, x32, x64, x128] (Default value: OFF)

- Setting example

When set to "x32", the sensitivity increases automatically until 32 times from the standard level. Motion may become unnatural when the sensitivity increases as shutter speed will decrease.

Memo When the setting value is increased, the screen may appear grainy, whitish, or white spots may appear; this is not a camera malfunction. This setting takes priority over [SHUTTER SPEED].

CAMERA TITLE

This item sets the title to be displayed on the bottom left of the screen.

[Setting values : --- (no title), CAM001 to CAM256]

ALC SETTINGS Screen

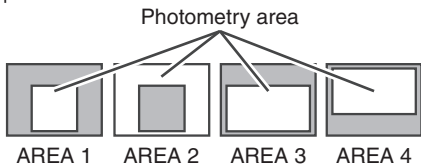
BRIGHTNESS

Adjusts video signal brightness level. The larger the value, dark area becomes more visible. The smaller the value, bright area becomes more visible.

[Setting values : -5 to NORMAL to 5] (Default value: NORMAL)

BLC AREA

Press the [SET] button to display the fixed photometry area. Select one of the following four types.



[Setting values : AREA1 to AREA4] (Default value: AREA1)

Memo When the BLC (backlight compensation) selector switch is set to "OFF", [BLC AREA] does not work even if it is set.

AVERAGE:PEAK

Sets the exposure detection method to the ratio of the AVERAGE value and PEAK value.

[Setting values : 10:0, 9:1, 8:2, 7:3, 6:4, 5:5] (Default value: 8:2)

• Setting example

10:0 : When the screen, other than the highlighted section, becomes dark, increase the AVERAGE value like in the example.

5:5 : When halation occurs on the highlighted section of the screen, increase the PEAK value like in the example.

ALC PRIORITY

Sets whether to prioritize motion or picture quality when the subject becomes dark.

[Setting values : MOTION, COMBO, PICTURE] (Default value: MOTION)

ADVANCED MENU

MOTION : Prioritizes motion. AGC (Automatic Gain Control) operates with priority.

COMBO : Adjusts motion and picture quality equally.

PICTURE : Prioritizes picture quality. SENSE UP (Electronic Sense Up) operates with priority.

Memo When [AGC] or [SENSE UP] is set to "OFF", "ALC PRIORITY" does not work even if it is set.

SHUTTER SPEED

Sets the speed of the electronic shutter. The higher the shutter speed, the smear phenomenon due to the characteristic of the CCD where white, vertical stripes appear around a bright light source will be emphasized.

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[Setting values : 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000]

(Default value: 1/60)

• TK-C9300E/TK-C9301EG/TK-C9200E/TK-C9201EG/TK-C2201E/TK-C2201WPE

[Setting values : 1/50, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000]

(Default value: 1/50)

- Memo**
- [SHUTTER SPEED] can be set only when the [AES ON/OFF] switch is set to "ON" and [SENSE UP] set to "OFF". (TK-C9200U/TK-C9200E/TK-C9201EG only)
 - [SHUTTER SPEED] can be set only when the [SENSE UP] set to "OFF". (TK-C2201U/TK-C2201E/TK-C2201WPU/TK-C2201WPE only)
 - [SHUTTER SPEED] can be set only when the [WIDE-D ON/OFF] switch is set to "OFF" and [SENSE UP] set to "OFF". (TK-C9300U/TK-C9200E/TK-C9301EG only)
-

AES LIMIT(TK-C9200U/E, TK-C9201EG)

Activates the automatic electronic shutter (AES) within the range of shutter speed that is set.

[Setting values : 1/1000, 1/2000, 1/4000, 1/10000, 1/20000, 1/40000, 1/100000]

(Default value: 1/100000)

Memo When the AES on/off switch is set to "OFF", [AES LIMIT] does not work even if it is set.

WIDE-D LEVEL(TK-C9300U/E, TK-C9301EG)

Enables subjects with a high contrast to be seen clearly and naturally. The larger the value, the higher the contrast. The smaller the value, the lower the contrast.

[Setting values : -5 to NORMAL to 5] (Default value: NORMAL)

Memo When the [WIDE-D] switch is set to "OFF", [WIDE-D LEVEL] does not work even if it is set.

VIDEO SETTINGS Screen

LCD TYPE

Enables settings to be made according to preference when using a LCD (Liquid Crystal Display).

[Setting values : TYPE1, TYPE2] (Default value: TYPE1)

Memo When the MONITOR TYPE selector switch is set to "CRT", [LCD TYPE] does not work even if it is set.

WB AREA (WHITE BALANCE AREA)

Sets the white balance target area. When set to "ON", the area specified in [WB AREA] is set as target.

[Setting values : OFF (whole screen), ON (set area)] (Default value: OFF)

COLOR LEVEL (U model), COLOUR LEVEL (E/EG model)

Adjusts video signal color level.

[Setting values : -5 (lighten the color) to NORMAL to 5 (darken the color)]
(Default value: NORMAL)

Memo When [AUX FUNCTION] is set to "OUT:B&W" or during B/W mode, [COLOR LEVEL (COLOUR LEVEL)] does not work even if it is set.

BLACK LEVEL

Adjusts the black level of the video signal under low illumination.

[Setting values : -5 (low level) to NORMAL to 5 (high level)] (Default value: NORMAL)

AUTO BLACK

Adjusts the black level of the video signal.

[Setting values : OFF, ON] (Default value: ON)

ENHANCE LEVEL

Adjusts contour correction to enhance sharpness on the monitor screen.

[Setting values : -5 (soft) to NORMAL to 5 (sharp)] (Default value: NORMAL)

ADVANCED MENU

DNR LEVEL

Sets DNR (Digital Noise Reduction). When set to "HIGH", noise is effectively reduced but picture quality of the video deteriorates.

[Setting values : NORMAL, HIGH] (Default value: NORMAL)

Memo Set DNR (Digital Noise Reduction). Setting to "HIGH" will improve the DNR effect but afterimage is likely to occur for moving subjects.

VIDEO EFFECT Screen

D.ZOOM

Sets electronic zoom magnification ratio.

[Setting values : WIDE (x1), MID (x1.4), TELE (x2)] (Default value: WIDE)

Memo As the video is digitally processed when electronic zoom is used, picture quality may deteriorate slightly.

REVERSE MODE(TK-C9300U/E, TK-C9301EG, TK-C9200U/E, TK-C9201EG)

Enables the reverse mode to be set. When set to "ON", the image is inversed horizontally and vertically.

[Setting values : OFF, ON] (Default value: OFF)

PRIVACY MASK Screen

This function allows you to set and mask the parts on the screen that you do not wish to shoot so that they are not recorded.

For details, refer to "Setting the Privacy Mask" (☞ page 15) .

BRIGHTNESS

Sets the brightness of the part of the image that was masked. The smaller the value, the darker the image. The larger the value, the brighter the image.

[Setting values : 0 to 10 to 15] (Default value: 10)

MASK No.1-4

[Setting values : OFF, ON] (Default value: OFF)

Memo Privacy mask can be individually set for each number. Up to four masked areas can be set. Set to "ON" and press the [SET] button to display the mask setting screen.

MAINTENANCE Screen

CCD SPOT CORRECTION

Compensates for white spots on the CCD. Press the [SET] button to display the items for selection.

[Items for selection : CANCEL, EXECUTE]

CANCEL : Returns to the MAINTENANCE screen.

EXECUTE : Executes white spot compensation on the CCD.

Memo Attach the lens cap before executing white spot compensation on the CCD. Also, turn on the power for 30 minutes to warm up the camera before execution.

FACTORY SETTINGS

The values set on the menu screen are returned to the default settings. Press the [SET] button to display the items for selection.

[Items for selection : CANCEL, CLEAR(W/O TITLE), CLEAR(ALL)]

CANCEL : Returns to the MAINTENANCE screen.

CLEAR(W/O TITLE) : Returns setting values except for TITLE to the default.

CLEAR(ALL) : Returns all setting values to the default.

DAY/NIGHT Screen (TK-C9300U/E, TK-C9301EG)

D/N MODE

Sets the displayed video when the Day/Night function is set to "ON" or "AUTO". When set to "B&W", the IR cut filter is switched off and the sensitivity is increased.

[Setting values : B&W (black-and-white), AUTO (black-and-white/color)] (Default value: AUTO)

Memo When the DAY/NIGHT selector switch is set to "OFF" or [AUX FUNCTION] is set to "IN : D/N", [D/N MODE] cannot be set.

AUTO LEVEL

Sets the brightness level where the camera will switch between color and black-and-white.

[Setting values : DARK, NORMAL, BRIGHT] (Default value: NORMAL)

AUTO TIME

Sets the detection time of the brightness level. The camera switches between color and black-and-white when the brightness level is detected after the selected period of time.

[Setting values : 0s, 10s, 20s, 30s] (Default value: 30s)

ADVANCED MENU

MOTION DETECT Screen (TK-C9300U/E, TK-C9301EG)

Motion Detect displays the alarm title and outputs an alarm signal when there are movements in the image. Alarm signal is output from the AUX terminal on the rear panel.

DETECT LEVEL

Sets the level to detect movements. The larger the value, the higher the sensitivity. The smaller the value, the lower the sensitivity.

[Setting values : -5 to NORMAL to 5] (Default value: NORMAL)

Memo Even the flicker of a fluorescent lamp can be detected when a high value is set.

After setting, make sure to check the operation of the Motion Detect function using [DEMONSTRATION].

AREA EDIT

Sets the detection area of Motion Detect.

TITLE SIZE

Sets the size of the text displayed when Motion Detect is functioning. When set to "DOUBLE", the text displayed will be twice the size of the text in the menu.

[Setting values : NORMAL, DOUBLE] (Default value: DOUBLE)

TITLE COLOR (U model), TITLE COLOUR (E/EG model)

Sets the color of the title displayed when Motion Detect is functioning.

[Setting values : WHITE, GREEN, CYAN, YELLOW] (Default value: WHITE)

ALARM TIME

Sets the output time of the alarm signal and the time to display alarm on the screen.

[Setting values : OFF, 5s to 10s, 15s, 20s, 30s, 60s] (Default value: 5s)

DEMONSTRATION

Use this to check whether the Motion Detect function is set correctly. Press the [SET] button to start the demonstration.

AUX FUNCTION Screen (TK-C9300U/E, TK-C9301EG)

AUX FUNCTION

Sets the input/output signal of the AUX terminal.

[Setting values : IN:ALARM, IN:D/N, OUT:ALARM, OUT:B&W]

(Default value: IN:ALARM)

IN:ALARM : Displays image on the monitor when alarm signal is input from the AUX terminal.

IN:D/N : Switches image to the color/black-and-white mode when alarm signal is input from the AUX terminal.

OUT:ALARM : Outputs alarm signal to the AUX terminal when movements are detected.

OUT:B&W : Outputs alarm signal to the AUX terminal when the image switches to black-and-white.

Memo When "IN:ALARM" is selected, press the [SET] button to display the sub-menu. You can set the [TITLE SIZE], [TITLE COLOR], [TITLE COLOUR] and [ALARM TIME] items on the sub-menu.

If D/N switch is OFF, "IN:D/N" can not be selected. If D/N switch is changed to OFF during "IN:D/N" is displayed, "IN:D/N" is changed to "OFF".

■ TITLE SIZE

Sets the size of the title displayed when alarm signal is input. When set to "DOUBLE", the text displayed will be twice the size of the text in the menu.

[Setting values : NORMAL, DOUBLE] (Default value: DOUBLE)

■ TITLE COLOR (U model), TITLE COLOUR (E/EG model)

Sets the color of the title displayed when alarm signal is input.

[Setting values : WHITE, GREEN, CYAN, YELLOW] (Default value: WHITE)

■ ALARM TIME

Sets the time to display alarm on the screen when alarm signal is input.

[Setting values : 5s to 10s, 15s, 20s, 30s, 60s] (Default value: 5s)

IN POLARITY

Sets the polarity of the input alarm signal.

[Setting values : MAKE (short), BREAK (open) (Default value: MAKE)

Setting Examples

Memo When the [AUX FUNCTION] switch is set to "OUT:ALARM" or "OUT:B&W", [IN POLARITY] does not work even if it is set.

OUT POLARITY

Sets the polarity of the output alarm signal.

[Setting values : MAKE (short), BREAK (open) (Default value: MAKE)

Memo When the [AUX FUNCTION] switch is set to "IN:ALARM" or "IN:D/N", [OUT POLARITY] does not work even if it is set.

Manual Adjustment of White Balance

White balance of this camera can be set to adjust automatically according to the subject.

When the automatic adjustment results in a "reddish screen" for example, adjust the white balance manually.

- 1 Set the [WHITE BALANCE] item on the menu screen to "AWC" and press the [SET] button.**
- 2 Press the [▲/▼] button to select the hue ([R GAIN]/[B GAIN]).**
- 3 Press the [◀▶] button to change the hue setting.**
The hue changes according to the selected value.
- 4 Press the [MENU] button to exit the manual adjustment of white balance.**

Memo The settings of [R GAIN] and [B GAIN] work during color operation. To adjust the setting value, do so during color operation.

BASIC MENU	
▷ WHITE BALANCE	ATW-W
AGC	HIGH
SENSE UP	OFF
CAMERA TITLE	- - -
ADVANCED MENU..	

[BASIC MENU] Screen

WHITE BALANCE CONTROL	
▷ AWC SET	
R GAIN	160
B GAIN	160

[WHITE BALANCE CONTROL] Screen

Setting the Privacy Mask

- 1 Select the [ADVANCED MENU] item on the menu screen and press the [SET] button.
- 2 Select the [PRIVACY MASK] item with the [▲/▼] button and press the [SET] button.

The PRIVACY MASK screen appears on the monitor.

- 3 Select the mask number with the [▲/▼] button and set "ON"/"OFF" with the [◀▶] button, then press the [SET] button.

ON : Activates privacy mask.

OFF: Deactivates privacy mask.

- 4 Edit the left/upper margin of the mask with the [▲/▼/◀▶] button.
- 5 Press the [SET] button.

The screen to edit the right/lower margin of the mask appears.

- 6 Edit the right/lower margin of the mask with the [▲/▼/◀▶] button.

Memo Press the [SET] button to switch between the screen to edit the left/upper margin of the mask and the screen to edit the right/lower margin of the mask.

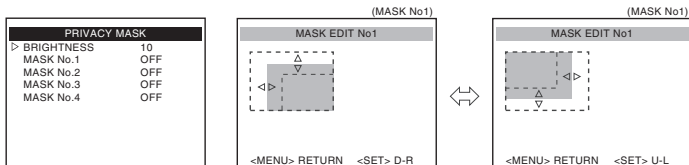
- 7 Press the [MENU] button.

The mask boundary of the selected number is saved and the screen returns to the PRIVACY MASK screen.

- 8 Repeat steps 3 to 7 to set all desired masks (MASK No.1 to MASK No.4).

- 9 Press the [MENU] button to exit.

Returns to the ADVANCED MENU screen.



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MENU SETTING

JVC