

4. Input/output signal settings

4-3. Setting the DVI input signals (option)

4-3-1. Setting the DVI input signals

The user can set the DVI input signals when the DVI input board (option) has been connected. Signals with the following resolutions can be input. If signals with any other resolution or frequency are input, the picture will turn black.

- XGA (1024×768), 60 Hz
- WXGA (1280×768), 60 Hz
- SXGA (1284×1024), 60 Hz

- ① Press the [FUNC] button to light its indicator, and press the [IN/OUT] button to display the IN/OUT menu.
- ② Turn [F1] to display the DVIIN sub menu.

<Menu display>

DVIIN	Signal	Mode	Scale	Auto↓
10/15	IN5	Dig	Fit-V	Black
	IN5-8	Ana	Fit-H	White
			Full	Init

- ③ Turn [F2] to select the input signal using the Signal item, and turn [F3] to select the signal system using the Mode item.

Dig: Digital input signals of the DVI connector are effective.

Ana: Analogue input signals of the DVI connector are effective.

- ④ Turn [F4] to select the scaling method.

Fit-V: The aspect ratio of the input images is maintained, and the size of the images is increased or reduced in accordance with the vertical resolution.

Fit-H: The aspect ratio of the input images is maintained, and the size of the images is increased or reduced in accordance with the horizontal resolution.

Full: The size of the input images is increased or reduced in accordance with the system resolution. (The aspect ratio of the input images is not kept the same. The rate at which the image size is increased or reduced in the vertical direction and in the horizontal direction differs.)

For details on the sizes that correspond to the formats, refer to “DVI input scaling size table” on the next page.

- ⑤ The black level (offset) and white level (gain) of the analogue input signals are adjusted automatically. Depending on the personal computer used, there may be some deviation from the correct levels of the black level or white level.

To proceed with automatic adjustment to correct this deviation, display the black-and-white signals (BW.bmp) on the supplied CD-ROM or the full-screen black signals and full-screen white signals on the personal computer connected to the DVI input connector, and input these signals as the DVI input signals. When using the black-and-white signals, position them so that the boundary between black and white comes to the centre of the monitor screen.

When using the full-screen black signals or full-screen white signals, display the black or white in an area that covers at least 80 % of the screen from the screen centre.

Before making any adjustments, follow the instructions given in the “Automatic adjustment of the black level” section.

Automatic adjustment of the black level

Input the black-and-white signals (BW.bmp) or full-screen black signals.

Turn [F5] to select “Black” in the Auto item, and press [F5] to adjust the black level automatically.

After the level has been adjusted, an asterisk (*) appears to the left of Black.

Automatic adjustment of the white level

Input the black-and-white signals (BW.bmp) or full-screen white signals.

Turn [F5] to select “White” in the Auto item, and press [F5] to adjust the white level automatically.

After the level has been adjusted, an asterisk (*) appears to the left of White.

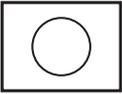
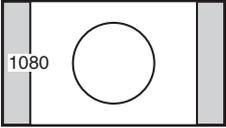
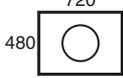
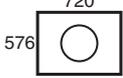
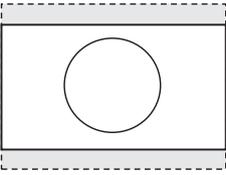
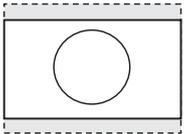
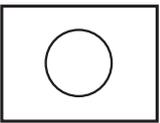
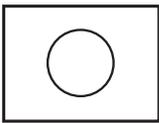
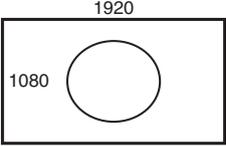
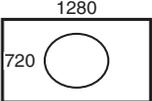
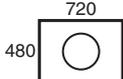
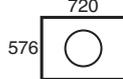
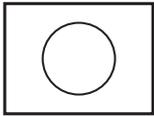
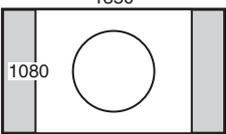
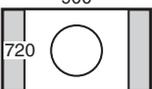
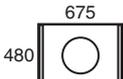
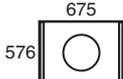
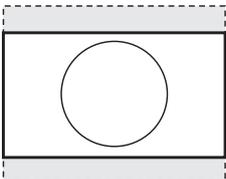
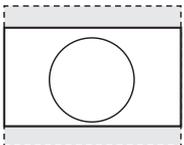
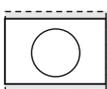
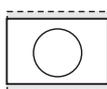
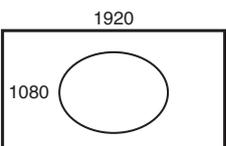
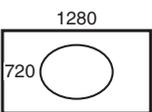
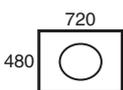
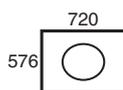
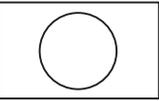
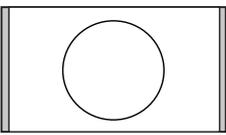
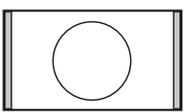
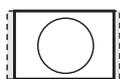
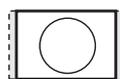
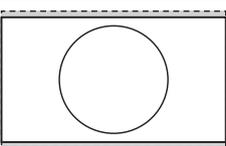
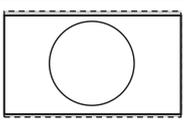
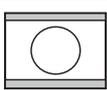
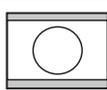
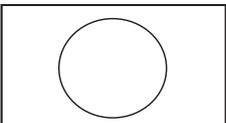
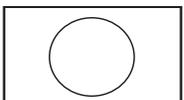
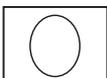
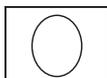
Initializing the adjusted values

Turn [F5] to select “Init” in the Auto item, and press [F5] to return the adjusted values to their factory settings.

At this time, the asterisk (*) displayed on the left is cleared.

4. Input/output signal settings

<DVI input scaling size table>

DVI format	Mode	HD/1080i	HD/720P	SD/NTSC	SD/PAL
		1920 × 1080	1280 × 720	720 × 480	720 × 576
XGA 1024×768 	Fit-V	1440 	960 	720 	720 
	Fit-H				
	Full	1920 	1280 	720 	720 
SXGA 1280×1024 	Fit-V	1350 	900 	675 	675 
	Fit-H				
	Full	1920 	1280 	720 	720 
WXGA 1280×768 	Fit-V				
	Fit-H				
	Full				

 : Black images are inserted here.
 : The parts of the images protruding in these areas are cropped.

4. Input/output signal settings

4-3-2. Adjusting the DVI input signals

Adjust the clock/phase and position of the DVI input signals.

- ① Press the [FUNC] button to light its indicator, and press the [IN/OUT] button to display the IN/OUT menu.
- ② Turn [F1] to display the DVIPhs sub menu.

<Menu display>

DVIPhs	Signal	ClkPhs	H-Pos	V-Pos
11/15	IN5	0	0	0
	IN5-8	-16	-100	-100
		+15	+100	+100

- ③ Turn [F2] to select the input signal using the Signal item.
- ④ Turn [F3] to adjust the clock phase of the analogue input signals using the ClkPhs item.
While viewing the image quality, set the value at which the noise level is minimized.
- ⑤ Turn [F4] to adjust the horizontal position using the H-Pos item.
- ⑥ Turn [F5] to adjust the vertical position using the V-Pos item.