

Further information regarding focus adjustment of the cameras with Day & Night function

This document explains how to avoid the out-of-focus which occurs when switching the mode (between color and black & white) of the cameras with “auto back focus (ABF)” or “auto focus (lens AF)” in addition to the “Day & Night” function.

- In what environment do cameras go out of focus when switching between the color mode and the black & white mode?

In case that the subject is under low illumination and the environment does not meet the condition of auto focus function to operate properly when switching the mode. (In addition to the above low illumination, also when capturing a spotlight such as street light or a flat subject.)

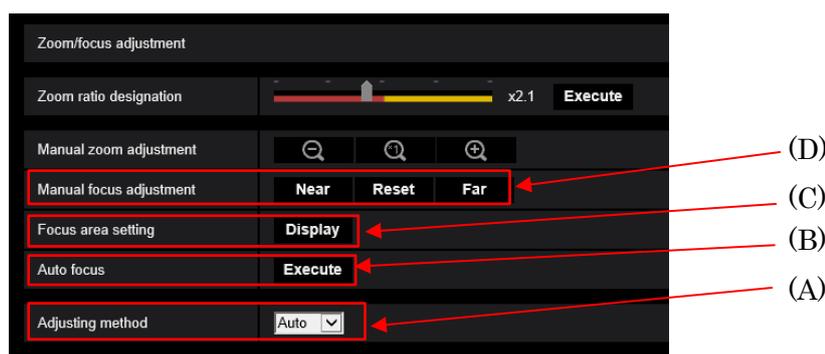
- How should the focus be adjusted?

The adjusting method differs from the option selected in “Adjusting method ((A) in the below screen shot)”.

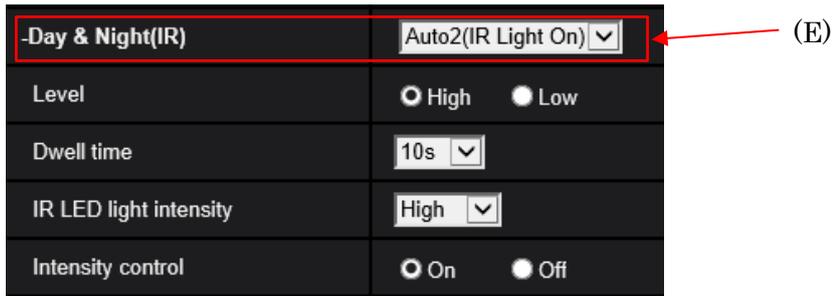
How to go to the “Adjusting method” setting screen:

From the Setup menu > [Image/Audio] > [Image quality] > [Zoom/Focus adjustment] (or [Back focus] or [Focus])> [Setup>>] > [Adjusting method].

Sample screen of WV-S1531 and S2531



▲ [Zoom/Focus adjustment] screen on the [Image/Privacy] tab



▲ [Image quality] tab> [Image adjust] setup menu > [Day & Night]

Please follow the steps for each adjusting method below (with the recommended order) to adjust the focus for "Day & Night" mode switching.

1) When "**Auto**" is selected for (A) [Adjusting method] :

1)-1 In case of capturing a subject with a spotlight such as street light during night-time in black & white mode, avoid the spotlight by specifying the subject in (C) [Focus area setting] on the same setting screen.

1)-2 Click "Execute" in (B) [Auto focus (Auto back focus)] on the same setting screen to confirm the focus accuracy.

Note: As the focus position adjusted in black & white mode is memorized as the original position, please do not readjust the focus in (B) [Auto focus (Auto back focus)] or (D) [Manual focus adjustment] during the daytime in color mode after those steps above.

2) When "**Preset**" is selected for (A)[Adjusting method]:

2)-1 Adjust the focus in (B) [Auto focus (Auto back focus)] or (D) [Manual focus adjustment] on the same setting screen during the daytime in color mode.

2)-2 Adjust the focus in (B) [Auto focus (Auto back focus)] or (D) [Manual focus adjustment] on the same setting screen during night-time in black & white mode.

2)-3 (In case you cannot adjust the focus manually during night-time in black & white mode)

In [Image adjust] > select "On" in the (E) [Day & Night] drop-down menu to force switching to the black & white mode, and then adjust the focus with (B)[Auto focus (Auto back focus)] or (D) [Manual Focus Adjustment] on the [Zoom/Focus adjustment] screen.

※Select [IR Light On] or [IR Light Off] in (E) [Day & Night] depending on whether the IR Light needs to be activated or not.

2)-4 Switch the setting of (E) [Day & Night] back to the original option "Auto2 (IR Light On)" or "Auto1 (IR Light Off)".

3) When “**Fix**” is selected for (A) [Adjusting method] :

3)-1 Adjust the focus in (B) [Auto focus (Auto back focus)] or (D) [Manual focus adjustment] on the same setting screen during the daytime in color mode.

→ As the focus is fixed the whole time, it stays on the same position adjusted in 3)-1 during night-time in the black & white mode as well.

3)-2 Confirm if the reduction in the focus accuracy is acceptable level during night-time in the black & white mode.

■ Details on each “Adjusting method”

Adjusting method	Detailed behaviors	Focus position in each mode	
		In color mode	In black & white mode
Auto	Automatically adjusts the focus when the mode is switched to another from the original mode in which focus was adjusted and memorized as the original position by ABF (AF) or manually. When the mode is switched back, the focus returns to the original position.	The latest focus position adjusted by ABF (AF) or manually in color mode (The original position)	ABF (AF) automatically adjust the focus
	Example: If you execute ABF manually in color mode and then switch to the black & white mode, ABF automatically operates and adjust the focus, and then when switching back to the color mode, ABF does not operate and the focus returns to the original position already set manually in color mode.	ABF (AF) automatically adjust the focus	The latest focus position adjusted by ABF (AF) or manually in black & white mode (The original position)
Preset	The focus returns to the position adjusted in each mode when switching between the color mode and the black & white mode.	The focus position adjusted by ABF (AF) or manually in color mode	The focus position adjusted by ABF (AF) or manually in black & white mode
Fix	Fix the focus at the position adjusted by ABF (AF) or manually (Stays on the same position in both color mode and black & white mode)	The latest focus position adjusted by ABF (AF) or manually in color or black & white mode	