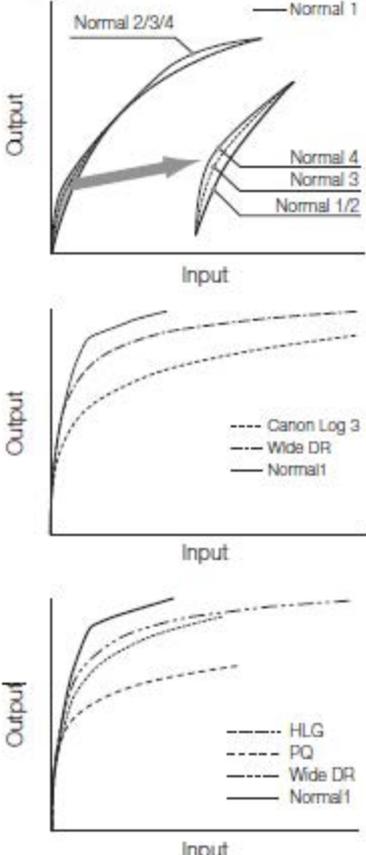


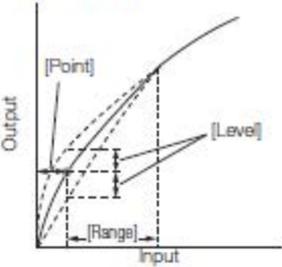
Available Custom Picture Settings

[CP] [1] Custom Picture] Menu

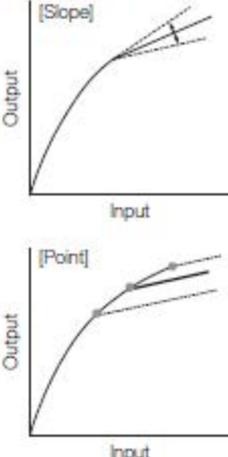
| Menu items | Setting options and additional information |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Preset] | <p>For XF-HEVC clips: [Normal1 : BT.709], [Normal1 : BT.2020], [Wide DR : BT.709], [Wide DR : BT.2020], [PQ : BT.2020], [HLG : BT.2020], [Canon Log 3 : BT.2020], [Canon Log 3 : BT.709], [Off]</p> <p>For XF-AVC clips: [Normal1 : BT.709], [Wide DR : BT.709], [Canon Log 3 : BT.709], [Off]</p> <p>The camcorder offers a number of preset color settings (combinations of color space, gamma curve and color matrix). For details, refer to <i>Preset Color Settings</i></p> <p>[Off]: Select this setting when you want to set a different combination of custom picture settings with the individual custom picture settings described below.</p> |
| <p>[Gamma]</p>  <p>The first graph shows Normal 1 (Standard) as a reference curve, with Normal 2/3/4 being slightly brighter and Normal 4, Normal 3, and Normal 1/2 being progressively darker. The second graph compares Canon Log 3 (dashed), Wide DR (dotted), and Normal1 (solid). The third graph compares HLG (dashed), PQ (dotted), Wide DR (dotted), and Normal1 (solid).</p> | <p>[Normal 1 (Standard)], [Normal 2 (x4.0)], [Normal 3 (BT.709)], [Normal 4 (x5.0)], [Wide DR], [PQ]*, [HLG]*, [Canon Log 3]</p> <p>* Available only for XF-HEVC clips.</p> <p>Changes the overall look of the image.</p> <p>[Normal 1 (Standard)]: Standard picture for playback on TV monitors.</p> <p>[Normal 2 (x4.0)]: Setting suitable for playback on TV monitors. Produces brighter highlights (bright areas of the image) than with the [Normal 1 (Standard)] setting.</p> <p>[Normal 3 (BT.709)]: Setting suitable for playback on TV monitors. Produces a more faithful black gradation in the shadows (dark areas of the image) than with the [Normal 2 (x4.0)] setting.</p> <p>[Normal 4 (x5.0)]: Setting suitable for playback on TV monitors. Produces even better black gradation in the shadows (dark areas of the image) than with the [Normal 3 (BT.709)] setting.</p> <p>[Wide DR]: Gamma curve with a very wide dynamic range. Optimized for playback on TV monitors.</p> <p>[PQ]: HDR (high dynamic range) gamma curve compliant with the PQ standard defined by ITU-R BT.2100.</p> <p>[HLG]: HDR (high dynamic range) gamma curve compliant with the HLG standard defined by ITU-R BT.2100.</p> <p>[Canon Log 3]: Logarithmic gamma curve that requires image processing in post-production.</p> |
| [Color Space] | <p>[BT.2020 Gamut], [BT.709 Gamut]</p> <p>Determines the color space of the image for XF-HEVC clips only. For XF-AVC clips the color space is set to BT.709 and this setting is not available.</p> <p>[BT.2020 Gamut]: Color space that meets ITU-R BT.2020 standards, which defines parameters for ultra-high-definition television (4K/8K).</p> <p>[BT.709 Gamut]: Standard color space that is compatible with sRGB specifications.</p> |
| [Color Matrix] | <p>[Video], [Neutral]</p> <p>The color matrix affects the overall color tonality of the image.</p> <p>[Video]: Reproduces the colors of an EOS C300/EOS C500 camera with no custom picture settings applied.</p> <p>[Neutral]: Reproduces neutral colors.</p> |

| Menu items | Setting options and additional information |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [HLG Color] | [BT.2100], [Vivid] Changes the quality of color reproduction when using the hybrid log gamma (HLG). This setting is only available when [Gamma] is set to [HLG]. [BT.2100]: Color reproduction according to ITU-R BT.2100 specifications. [Vivid]: More saturated color reproduction according to the 'Traditional Colour' approach in ITU-R BT.2390. |
| [Activate Other Settings] | [On], [Off] Set this setting to [On] to enable the editing of the custom picture's detailed settings explained in the following table. |

[Custom Picture] ► [Other Settings] Submenu (Detailed Settings)

| Menu items | Setting options and additional information |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Black]* | |
| [Master Pedestal] | -50 to 50 (±0) Increases or decreases the black level. Higher settings will make dark areas brighter but decrease contrast. When [Gamma] is set to [Canon Log 3], this setting is not available. |
| [Master Black Red], [Master Black Blue] | -50 to 50 (±0) These settings correct the color cast in blacks. When [Gamma] is set to [Canon Log 3], these settings are not available. |
| [Black Gamma]* | |
| [Level] | -50 to 50 (±0) |
| [Range], [Point] | -20 to 50 (±0) |
|  | These settings control the lower part of the gamma curve (dark areas of the image). When [Gamma] is set to [Wide DR], [PQ], [HLG] or [Canon Log 3], these settings are not available. [Level]: Raises or lowers the lower part of the gamma curve. [Range]: Selects the adjustment range from the selected [Point]. [Point]: Determines the shape of the lower part of the gamma curve. |
| [Low Key Satur.]* | |
| [Activate] | [On], [Off] Set this setting to [On] to enable the adjustment of color saturation in dark areas with the [Level] setting. |
| [Level] | -50 to 50 (±0) Specifies how saturated colors are in dark areas. |

[Knee]*

| | | |
|----------------------------------------------------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Activate] | [On], [Off] | Set this setting to [On] to enable the adjustment of the knee point with the following settings. When [Gamma] is set to [Wide DR], [PQ], [HLG] or [Canon Log 3], the [Knee] settings are not available. |
| [Automatic] | [On] , [Off] | Set this setting to [On] to enable the automatic adjustment of the [Knee] settings. |
| [Slope] | -35 to 50 (±0) | |
| [Point] | 50 to 109 (95) | |
| [Saturation] | -10 to 10 (±0) | |
|  | | <p>These settings control the upper part of the gamma curve (highlights of the image). By compressing the highlights, you can prevent parts of the image from being overexposed.</p> <p>[Slope]: Determines the slope of the gamma curve above the knee point.</p> <p>[Point]: Sets the knee point of the gamma curve.</p> <p>[Saturation]: Adjusts the color saturation in the highlights.</p> |

[Sharpness]*

| | | |
|--------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Level] | -10 to 50 (±0) | Sets the sharpness level of the video output signal and the recorded signal. |
| [Detail Frequency] | -8 to 8 (±0) | Sets the center frequency of horizontal sharpness. Setting higher values increases the frequency, which, in turn, increases the sharpness. |
| [Coring Level] | -30 to 50 (±0) | Sets the level of correction of artifacts caused by high sharpness levels (coring). Higher values prevent sharpness from being applied to minute details, resulting in less noise. |
| [HV Detail Bal.] | -8 to 8 (±0) | Adjusts the ratio between horizontal and vertical detail. Higher values emphasize vertical detail while lower values emphasize horizontal detail. |
| [Limit] | -50 to 50 (±0) | Restricts how much sharpness is applied. |

[Noise Reduction]*

[Level] **[Automatic]**, 1 (lowest level) to 12 (highest level), [Off]

Reduces the amount of noise that appears in the image.

[Skin Detail]*

[Effect Level] [High], [Middle], [Low], **[Off]**

[Hue] -16 to 16 (**±0**)

[Chroma], [Area], [Y Level] 0 to 31 (**16**)

The camcorder applies a softening filter to areas in the picture with skin tones to give a more pleasant appearance. By changing these settings, you can determine what areas will be detected as skin tones. A zebra pattern will appear on the screen over areas of the image that are detected as having skin tones.

[Effect Level]: Adjusts the level of the filter.

[Hue]: Adjusts the hue for detection of skin tones.

[Chroma]: Adjusts the color saturation for detection of skin tones.

[Area]: Adjusts the color range for detection of skin tones.

[Y Level]: Adjusts the brightness for detection of skin tones.

[White Balance]*

[R Gain], [B Gain] -50 to 50 (**±0**)

These settings adjust the amount of white balance throughout the whole image by changing the intensity of red tones ([R gain]) and blue tones ([B Gain]).

[Color Matrix Tuning]*

[Gain] -50 to 50 (**±0**)

[Phase] -18 to 18 (**±0**)

These settings adjust the color intensity ([Gain]) and color phase ([Phase]) of the color matrix, affecting the color tones of the whole image.

[R-G], [R-B], [G-R], [G-B],
[B-R], [B-G] -50 to 50 (**±0**)

Each matrix changes the tint of the picture along the color gradations detailed below, affecting the color tones of the whole image.

[R-G]: cyan/green and red/magenta; [R-B]: cyan/blue and red/yellow;

[G-R]: magenta/red and green/cyan; [G-B]: magenta/blue and green/yellow;

[B-R]: yellow/red and blue/cyan; [B-G]: yellow/green and blue/magenta.

[Color Correction]*

[Select Area] [Area A&B], [Area B], [Area A], **[Off]**

The camcorder detects areas with certain color characteristics (color phase, chroma, area and Y level) and corrects them when recording. You can set the color correction for up to two different areas (A and B) and apply the color correction to either one ([Area A] or [Area B]) or both of them ([Area A&B]). While color correction is activated, a zebra pattern will appear on the screen over areas of the image detected as having the characteristics specified for area A or area B.

[Area A Setting Phase],
[Area B Setting Phase] 0 to 31 (**0**)

These settings determine the color phase of the area to be corrected (A or B, respectively).

[Area A Setting Chroma],
[Area A Setting Area],
[Area A Setting Y Level],
[Area B Setting Chroma],
[Area B Setting Area],
[Area B Setting Y Level] 0 to 31 (**16**)

These settings determine the following color characteristics of the area to be corrected (A or B, respectively).

[Area A Setting Chroma], [Area B Setting Chroma]: Color saturation.

[Area A Setting Area], [Area B Setting Area]: Color range.

[Area A Setting Y Level], [Area B Setting Y Level]: Brightness.

[Area A Revision Level],
[Area B Revision Level] -50 to 50 (**±0**)

These settings adjust the amount of correction applied to the color saturation in the corrected area (A or B, respectively).

| Menu items | Setting options and additional information |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Area A Revision Phase], [Area B Revision Phase] | -18 to 18 (±0) These settings adjust the amount of correction applied to the color phase in the corrected area (A or B, respectively). |
| [Other Functions]* | |
| [Over 100%] | [Through] , [Press], [Clip] Determines how the camcorder handles video signals exceeding 100%. When [Gamma] is set to [PQ], [HLG] or [Canon Log 3], this setting is not available. [Through]: Leave the signal unchanged. [Clip]: Clip the signal at 100%. [Press]: Compress a signal of up to 108% down to 100% levels. |

* Settings not available when infrared recording is activated.

NOTES

- If editing of the custom picture file's detailed settings is enabled (**MENU** ➤ [**CP** Custom Picture] ➤ [Activate Other Settings] is set to [On]), when an optional RC-V100 Remote Controller is connected to the camcorder, the following custom picture settings can be changed using the buttons and dials on the remote controller.
 - [Other Settings] ➤ [Black] ➤ [Master Pedestal], [Master Black Red], [Master Black Blue]
 - [Other Settings] ➤ [Black Gamma] ➤ [Level]
 - [Other Settings] ➤ [Knee] ➤ [Automatic], [Slope], [Point] (only when [Knee] ➤ [Activate] is set to [On])
 - [Other Settings] ➤ [Sharpness] ➤ [Level]
 - [Other Settings] ➤ [White Balance] ➤ [R Gain], [B Gain]