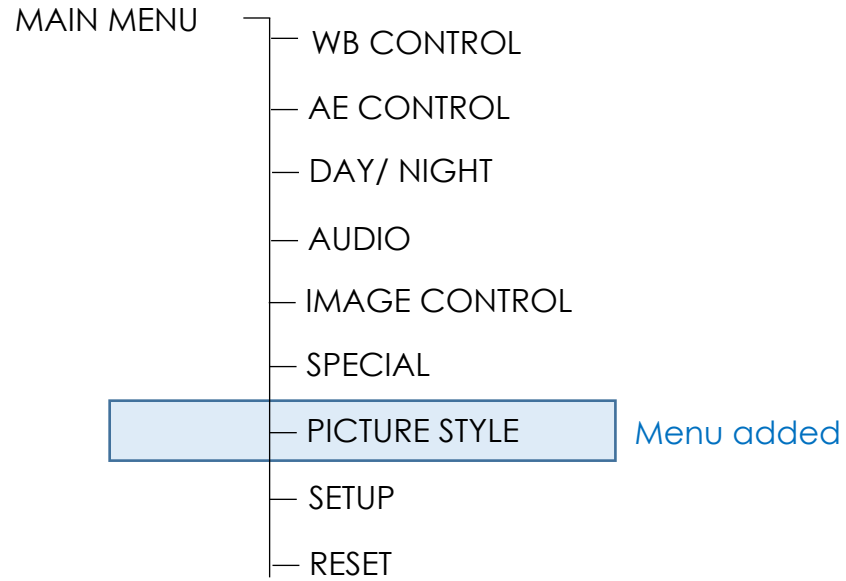


Color Matrix on Genlock Cameras

Marshall POV Camera models **CV566**, **CV568**, **CV366**, and **CV368**

POV PICTURE STYLE (User Save Profile) MENU

Marshall
CAMERAS



PICTURE STYLE (User Profile)

PICTURE STYLE

*6. 6 different settings are available. Preset depending on the environment.

STYLE^{*6} OFF/USER1/ USER2/ USER3/ USER4/ USER5/ USER6

MATRIX^{*1} OFF/ON

*7. color level/phase changes automatically by the selected Style

STYLE^{*7} STANDARD/ HIGH SAT/ FL LIGHT/ CINEMA

MASTER LEVEL^{*8} -10 to +10 (±0)

*8. Master Color Gain(Saturation)

MASTER PHASE^{*9} -10 to +10 (±0)

*9. Master Color Hue

COLOR SEL MAGENTA/ RED/ YELLOW/ GREEN/ CYAN/ BLUE

COLOR LEVEL^{*10} -10 to +10 (±0)

*10. Level, Phase of the selected color

COLOR PHASE^{*10} -10 to +10 (±0)

WB^{*2} OFF/ON

MODE ATW/ ONE PUSH/ INDOOR/ OUTDOOR/ MANUAL

BLUE 0 to 255

RED 0 to 255

BLUE OFFSET 0 to 100

RED OFFSET 0 to 100

GAMMA^{*3} OFF/ON

GAMMA STANDARD/ STILL/ ITU709/ CINE1/ CINE2/ CINE3/ CINE4

BLACK GAMMA -7 to +7 (±0)

BLACK LEVEL^{*11} -20 to +50 (±0)

*11. Same as Image control / Black White level

WHITE LEVEL^{*11} 90 to 109 IRE

BRIGHTNESS^{*12} -64 to +64

*12. Same as Image control / Brightness. More detailed level

DETAIL^{*4} OFF/ON

H-PEAK LEVEL^{*13}

*13 Sharpness (Edge) detail control. H/V can be adjusted

V-PEAK LEVEL^{*13}

VIDEO DEPENDANT^{*14} OFF/ON

*14. Crispening (SONY's terminology)

CLIP^{*15} OFF/ ON

*15. Sharpness Peak Clip(limit) control limit

DEFAULT^{*5}

CLIP LEVEL^{*15} 0 to 15

SAVE^{*16}

*1. When MATRIX is ON - Image Control, Saturation, and Hue are disabled

*2. Same as White Balance, and when enabled, White Balance is disabled

*3. When Gamma is ON, Image Control Gamma, Contrast, Brightness are disabled

*4. When DETAIL ON, Image Control, Edge Enhance, Auto Edge are disabled

*5. Change the current setting to the default PICTURE STYLE

*16. Save Matrix, WB, Gamma, and other details to the selected user (1~6) style.

MATRIX



MATRIX	OFF/ON	
		— STYLE STANDARD/ HIGH SAT/ FL LIGHT/ CINEMA
		— MASTER LEVEL -127 to +127 (±0)
		— MASTER PHASE -127 to +127 (±0)
		— COLOR SEL MAGENTA/ RED/ YELLOW/ GREEN/ CYAN/ BLUE
		— COLOR LEVEL -127 to +127 (±0)
		— COLOR PHASE -127 to +127 (±0)

STYLE STANDARD – standard
HIGH SAT - Saturation is higher than the standard.
FL LIGHT - Color for the fluorescent light
CINEMA - Saturation is lower than the standard and bluish color.

MASTER LEVEL -127 to +127 (±0)
Entire Color saturation level can be fine tuned.
Same as Image control\SATURATION (0 to 20). From the same color saturation, more fine tuning is available up to 256 steps.

MASTER PHASE -127 to +127 (±0)
Entire Color Phase (HUE) level can be fine tuned.
Same as Image control\ HUE (-10 to +10). From the same color phase range, more fined tuning is available up to 256 steps

COLOR SEL MAGENTA/ RED/ YELLOW/ GREEN/ CYAN/ BLUE
Adjust the color saturation level and phase to the selected color.

COLOR LEVEL -127 to +127 (±0)
Fine tune LEVEL of the COLOR selected from COLOR SEL.

COLOR PHASE -127 to +127 (±0)
Fine tune Phase of the COLOR selected from COLOR SEL.

GAMMA



GAMMA	OFF/ON	—	GAMMA	STANDARD/ STILL/ ITU709/ CINE1/ CINE2/ CINE3/ CINE4
		—	BLACK GAMMA	-7 to +7 (± 0)
		—	BLACK LEVEL	-20 to +50 (± 0)
		—	WHITE LEVEL	90 to 109 IRE
		—	BRIGHTNESS	-64 to +64

GAMMA	STANDARD	- standard 0.45
	STILL	- higher contrast gamma than the standard
	ITU709	- ITU709 gamma
	CINE1	- More compressed Gamma (about 20%) than the standard
	CINE2	- More compressed than CINE1
	CINE3	- Brighter than CINE1
	CINE4	- Brighter than CINE3

BLACK GAMMA -7 to +7 (± 0)
adjust gradations in dark image areas.

BLACK LEVEL -20 to +50 (± 0)
Same as Image control\BLACK WHITE LV.

WHITE LEVEL 90 to 109 IRE
Same as Image control\BLACK WHITE LV.

BRIGHTNESS -64 to +64
Same as Image control\BRIGHTNESS (0 to 20) but offers more fine tuning up to 128 steps.

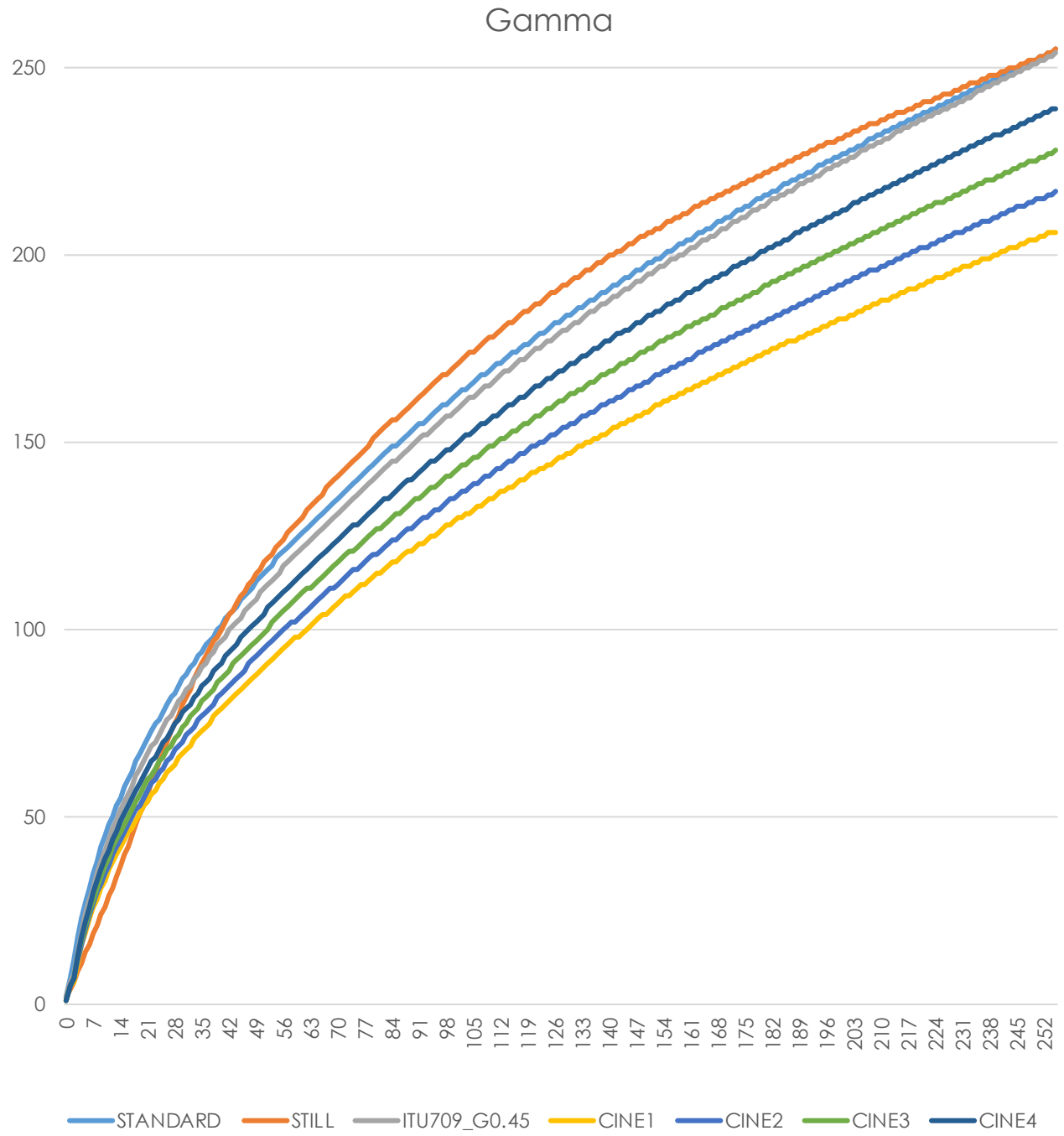
GAMMA

GAMMA Graph

- STANDARD - Bright Blue
- STILL - Orange
- ITU709 - Gray
- CINE1 - Yellow
- CINE2 - Blue
- CINE3 - Green
- CINE4 - Dark Blue

Marshall

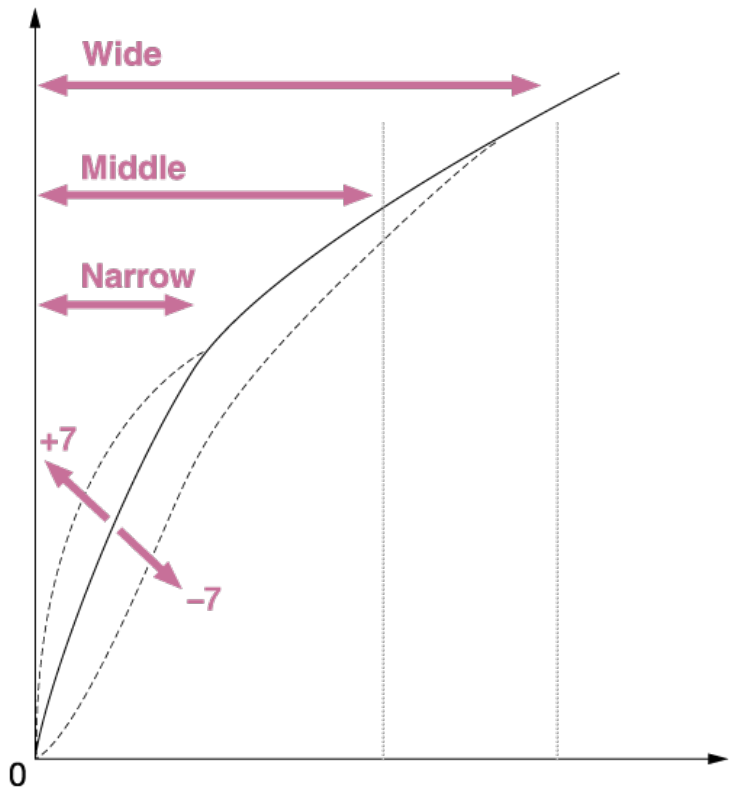
CAMERAS



GAMMA

Black Gamma

adjust levels in dark areas of video image



Black Gamma +7



Black Gamma 0



Black Gamma -7



DETAIL

DETAIL	OFF/ON	
		— H-PEAK LEVEL
		— V-PEAK LEVEL
		— VIDEO DEPENDANT OFF/ON
		— CLIP OFF/ ON
		— CLIP LEVEL 0 to 15

H-PEAK LEVEL Horizontal direction outline level adjustment
Image control\Edge enhance does level adjustment regardless H and V
More detailed tuning than Image control\Edge enhance (about 4 times more).
Edge enhance 1 step = H-peak 4 step

V-PEAK LEVEL Vertical direction outline level adjustment
Image control\Edge enhance does level adjustment regardless H and V
More detailed tuning than Image control\Edge enhance (about 4 times more).
Edge enhance 1 step = V-peak 4 step

VIDEO DEPENDANT This function reduces detail that accompanies visual noise to prevent noise from being emphasized.
You can use this function when you want to apply detail processing to the subject while keeping noise as unnoticeable as possible.

CLIP
CLIP LEVEL 0 to 15
Adjust the PEAK Limit.

DETAIL

CLIP LIMIT

This function restricts the amount of black detail for low-luminance areas and white detail for high-luminance areas by setting a maximum value. The maximum value cannot be set independently for black detail and white detail.

