



# MENU

#### RECORDING Recording Codec [Apple ProRes 422 HQ, 4444, 4444 XQ] Sensor Mode [4K 16:9 3.8K 16:9 2K 16:9 S16] Recording Resolution [4K (4096x2304) depends on Codec UHD (3840x2160) and Sensor Mode 2K (2048x1152) HD (1920x1080)1 PROJECT SETTINGS Project Rate [23.976p, 24p, 25p, 29.97p, 30p, 48p, 50p, 59.94p and 60p] Next Reel Count [1 - 9999] Camera Index [A\_ - ZZ] Camera Index Color [Red, Green, Blue, Cyan, Magenta, Yellow, Black, White] REC BEEPER Rec Start Beeper [On, Off] Rec Stop Beeper [On, Off]

AUDIO RECORDING Audio Recording [On Off] Gain Levels... Channel 1/2/3/4 Source [None, Line In L/R, AFM-1 L/R Internal Mic L/R1 Channel 1/2/3/4 Control [if Source = Line In L/R: Manual Gain, Manual Gain + Lim, Auto Gain] VF Headphones Routing for Channel 1-4  $[\underline{0ff}, L, \underline{L+R}, R]$ 

Media Full Beener [On Off]

Reference Tone [Off, -9dBFS, -18dBFS, -20dBFS]

## MEDIA

Erase Media erases files on Compact Drive Prepare USB Medium... creates necessary folders on USB drive

VF Headphones Volume [0-30 | 20]

### MONITORING cont.

Surround View [On Off] EVF Surround Mask [Black Line, Colored Line, 25% Mask, 50% Mask, 75% Mask and 100% Mask]

Monitor Surround Mask [Black Line, Colored Line, 25% Mask, 50% Mask, 75% Mask and 100% Mask] Magnification [100% - 200% | 100%]

EVF Brightness [120, 200 and 300] EVF Power [Auto, Off, On] EVF Eyepiece Heating [On, Off] EVF Image Rotation 180° [On, Off]

Monitor Brightness [1 - 10 | 6] Monitor Flip Mode [Auto, Normal, Flipped]

EVF OVERLAYS

Frame Lines [On, Off] Center Mark [Off, Dot, Small Dot, Cross, Samll Cross] Status Info [Off, Overlay and Safe]

STATUS COMPONENTS

Flectronic Horizon [On Off Show Numeric Values [On. Off] Lens Data [On, Off]

Lens Focus Distance [On, Off] Depth of Field [On, Off]

Distance Measure [On Off] Master Grips/OCU-1 Control [On, Off] Info Left/Right/Top/Bottom [On, Off] Audio [On. Off] Timecode [On, Off]

Overlay Brightness [1 - 4]

MONITOR OVERLAYS

Frame Lines [On. Off] Center Mark [Off, Dot, Small Dot, Cross, Small Cross] Electronic Horizon [On, Off] Show Numeric Values [On, Off]

SDI 1/2 PROCESSING

Surround View [On. ( Surround Mask [Black Line, Colored Line, 25%

Mask, 50% Mask, 75% Mask and 100% Mask] Magnification [100% - 200% | 100%]

False Color [On, Off]

Hide Messages [On, Off]

Peaking [On, Off]

Frame Lines [On, Off Center Mark [Off, Dot, Small Dot, Cross, Small Cross] Status Info [Off, Overlay and Safe]

STATUS COMPONENTS

Camera Index Letter [On Off] Flectronic Horizon [On Off] Show Numeric Values [On, Off] Lens Data [On, Off] Lens Focus Distance [On. Off] Depth of Field [On, Off] Distance Measure [On Off] Master Grips/OCU-1 Control [On, Off] Info Left/Right/Top/Bottom [On, Off] Audio [On, Off] Timecode [On, Off] Overlay Brightness [1 - 4]

MONITORING cont.

SDI 1/2 Image [Clean, Processed, Clone SDI 1 (SDI 2 only)] SDI 1/2 Format [422 1.5G HD, 422 3G HD, 444 3G HD, 422 6G UHD, 422 12G UHD, 444 12G UHD] SDI 1/2 Frame Rate [23.976p, 24p, 25p, 29.97p, 30p, 48p. 50p. 59.94p. 60p. 23.976psf. 24psf. 25psf, 29.97psf, 30psf]

SDI 1/2 3G Level [Level A, Level B] A only for 444 Master Magnification [100% - 200% | 100%]

FRAME LINES

Frame Line [none]

choose/add custom/delete frame lines

FRAME LINE DISPLAY

Frame Line A/B/C [On. Off

Frame Line Color [Red. Green, Blue, Cvan, Magenta, Yellow, Black, White]

Frame Line Opacity [1-4 | 3]

OUTSIDE SHADING

EVF Outs. Shad. [Off, 25%, 50%, 75%, 100%] Monitor Outs. Shad. [Off, 25%, 50%, 75%, 100%] SDI 1 Outs. Shad. [Off, 25%, 50%, 75%, 100%] SDI 2 Outs. Shad. [Off, 25%, 50%, 75%, 100%]

USER RECTANGLES

User rectangles [Off, Rect 1, Rect 2, Rect 1+2] User rectangle 1/2 Width [0-999] User rectangle 1/2 Height [0-999] User rectangle 1/2 Offset Top [0-999] User rectangle 1/2 Offset Left [0-999] User rectangle 1/2 Reset all

VF Peaking Mode [Aperture, Color]

VF Peaking Level [1 - 20 | 5] VF Peaking Offset Shift [-5 - +5 | 0] VF Peaking Color [Red, Green, Blue, Cyan, Mag., Yellow, White] SDI 1 Peaking Mode [Aperture, Color] SDI 1 Peaking Level [1 - 20 | 5]

SDI 1 Peaking Offset Shift [-5 - +5 | 0]

SDI 1 Peaking Color [Red, Green, Blue, Cyan, Mag., Yellow, White]

RETURN IN

Use SDI 2 as Return In [On, Off] Show Return In on VF [On, Off] Show Return In on SDI 1 [On. Off]

SDI Color Bars [On, Off]

## IMAGE

LOOK

choose/add custom/delete look | Default Look Intensity [10%, 20%, 30%,... 100%]\*ACM anily

Enable Live Painting [On, Off] VF Processing [LogC4, Look (SDR), Look (EVF:HDR, Mon:SDR)]

SDI 1/2 Processing [LogC4, LogC4 Wireless Video Optimized, Look]

SDI 1/2 Color Space [REC 709 (SDR), REC 2020 (SDR), REC 2100/PQ (HDR), REC 2100/HLG (HDR)1

TEXTURE

choose/add custom/delete a texture | K445 Default

#### SYSTEM

SENSOR

Genlock [Off, SYNC IN or TC IN] Sync Shift (0.000  $\mu$ s) [+/-20833.3330  $\mu$ s | 0  $\mu$ s] User Pixel Masking

Install User Pixel Mask Export User Pixel Mask Delete User Pixel Mask Grah Raw Image

Fan Mode [Rec Low, Low Noise] Shutter Unit [Exposure Time, Shutter Angle]

POWER

Priority [Power In (PWR), Onboard Bat. (BAT), Highest Voltage] Power In (PWR) Warning (%) [0-99% | 10%] Power In (PWR) Warning (V) [19.0-35.0V | 22.0V] Onboard Battery (BAT) Warning (%) [0-99% | 10%] Onboard Battery (BAT) Warning (V) [19.0-35.0V | 22.0V] BAT Unit Preference [Percent, Volt] Enable PWR/BAT LEDs [On, Off] BAT Auto Boot Up [On Off

SYSTEM TIME + DATE

set Year Month Day Hour Minute

BUTTONS + DISPLAY

Display style [Day, Nigl Button + LED brightness [0-3 | 1] MVF-2 Touch [On, Off] Tally [Off. On (Recording), On(Remote/CAP)] TLM-1 Brightness [0-10 | 5] TLM-1 ID Brightness [0-10 | 5]

CAMERA ACCESS PROTOCOL (CAP)

Enable CAP Server [On, Off] CAP Server Password... set nassword CAP Client List...

view connected devices

NETWORK/WIFI WiFi power [On Off]

WiFi Mode [Host, Client] Wifi Host Password.. set nassword

WiFi Host Channel [Automatic or 1-11 | Automatic]

WIFI NETWORK

if Mode = Client: choose network

STREAMING METADATA Enable Streaming [On, Off]

> Streaming Addressing [Unicast, Multicast] Streaming Address [192.168.0.123] Streaming Port [5432; 1024 - 65535]

LAN IP Mode [Static, DHCP] LAN Static IP [192.168.0.100] LAN Static Subnet [255-255-254-0] LAN Static Gateway [0.0.0.0]

LICENSES install/uninstall licenses

UPDATE

Undate Camera Update LBUS Devices... Update MVF-2... Update Lens Mount. Update Media... Update PDM-1..

SYSTEM cont.

RESET ELECTRIC HORIZON recalibrate roll & tilt

Restrict Local Camera Control [On. Off] Language [English, 中文]

SETUP

User Setups Installed... save/load/delete/export User Setups

User Setups On USB...

save/load/import User Setups from USB drive

Factory Reset...

load factory default settings

# **USER BUTTONS**

define User Rutton functions for Camera User Buttons (1 to 9) MVF-2 User Buttons (VF1 & VF2) Monitor User Buttons (M, 1, 2, 3, 4) Hand Unit User Buttons (1 to 6) LBUS Device User Buttons (1 to 12) GPIO User Buttons (1 to 14) Lens Buttons Lens RET (1 to 4) Lens ENG, Lens PROD, and Lens VTR

POSSIBLE FUNCTIONS

VF Status info

VF Check LoaC4 VF Check HDR

VF False Color VF Frame Lines

VF Peaking VF Processing

VF Surround View VF Zoom

VF Zoom Position SDI 1/2 Status info

SDI 1/2 Check LoaC4 SDI 1/2 False Color

SDI 1/2 Frame Lines SDI 1/2 Peaking SDI 1/2 Surround View

SDI 1/2 Zoom SDI 1/2 Zoom Position SDI 1/2 Zoom (Smart)

SDI Color Bars FI In-/Decrease FPS In-/Decrease

FPS Preset ND In-/Decrease Shutter In-/Decrease

WB In-/Decrease Audio CH-1/2 In-/Decrease Audio Mute int. Mic

Audio Solo Auto WB Check Last Clip **USER BUTTONS cont.** 

Frame Grab Mirror Image

Playback Prerecording Record Start/Stop Return In

WiFi Power Talk (Eng) Talk (Prod)

METADATA

set metadata fields.

Production **Production Company** 

Director Cinematographer Camera Operator

Location Scene Take

User Info 1/2

#### LENS & ECS

LENS DATA

info on active lens Lens Tables Installed.

see/add/delete/export Lens Tables Lens Table Favorites.

see/add/delete/export Lens Tables

Add To Favorites Clear Lens Table clears active Lens Tables

Calibrate All Motors

LBUS LENS MOTOR CONFIGURATION

Focus/Iris/Zoom Motor Torque [1-4] 3 Focus/Iris/Zoom Motor Direction [Left, Right] Focus/Iris/Zoom Motor Teeth Count [Auto, 40t, 50t, 60t]

RADIO

Power [On. Off] Channel [0-13 | 4] Status (info) [Off, Initializing, Ready]

Connected Devices (info) see number of connected devices

Wireless Region Setting [Australia... to World] Focus Unit [Lens Default, Imperial, Metric] Circle of Confusion [0.009, 0.013, 0.025]

Enable lens mount [On, Off]





