MENU

RECORDING

Recording Codec [Apple ProRes 422 HQ, 4444, 4444 XQ or ARRIRAW]

Sensor Mode [4.6K 3:2 Open Gate
4.6K 16:9
4K 16:9
4K 2:1
3.8K 16:9
3.3K 6:5
3K 1:1]

Recording Resolution [4K (4096x2304)
depends on Codec   UHD (3840x2160)
and Sensor Mode   2K (2048x1152)
HD (1920x1080)
3.3K (3328x2790)
4K 2.39:1 Ana 2x
3K (3072x3072)
3.8K 2:1 Ana 2x]

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]
Lens Squeeze Factor [1.00, 1.25, 1.30, 1.33, 1.50, 1.65, 1.80, 1.85 and 2.00]

REC BEEPER/TALLY
Rec Start Beeper [On, Off]
Rec Stop Beeper [On, Off]
Media Full Beeper [On, Off]
Tally MVF-2 [On, Off]

PRERECORDING MAX. DURATION
Prerec Duration [1-20s | 5s]

AUDIO RECORDING
Audio Recording [On, Off]
Channel 1/2/3/4 Source [None, Line In L/R, AEM-1 L/R, Internal Mic L/R]
Channel 1/2/3/4 Control [if Source = Line In L/R: Manual Gain, Manual Gain + Lim, Auto Gain]
Channel 1/2 Control [Manual, Manual + L, Auto]
VF Headphone Routing for Channel 1-4 [Off, L, L+R, R]
VF Headphone Volume [0-30 | 20]
Test Tone [Off, -9dBFS, -18dBFS, -20dBFS]

MEDIA

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

MONITORING cont.

VF
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%]

SETTINGS
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
Electronic Horizon [On, Off]
  Show Numeric Values [On, Off]
Lens Data [On, Off]
  Lens Focus Distance [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
SDI 1/2 PROCESSING
Surround View [On, Off]
Surround Mask [Black Line, Colored Line, 25% Mask, 50% Mask, 75% Mask and 100% Mask]
Magnification [100% - 200% | 100%]

OVERLAYS
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]
Electronic Horizon [On, Off]
  Show Numeric Values [On, Off]
Lens Data [On, Off]
  Lens Focus Distance [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]

False Color [On, Off]
Peaking [On, Off]
Hide Messages [On, Off]

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, 422 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, Cyan, 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

PEAKING
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
Look
  choose/add custom/delete look | Default
Look Intensity [10%, 20%, 30%, 40%, 50%... 100%]
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)]

TEXTURE
Texture
  choose/add custom/delete a texture | K445 Default

Mirror Image [Off, V, H, V+H]

SYSTEM

SENSOR
Genlock [Off, SYNC IN or TC IN]
Sync Shift (0.000 µs) [+/-6189500 µs | 0 µs]
User Pixel Masking
  Install User Pixel Mask
  Export User Pixel Mask
  Delete User Pixel Mask
  Grab 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, Night]
Button + LED brightness [0-3 | 1]

CAMERA ACCESS PROTOCOL (CAP
Enable CAP Server [On, Off]
CAP Server Password...
  set password
CAP Client List...
  view connected devices

NETWORK/WIFI
WiFi power [On, Off]
WiFi Mode [Host, Client]
Wifi Host Password...
  set password
WiFi Host Channel [Automatic or 1-11 | Automatic]

WIFI NETWORK
if Mode = Client: choose network
LAN IP Mode [Static, DHCP]
LAN Static IP [192.168.0.100]
LAN Static Subnet [255.255.255.0]
LAN Static Gateway [0.0.0.0]

SYSTEM cont.

LICENSES
install/uninstall licenses

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

RESET ELECTRIC HORIZON
recalibrate roll & tilt

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 Button functions for
  Button VF 1 and VF 2
  Camera User Buttons 1 to 9
  Hand Unit User Buttons 1 to 6
  LBUS Device User Buttons 1 to 12
  GPIO User Buttons 1 to 14
  Lens RET

POSSIBLE FUNCTIONS
Off
VF Status info
VF Check LogC4
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 LogC4
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
EI In-/Decrease
FPS In-/Decrease
FPS Preset
ND In-/Decrease
Shutter In-/Decrease
WB In-/Decrease
Audio CH-1/2 In-/Decrease

USER BUTTONS cont.

Audio Mute int. Mic
Audio Solo
Auto WB
Check Last Clip
Flip Monitor
Frame Grab
Mirror Image
Playback
Prerecording
Record Start/Stop
Return In

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, Canada, China, Egypt, Europe, Hong Kong, India, Israel, Japan, New Zealand, Philippines, Singapore, South Africa, South Korea, Taiwan, Thailand, UAE, USA, World]
Focus Unit [Lens Default, Imperial, Metric]
Enable lens mount [On, Off]

HOME

FPS
set sensor speed [0.750 - 120.000fps | 24.000fps]
add/delete value

TC
view timecode
OPTIONS
Timecode
reset/set to time
Run mode [Free run, Rec run]
Mode [Regen, Preset, Jam sync]
Regen source [LTC in, Media] *set by menu*
Count mode [Non-Dropframe, Dropframe]
TC Offset [+/-20 | 0]

SHUTTER
set shutter angle
add/delete value
resulting exposure time shown in info pane

EI
set exposure index [160 - 3600,
2560 ES - 6400 ES | 800]
ES limitation shown in info pane
IRIS
view current iris readout (LDS 1 or 2 lens required)

ND
set ND filter [ND —, ND 0.6, ND 1.2, ND 1.8]

WB
set white balance [2.000 - 11.000K +/-16.0CC | 5600K 0.0CC]
add/delete/rename values
AUTO WB
press two times to trigger auto white balance
(follow instructions on screen)

MENU CONT.

INFO
get info on:
Version
System
False Color
PWR/BAT LED
Media
USB
Network
Lens
User Button
export log and info files:
Export HW Info File...
Export Logfiles...

ALERTS
view alerts and warnings

PLAYBACK

PLAY
skip rev/fwd, see clip list
OPTIONS
Play End Mode [Pause on end, Pause on start, Loop,
Play next clip, Exit playback]