

RECORDING

Recording Codec	[Apple ProRes 422 HQ, 4444, 4444 XQ, <u>ARRIRAW</u> , ARRICORE]
Sensor Mode	[<u>4.6K 3:2 Open Gate</u> , 4.6K 16:9, 4K 16:9, 3.8K 16:9, 3.8K 2.39:1, 3.3K 6:5, 2K 16:9 S16, HD 16:9 S16]
Recording Resolution	[4.6K (4608x3164) 4K (4096x2304) UHD (3840x2160) 3.8K (3840x1608) 3.3K (3328x2790) 2K (2048x1152) HD (1920x1080)]
<i>depends on Codec and Sensor Mode</i>	
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, <u>White</u>]
Lens Squeeze Factor	[<u>1.00</u> , 1.25, 1.30, 1.33, 1.50, 1.65, 1.80, 1.85 and 2.00]
REC BEEPER/TALLY	
Rec Start Beeper	[On, <u>Off</u>]
Rec Stop Beeper	[On, <u>Off</u>]
Media Full Beeper	[On, <u>Off</u>]
Tally MVF-2	[On, <u>Off</u>]
PRERECORDING MAX. DURATION	
Prerec Duration	[1-300s <u>5s</u>]
AUDIO RECORDING	
Audio Recording	[On, <u>Off</u>]
Gain Levels...	
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, <u>Auto Gain</u>]
VF Headphones Routing for Channel 1-4	[<u>Off</u> , L, L+R, R]
VF Headphones Volume	[0-30 <u>20</u>]
Reference Tone	[<u>Off</u> , -9dBFS, -18dBFS, -20dBFS]

MEDIA

Erase Media...	<i>erases files on Compact Drive</i>
Prepare USB Medium...	<i>creates necessary folders on USB drive</i>

MONITORING

VF	
Surround View	[On, <u>Off</u>]
EVF Surround Mask	[Black Line, <u>Colored Line</u> , 25% Mask, 50% Mask, 75% Mask and 100% Mask]
Monitor Surround Mask	[Black Line, <u>Colored Line</u> , 25% Mask, 50% Mask, 75% Mask and 100% Mask]
Magnification	[100% - 200% <u>100%</u>]
SETTINGS	
EVF Brightness	[<u>120</u> , 200 and 300]
EVF Lifted Black	[On, <u>Off</u>]
EVF Power	[<u>Auto</u> , Off, On]
EVF Eyepiece Heating	[On, <u>Off</u>]
EVF Image Rotation 180°	[On, <u>Off</u>]
Monitor Brightness	[1 - 10 <u>6</u>]
Monitor Flip Mode	[<u>Auto</u> , Normal, Flipped]
EVF OVERLAYS	
Frame Lines	[<u>On</u> , <u>Off</u>]
Center Mark	[Off, Dot, Small Dot, <u>Cross</u> , Samll Cross]
Status Info	[Off, Overlay and <u>Safe</u>]
STATUS COMPONENTS	
Electronic Horizon	[On, <u>Off</u>]
Show Numeric Values	[On, <u>Off</u>]
Lens Data	[On, <u>Off</u>]
Lens Focus Distance	[On, <u>Off</u>]
Depth of Field	[On, <u>Off</u>]
Distance Measure	[On, <u>Off</u>]
Master Grips/OCU-1 Control	[<u>On</u> , <u>Off</u>]
Info Left/Right/Top/Bottom	[<u>On</u> , <u>Off</u>]
Audio	[<u>On</u> , <u>Off</u>]
Timecode	[<u>On</u> , <u>Off</u>]
Overlay Brightness	[1 - <u>4</u>]
MONITOR OVERLAYS	
Frame Lines	[<u>On</u> , <u>Off</u>]
Center Mark	[Off, Dot, Small Dot, <u>Cross</u> , Small Cross]
Electronic Horizon	[On, <u>Off</u>]
Show Numeric Values	[On, <u>Off</u>]
SDI	
SDI 1/2 PROCESSING	
Surround View	[On, <u>Off</u>]
Surround Mask	[Black Line, <u>Colored Line</u> , 25% Mask, 50% Mask, 75% Mask and 100% Mask]
Magnification	[100% - 200% <u>100%</u>]
OVERLAYS	
Frame Lines	[<u>On</u> , <u>Off</u>]
Center Mark	[Off, Dot, Small Dot, <u>Cross</u> , Small Cross]
Status Info	[Off, Overlay and <u>Safe</u>]
STATUS COMPONENTS	
Camera Index Letter	[On, <u>Off</u>]
Electronic Horizon	[On, <u>Off</u>]
Show Numeric Values	[On, <u>Off</u>]
Lens Data	[On, <u>Off</u>]
Lens Focus Distance	[<u>On</u> , <u>Off</u>]
Distance Measure	[On, <u>Off</u>]
Master Grips/OCU-1 Control	[On, <u>Off</u>]
Info Left/Right/Top/Bottom	[<u>On</u> , <u>Off</u>]
Audio	[<u>On</u> , <u>Off</u>]
Timecode	[<u>On</u> , <u>Off</u>]
Overlay Brightness	[1 - <u>4</u>]
False Color	[On, <u>Off</u>]
Peaking	[On, <u>Off</u>]
Hide Messages	[On, <u>Off</u>]

MONITORING cont.

SDI 1/2 Image	[<u>Clean</u> , Processed, Clone SDI 1 (SDI 2 only)]
SDI 1/2 Format	[<u>422 1.5G HD</u> , 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, LevelB] <i>A only for 444</i>
Master Magnification	[100% - 200% <u>100%</u>]
FRAME LINES	
Frame Line	[none] <i>choose/add custom/delete frame lines</i>
FRAME LINE DISPLAY	
Frame Line A/B/C	[On, <u>Off</u>]
Frame Line Color	[Red, Green, Blue, Cyan, Magenta, Yellow, Black, <u>White</u>]
Frame Line Opacity	[1-4 <u>3</u>]
OUTSIDE SHADING	
EVF Outs. Shad.	[<u>Off</u> , 25%, 50%, 75%, 100%]
Monitor Outs. Shad.	[<u>Off</u> , 25%, 50%, 75%, 100%]
SDI 1 Outs. Shad.	[<u>Off</u> , 25%, 50%, 75%, 100%]
SDI 2 Outs. Shad.	[<u>Off</u> , 25%, 50%, 75%, 100%]
USER RECTANGLES	
User rectangles	[<u>Off</u> , 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, <u>Color</u>]
VF Peaking Level	[1 - 20 <u>5</u>]
VF Peaking Offset Shift	[-5 - +5 <u>0</u>]
VF Peaking Color	[Red, Green, Blue, Cyan, Mag., Yellow, White]
SDI 1 Peaking Mode	[Aperture, <u>Color</u>]
SDI 1 Peaking Level	[1 - 20 <u>5</u>]
SDI 1 Peaking Offset Shift	[-5 - +5 <u>0</u>]
SDI 1 Peaking Color	[Red, Green, Blue, Cyan, Mag., Yellow, White]
RETURN IN	
Use SDI 2 as Return In	[On, <u>Off</u>]
Show Return In on VF	[<u>On</u> , <u>Off</u>]
Show Return In on SDI 1	[On, <u>Off</u>]
SDI Color Bars	[On, <u>Off</u>]

IMAGE

LOOK	
Look	<i>choose/add custom/delete look</i> <u>Default</u>
Look Intensity	[10%, 20%, 30%, 40%, 50%... <u>100%</u>] *ACM only
VF Processing	[LogC4, Look (SDR), Look (EVF:HDR, Mon:SDR)]
SDI 1/2 Processing	[LogC4, LogC4 Wireless Video Optimized, <u>Look</u>]
SDI 1/2 Color Space	[<u>REC 709</u> (SDR), REC 2020 (SDR), REC 2100/PQ (HDR), REC 2100/HLG (HDR)]
TEXTURE	
Texture	<i>choose/add custom/delete a texture</i> <u>K445</u> Default
Mirror Image	[<u>Off</u> , V, H, V+H]

SYSTEM

SENSOR	
Genlock	[<u>Off</u> , SYNC IN or TC IN]
Sync Shift (0.000 µs)	[+/-20833.333 µs <u>0 µs</u>]
User Pixel Masking	
Install User Pixel Mask	
Export User Pixel Mask	
Delete User Pixel Mask	
Grab Raw Image	
Fan Mode	[Rec Low, <u>Low Noise</u>]
Shutter Unit	[Exposure Time, <u>Shutter Angle</u>]
POWER	
Priority	[<u>Power In</u> (PWR), Onboard Bat. (BAT), Highest Voltage]
Power In (PWR) Warning (%)	[0-99% <u>10%</u>]
Power In (PWR) Warning (V)	[19.0-35.0V <u>22.0V</u>]
Onboard Battery (BAT) Warning (%)	[0-99% <u>10%</u>]
Onboard Battery (BAT) Warning (V)	[19.0-35.0V <u>22.0V</u>]
BAT Unit Preference	[<u>Percent</u> , Volt]
Enable PWR/BAT LEDs	[<u>On</u> , <u>Off</u>]
BAT Auto Boot Up	[On, <u>Off</u>]
SYSTEM TIME + DATE	
set Year, Month, Day, Hour, Minute	
BUTTONS + DISPLAY	
Display style	[<u>Day</u> , Night]
Button + LED brightness	[0-3 <u>1</u>]
MVF-2 Touch	[<u>On</u> , <u>Off</u>]
CAMERA ACCESS PROTOCOL (CAP)	
Enable CAP Server	[<u>On</u> , <u>Off</u>]
CAP Server Password...	<i>set password</i>
CAP Client List...	<i>view connected devices</i>
NETWORK/WIFI	
WiFi power	[On, <u>Off</u>]
WiFi Mode	[<u>Host</u> , Client]
Wifi Host Password...	<i>set password</i>
WiFi Host Channel	[Automatic or 1-11 <u>Automatic</u>]
WIFI NETWORK	
if Mode = Client: choose network	
STREAMING METADATA	
Enable Streaming	[On, <u>Off</u>]
Streaming Addressing	[<u>Unicast</u> , Multicast]
Streaming Address	[192.168.0.123]
Streaming Port	[<u>5432</u> ; 1024 - 65535]
LAN IP Mode	[Static, <u>DHCP</u>]
LAN Static IP	[192.168.0.100]
LAN Static Subnet	[255.255.254.0]
LAN Static Gateway	[0.0.0.0]

SYSTEM cont.

LICENSES	<i>install/uninstall licenses</i>
UPDATE	
Update Camera...	
Update LBUS Devices...	
Update MVF-2...	
Update Lens Mount...	
Update Media...	
Update PDM-1...	
RESET ELECTRIC HORIZON	
recalibrate roll & tilt	
Language	[English, <u>中文</u>]

SETUP

User Setups Installed...	<i>save/load/delete/export User Setups</i>
User Setups On USB...	<i>save/load/import User Setups from USB drive</i>
Factory Reset...	<i>load factory default settings</i>

USER BUTTONS

<i>define User Button functions for</i>	
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	
Off	
VF Status info	
VF Check LogC4	
VF Check HDR	
VF Desqueeze	
VF False Color	
VF Frame Lines	
VF Lifted Black	
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)	

USER BUTTONS cont.

SDI Color Bars	
El 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	
Calibrate Lens Motors	
Check Last Clip	
EF Open/Close Iris	
Flip Monitor	
Frame Grab	
Hand Unit Nudge	
Mirror Image	
Playback	
Prerecording	
Record Start/Stop	
Return In	
WiFi Power	

LENS & ECS

LENS DATA	
<i>info on active lens</i>	
Lens Tables Installed...	<i>see/add/delete/export Lens Tables</i>
Lens Table Favorites...	<i>see/add/delete/export Lens Tables</i>
Add To Favorites	
Clear Lens Table	<i>clears active Lens Tables</i>
Calibrate Lens Motors	
LBUS MOTOR CONFIGURATION	
Focus/Iris/Zoom Motor Torque	[1-4 <u>3</u>]
Focus/Iris/Zoom Motor Direction	[Left, <u>Right</u>]
Focus/Iris/Zoom M. Teeth Count	[<u>Auto</u> , 40t, 50t, 60t]
RADIO	
Power	[On, <u>Off</u>]
Channel	[0-13 <u>4</u>]
Status (<i>info</i>)	[<u>Off</u> , Initializing, Ready]
Connected Devices (<i>info</i>)	<i>see number of connected devices</i>
Wireless Region Setting	[Australia... to World]
Focus Unit	[<u>Lens</u> Default, Imperial, Metric]
DIOPTER COMPENSATION	
Diopter Type	[none, Imp. V, Ensö VE, Front]
Diopter Selection	[depends on above]
Diopter to Sensor Distance	[0.0cm] *FRONT ONLY
Shim Thickness	[0.00mm] *ALL BUT FRONT
Diopter Compensation	[On, <u>Off</u>]
Focus Range (<i>info</i>)	[shows close/far focus] *FRONT ONLY
Circle of Confusion	[0.009, 0.013, <u>0.025</u> , 0.035, 0.05]
Enable lens mount	[<u>On</u> , <u>Off</u>]

HOME

FPS

set sensor speed [0.750 - 330.000fps | 24.000fps]

add/delete value

OVERDRIVE

enable high speed mode [330.000 - 660.000fps | n/a]

330.000-660.000fps, depending on Sensor Mode

Recording Codec will be set to ARRICORE

TC

view timecode

OPTIONS

Timecode

reset/set to time

Run mode [Free run, Rec run]

Mode [Regen (Media), Regen (TC in), Preset, Jam sync (TC in)]

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 - 6400, 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.

PLAYBACK

METADATA

set metadata fields:

Production

Production Company

Director

Cinematographer

Camera Operator

Location

Scene

Take

User Info 1/2

INFO

get info on:

Version

System

False Color

PWR/BAT LED

Media

USB

Network

Lens

User Button

and export logs and info files:

Export HW Info File...

Export Logfiles...

ALERTS

view alerts and warnings

PLAY

skip rev/fwd, see clip list

OPTIONS

Play End Mode [Pause on end, Pause on start, Loop, Play next clip, Exit playback]