

AU-EVA1
Master Presentation Ver1.2

Panasonic

**CINEMATIC
MOMENTS**

EVA1



NEW COMPACT CINEMA CAMERA

2

AU-
EVA1

MEMORY CARD CAMERA RECORDER
RELEASE FALL 2017



Cinematic Imagery | Low-Cost Media and Workflow | Small and Light

PANASONIC CINEMA CAMERA LINE UP



Super 35
4K/2K 120FPS
AVC-Intra

VARICAM 35

Oct.2014~

Panasonic launched AF100 as the first large sensor camera in 2010



Super 35
4K 120FPS
V-RAW Only

VARICAM PURE

Dec.2016~

CINEMA VARICAM SERIES



Super 35
4K 60FPS / 2K 240FPS
AVC-Intra

VARICAM LT

Mar.2016~



**NEW
CINEMA/
PRODUCTION
CAMERA SERIES**



Panasonic has been introducing GH1 as a first DMILC with FHD recording in 2009

GH4

Apr.2014~

Four Thirds
4K 30FPS / FHD 96FPS
MOV/MP4



GH5

Mar.2017~

Four Thirds
4K 60FPS / FHD 180FPS
MOV/MP4

LUMIX GH SERIES

CONCEPT

EF MOUNT 4K COMPACT CINEMA CAMERA WITH NEWLY DEVELOPED 5.7K S35 SENSOR

1 **SUPERB 5.7K IMAGE QUALITY**
The New 5.7K S35 Sensor and New Engine Offer High Image Quality with 4K/2K 4:2:2 10 Bit Recording on SD Cards, 422 10bit Output or Raw Output

2 **FUNCTIONS WHICH EVOKE CREATIVITY**
Cinematic Look Inherited VariCam: 14stop Latitude, V-Log & V-Gamut, And Unique "IR Cinematography" Function for Capturing Fantastic Images.

3 **MOBILITY, USABILITY AND FLEXIBILITY**
Compact & Light Weight 1.2kg* For Handheld Shooting, Drone or Gimbals. And Professional Interfaces: SDI, TC In/Out and XLRs in The Body.

*BODY ONLY

■ Target Users

- Productions/Freelance (O&O)/Media Schools
Drama, Documentary, Promotion, Wedding, Short Films
- Government Agencies: Police, Military (with IR Night Shooting)

■ List Price : (w/o tax)

US\$7,499 €7,290 JP¥830,000

■ Release Date: Fall 2017.



DETACHABLE HANDLE / GRIP / LCD PANEL

S35mm 5.7K MOS	Dual Native ISO 800/2500	EF Mount
4K VFR60p 2K VFR 240p	Remote Control Built-in ND Filters	HDR (V-Log/HLG)
10bit 4:2:2 Rec	Electronic Image Stabilizer	IR Cinematograph
Professional I/Fs SDI/TC/XLRs	10b422/RAW Out*	SD Card(V90) 2slots

*Future update.

Cinematic Imaginary – Newly developed 5.7K Image sensor

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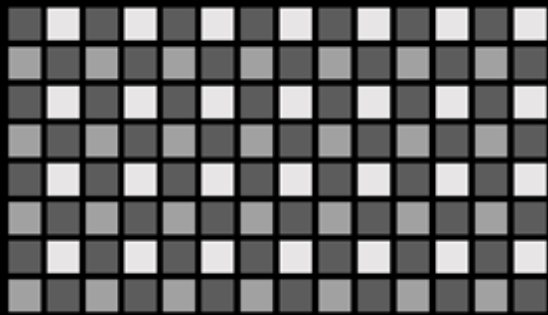
- 5.7K pixels: 5720(H)×3016(V)
- Super35mm 17:9 aspect ratio
- V-Log 14 stop Dynamic Range
- V-Gamut Wide Color Gamut
- “VariCam Look” Cinematic Colorimetry
- Sensor mode and Frame Rate
 - S35 5.7K : 4K up to 60fps
 - S35 MIX* 2.8K : 2K up to 120fps
 - 4/3” MIX* 2.2K : 2K up to 240fps
- Dual Native ISO : ISO800 & 2500

*: Pixel Mix

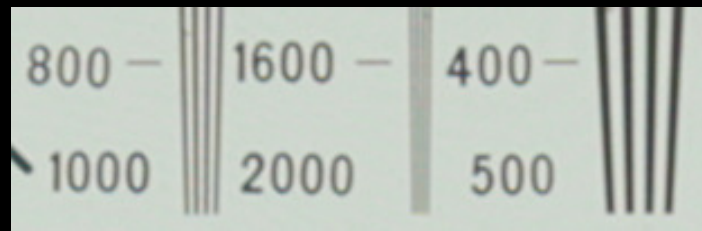


Cinematic Imaginary – 5.7K pixels

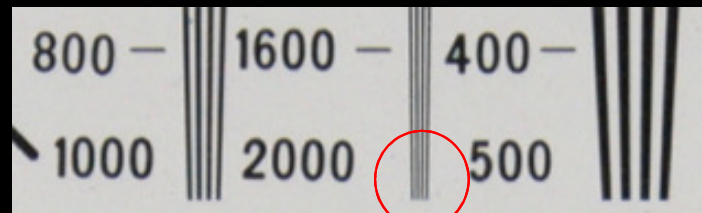
The 5.7K Super 35mm image sensor creates crystal clear 4K image with true 4K resolution (2000 TV Line).



5.7K
SENSOR



Competitor's 4K Camera



AU-EVA1

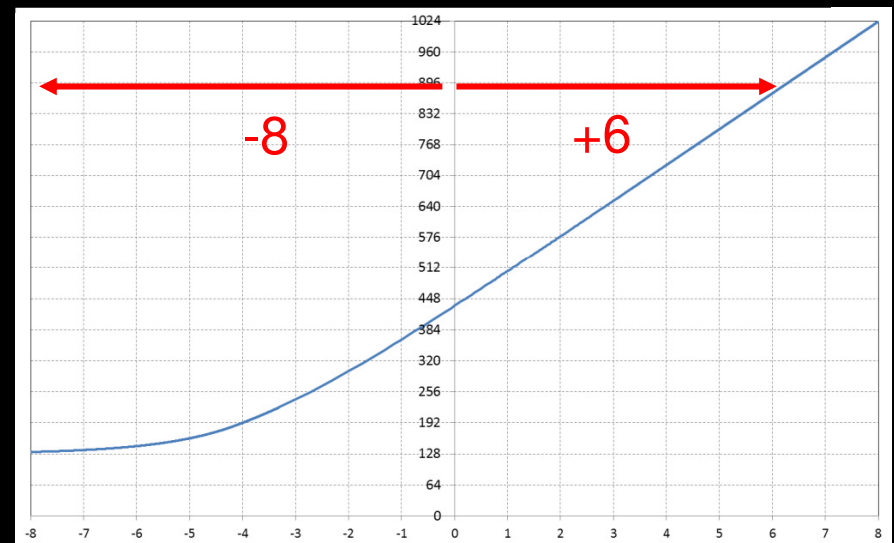
**2000 TV Line
= Real 4K Resolution**

Cinematic Imaginary – 14 Stop Dynamic Range

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- 14 Stop Wide Dynamic Range (VariCam has 14+ stops)
- V-Log curve is same as VariCam. The EVA1 performs -8/+6 stops.
- Same LUT can be applied on both VariCam and the EVA1

EVA1 x VARICAM

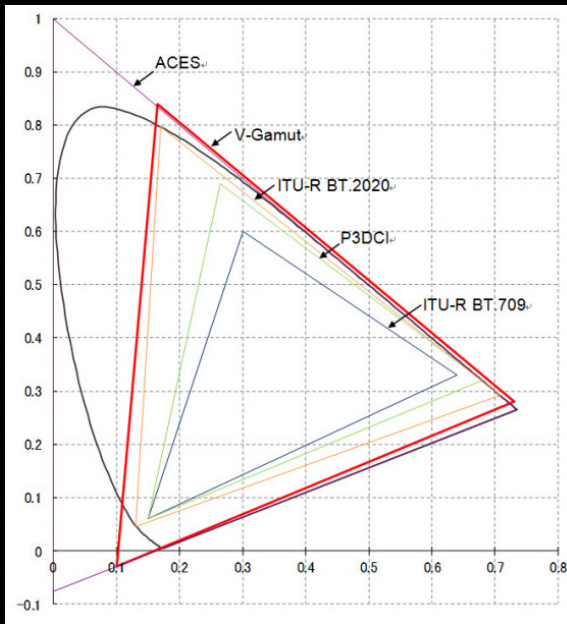


Cinematic Imaginary – VariCam Look Colorimetry

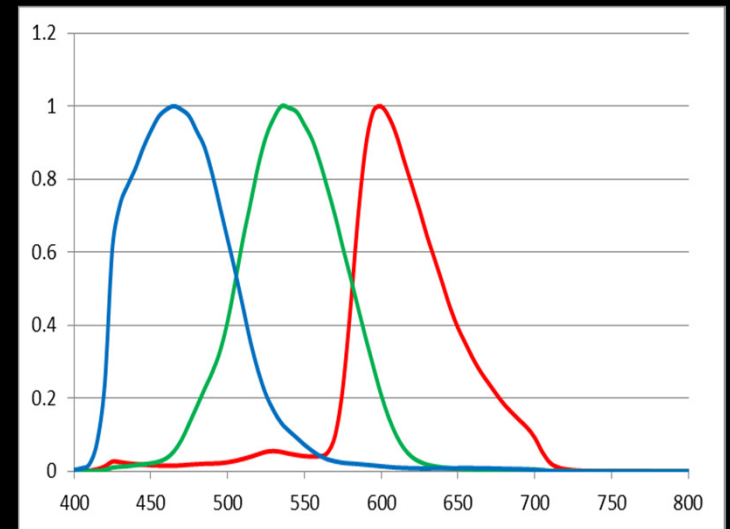
The EVA1 has Cinematic imaginary called VariCam Look, based on same color science in VariCam series.



1) Wide Color Gamut Called “V-Gamut”



2) Well Optimized Color Separation filter for good Primary Color Reproduction



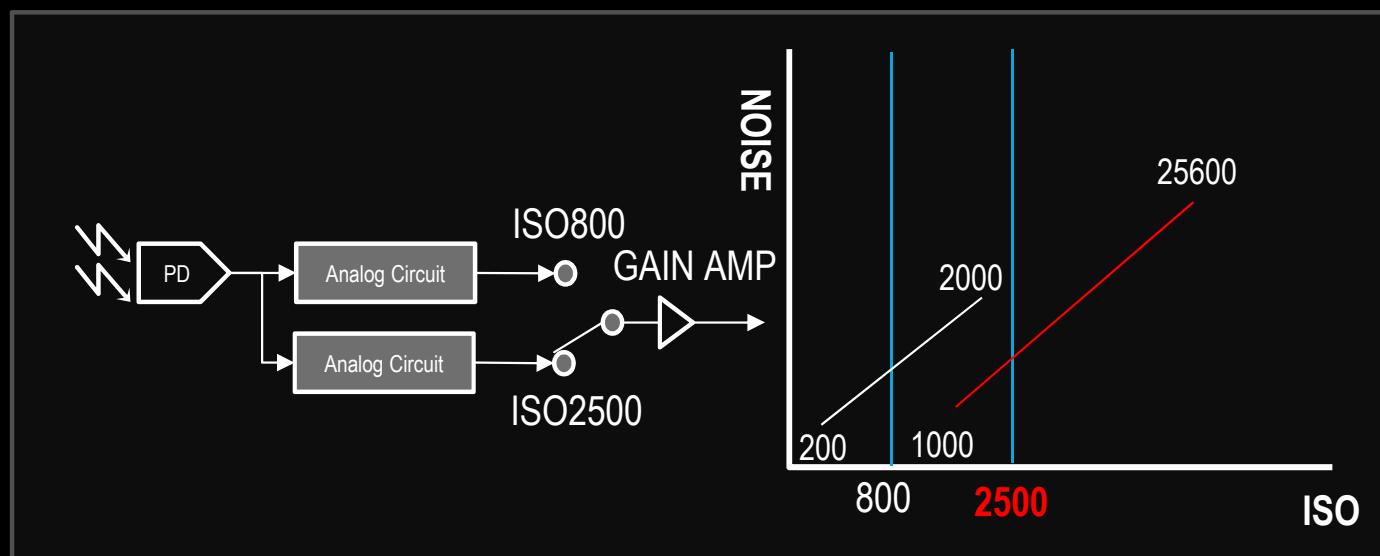
*Not actual data

Cinematic Imaginary – Dual Native ISO 800 / 2500



TWO NATIVE ISO SETTING

- ISO 800 BASE : ISO 200 to 2000
- ISO 2500 BASE : ISO 1000 to 25600



Low-Cost Media and Workflow

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- 4K/2K 4:2:2 10bit recording on SD Card
- High Quality Codecs Including ALL-INTRA 400M*
- Supporting SDXC V90 Card
- CINE-Style File Naming (.mov, A001C001_yymmdd_hhhh.mov)
- Double Card Slots



*: Future firmware update

Low-Cost Media and Workflow – Codec options/Rec Time

● 4K/2K 422 10BIT RECORDING ONTO SD CARDS

The codecs adopted in EVA1 is an extended version of LUMIX GH series. They were developed for high quality 4K/2K video recording in SD Card.

■ 4:2:2 10bit MOV

●: Standard (Oct 2017) ●: Future Firmware Update *Same as GH5

*1:Approximately	Rec. Time*1		4K (4096×2160)						UHD(3840×2160)						2K(2048×1080)						FHD (1920×1080)					
	64GB	128GB	59.94p	50p	29.97p	25p	24p	23.98p	59.94p	50p	29.97p	25p	24p	23.98p	59.94p	50p	29.97p	25p	24p	23.98p	59.94p	50p	29.97p	25p	24p	23.98p
	All-Intra 400Mbps	20m	40m	-	-	●	●	●*	●*	-	-	●*	●*	-*	●*	-	-	-	-	-	-	-	-	-	-	-
All-Intra 200Mbps	40m	1h 20m	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	●*	●*	-	-	-	-
All-Intra 100Mbps	1h 20m	2h 40m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	-	-	●*	●*	-*	●*
LongGOP 150Mbps	55m	1h 50m	-	-	●	●	●*	●*	-	-	●*	●*	-*	●*	-	-	-	-	-	-	-	-	-	-	-	-
LongGOP 100Mbps	1h 20m	2h 40m	-	-	-	-	-	-	-	-	-	-	-	-	●	●	-	-	-	-	●*	●*	-	-	-	-
LongGOP 50Mbps	2h 40m	5h 20m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	-	-	●*	●*	-*	●*

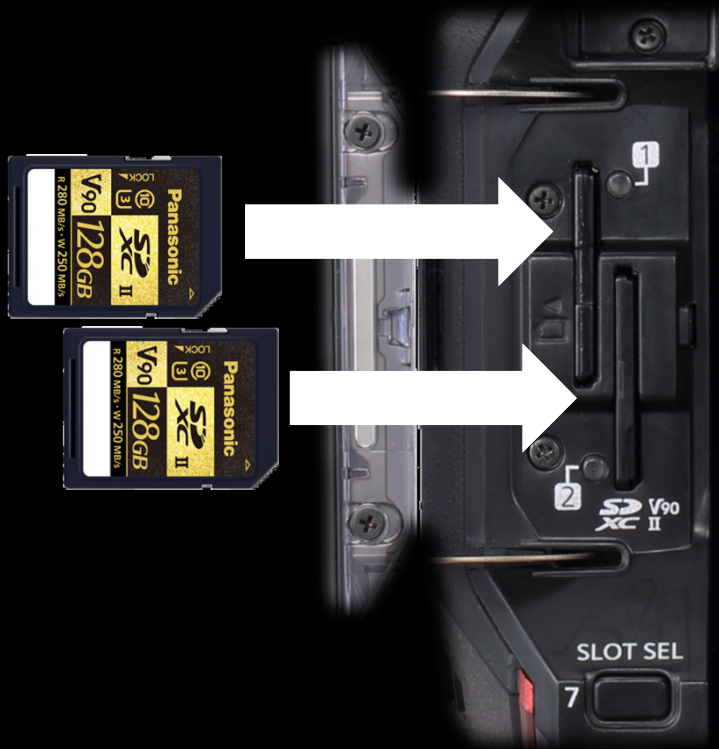
■ 4:2:0 8bit MOV

*1:Approximately	Rec. Time*1		4K (4096×2160)						UHD(3840×2160)						2K(2048×1080)						FHD (1920×1080)					
	64GB	128GB	59.94p	50p	29.97p	25p	24p	23.98p	59.94p	50p	29.97p	25p	24p	23.98p	59.94p	50p	29.97p	25p	24p	23.98p	59.94p	50p	29.97p	25p	24p	23.98p
	LongGOP 150Mbps	55m	1h 50m	●	●	-	-	-	-	●*	●*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LongGOP 100Mbps	1h 20m	2h 40m	-	-	●	●	●*	●*	-	-	●*	●*	-*	●*	●	●	-	-	-	-	●*	●*	-	-	-	-
LongGOP 50Mbps	2h 40m	5h 20m	-	-	-	-	-	-	-	-	-	-	-	-	-	-	●	●	●	●	-	-	●*	●*	-*	●*

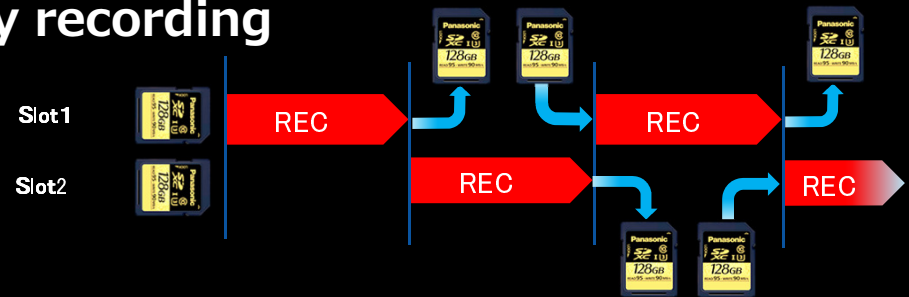
■ AVCHD Progressive / AVCHD (4:2:0 8bit)

*1:Approximately	Rec. Time*1		FHD (1920×1080)						720p	
	64GB	128GB	59.94p	50p	23.98p	59.94i	50i	59.94p	50p	
	*2: Average bit rate									
PS (25Mbps*2)	5h 20m	11h	●*	●*	-	-	-	-	-	
PH (21Mbps*2)	6h	12h 30m	-	-	●*	●*	●*	-	-	
HA (17Mbps*2)	8h 30m	17h	-	-	-	●*	●*	-	-	
PM (8Mbps*2)	17h 10m	35h	-	-	-	-	-	●	●	

Double SD Memory Card Slot Boosts Recording Reliability



■ Relay recording



■ Simul recording



Small and Light Weight

- 1.2kg Weight (BODY ONLY)
- 135 mm (W) x 133 mm (H) x 170 mm (D)
(excluding protrusions and accessories))
- DETACHABLE HANDLE, GRIP AND LCD UNIT
- ONE-TOUCH ROTATABLE GRIP
- FLEXIBLE MOUNTING LCD UNIT WITH FOLDING HOOD



Small and Light Weight - Multi Application

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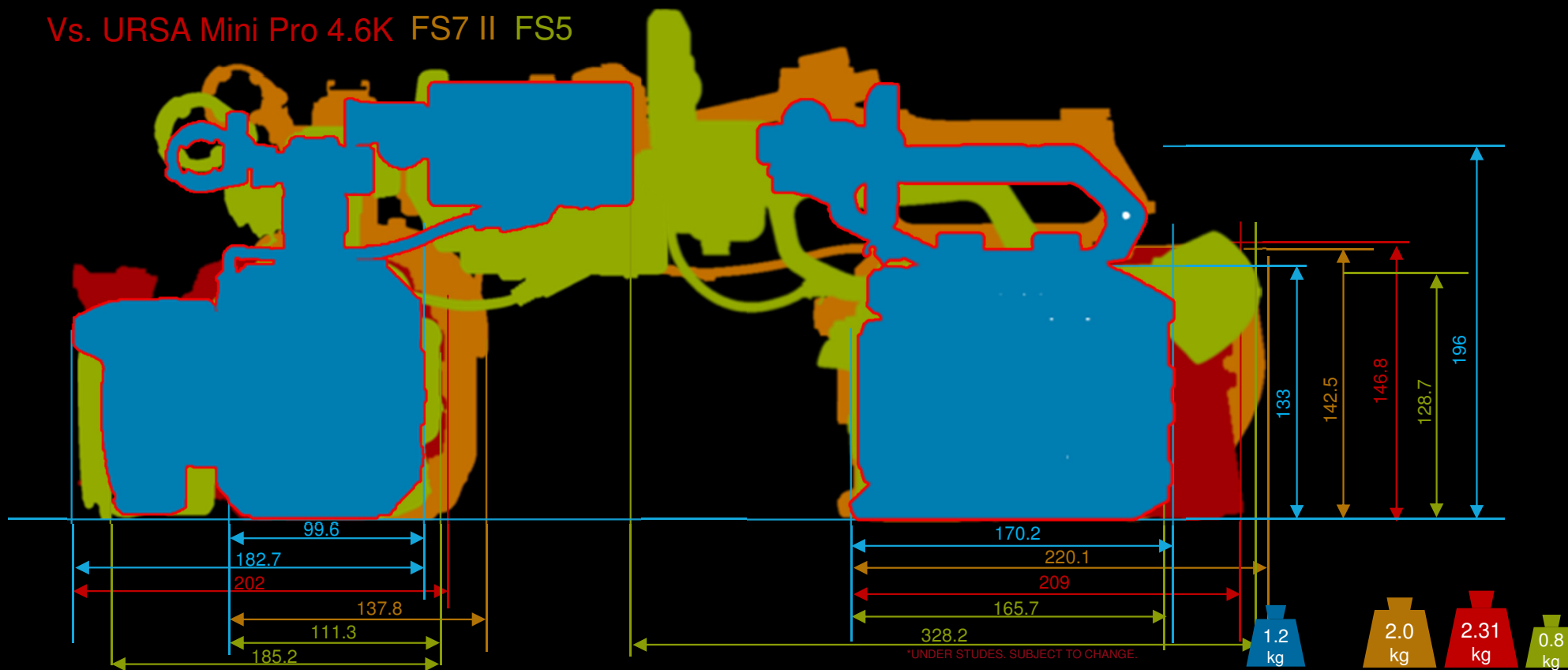
Drone / Gimbal / Handheld / Shoulder / Tripod... whatever you want



Small and Light Weight - Comparison

EVA1

Vs. URSA Mini Pro 4.6K FS7 II FS5



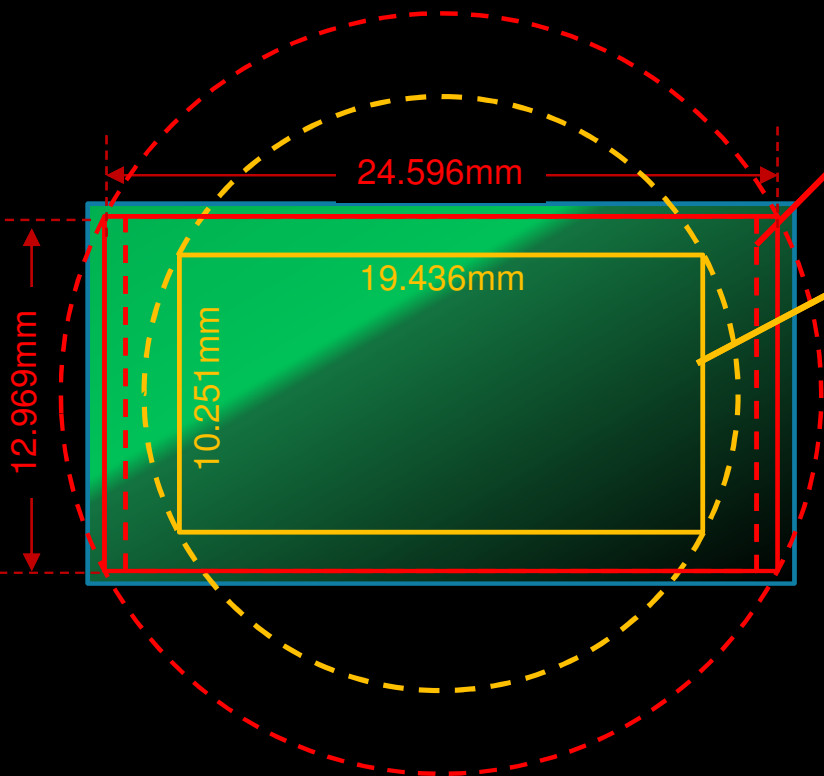
Other Creative Tools

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- High Speed shooting 4K(UHD) up 60fps / 2K(HD) up to 240fps
- Scene Files – In Camera image control
- Professional Connectivity / Flexible Video Output
- IR Cinematography
- EIS – Electric Image Stabilization –
- Simple Operation

Other Creative Tools – High Speed Shooting

High speed read out from Image sensor, 4K up to 60p, 2K up to 240p.



S35 area / 24.596mm x 12.969mm

- S35 5.7K : up to 60fps
- S35 MIX 2.8K: up to 120fps (2K/HD)

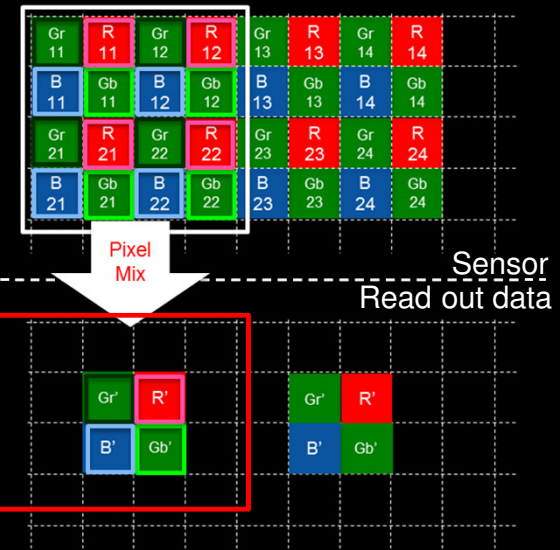
4/3" area / 19.436mm x 10.251mm

- 4/3 CROP&MIX 2.2K : up to 240p (2K/HD)

- Pixel MIX readout technology -

With this technology, the EVA1 can offer high frame rate shooting with keeping wider field of view.

*Aliasing is increased in this mode



$$Gr' = (Gr11+Gr12+Gr21+Gr22)/4$$

$$R' = (R11+R12+R21+R22) / 4$$

$$B' = (B11+B12+B21+B22) / 4$$

$$Gb' = (Gb11+Gb12+Gb21+Gb22) / 4$$

Other Creative Tools – Scene Files

As same as VariCam LT, the EVA1 has preset image settings for quick workflow.

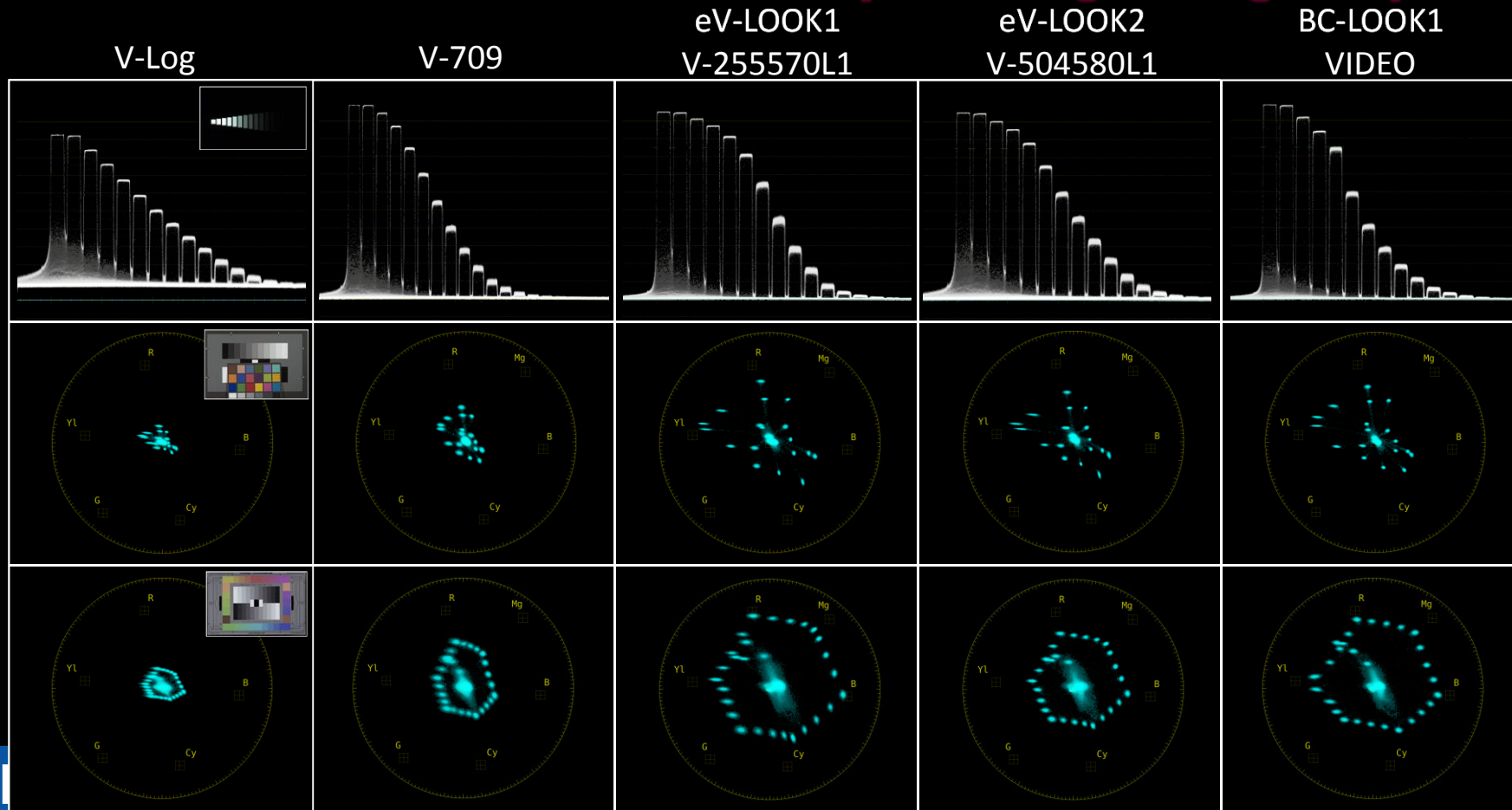


Image Control Parameters

- BLACK
- GAMMA
- KNEE
- WHITE CLIP
- DETAIL
- SKIN DETAIL
- CHROMA
- MATRIX
- COLOR CORRECTION (16 axis)

Other Creative Tools – Professional Connectivity

The EVA1 has professional connectivity which are required for filmmaking

USB 2.0 HOST
(for WiFi Dongle)

HDMI 2.0
- 4K 60p 4:2:2 10bit

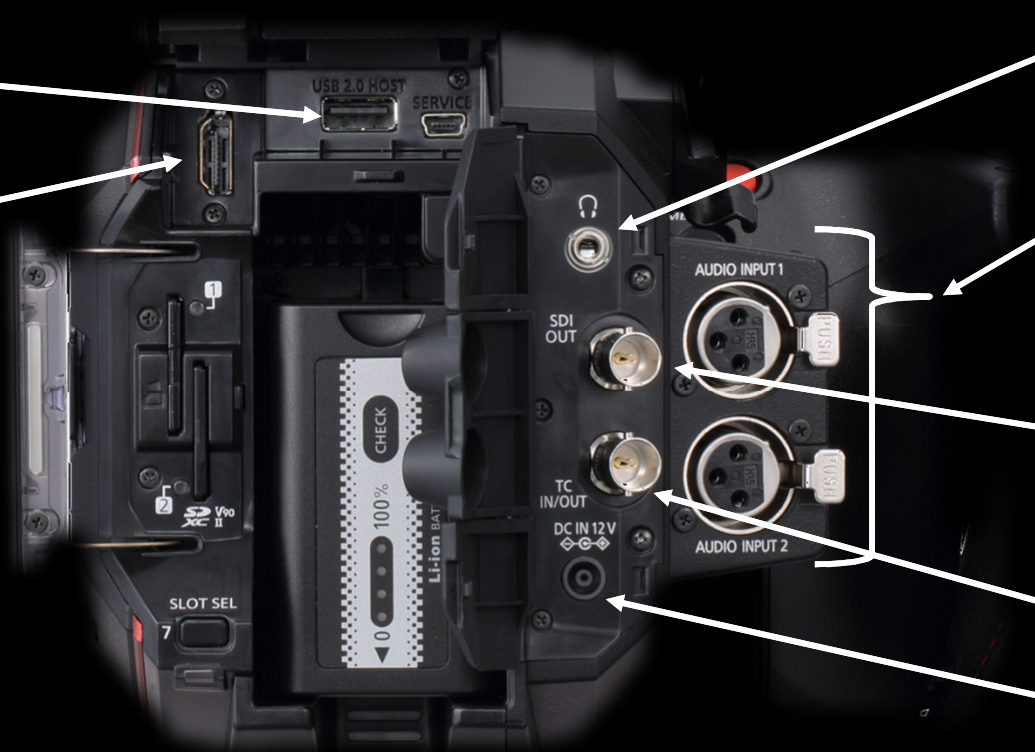
Head phone Jack

XLR 2ch

6G SDI OUT
- 4K30p 4:2:2 10bit
- RAW OUTPUT
5.7K up to 30p / 4K up to 60p
(Future Upgrade)

TC IN/OUT

12V DC-IN



Other Creative Tools – Flexible Video Output

“Resolution / Color / Marker & Indicator” can be set individually

LCD w/Focus/EI Assist functions



SDI for Monitoring/ External Recorder/
External VF(w/LCD crone)

MENU>OUTPUT SETTINGS>SDI OUT	
OUTPUT SW	ON
SIGNAL SEL	LCD(1080i)
OUT FORMAT	1920x1080i
3G-SDI OUT	LEVEL-B
SDI REC REMOTE	OFF
INDICATOR DISP	ON
MARKER DISP	OFF
MENU DISP	ON

LCD crone is available

HDMI
for Monitoring/
External Recorder

MENU>OUTPUT SETTINGS>HDMI OUT	
OUT FORMAT	4096x2160p
HDMI TC OUT	OFF
HDMI REC REMOTE	OFF
INDICATOR DISP	ON
MARKER DISP	OFF
MENU DISP	ON



COLOR SETTINGS

MENU>SYSTEM SETTINGS>COLOR SETTINGS	
MAIN	V-Log
SDI OUT	V-709
HDMI OUT	V-Log
LCD OUT	V-709

Other Creative Tools – IR Cinematography

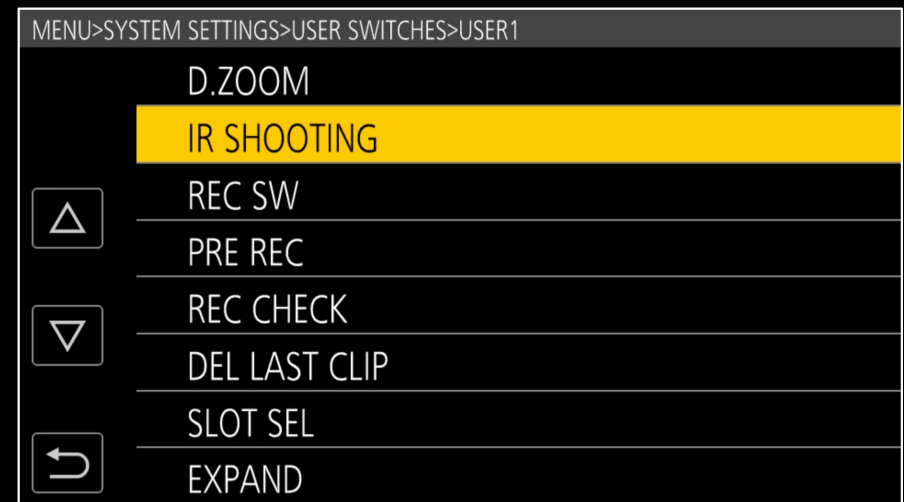
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One push removable IR cut filter system

- IR Cinematography with IR filter(Visible light cut filter)
- IR Night shooting with ISO2500 enables high sensitivity night vision



Example of IR Cinematography shot on VariCam LT with 680nm IR filter



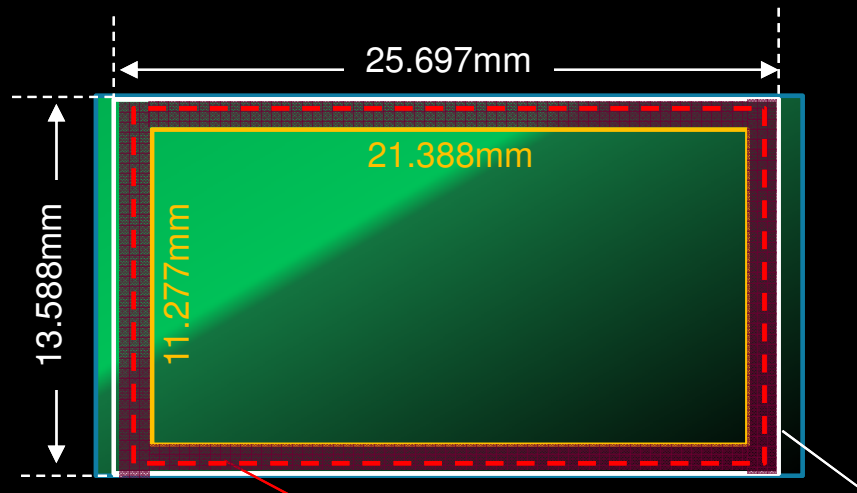
User SW assignable

Other Creative Tools – EIS Electric Image Stabilization

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E.I.S. offers image stabilization with the lens which doesn't have O.I.S.

- Effective sensor area is bigger than S35 are (25.697mm x 13.588mm)
- Recording Area is 1.15 Cropped from S35 area (21.388mm x 11.277mm)
- 2 axes correction



S35 Area(24.596mm x 12.969mm)

Usable Area for stabilization



Hand Shaking

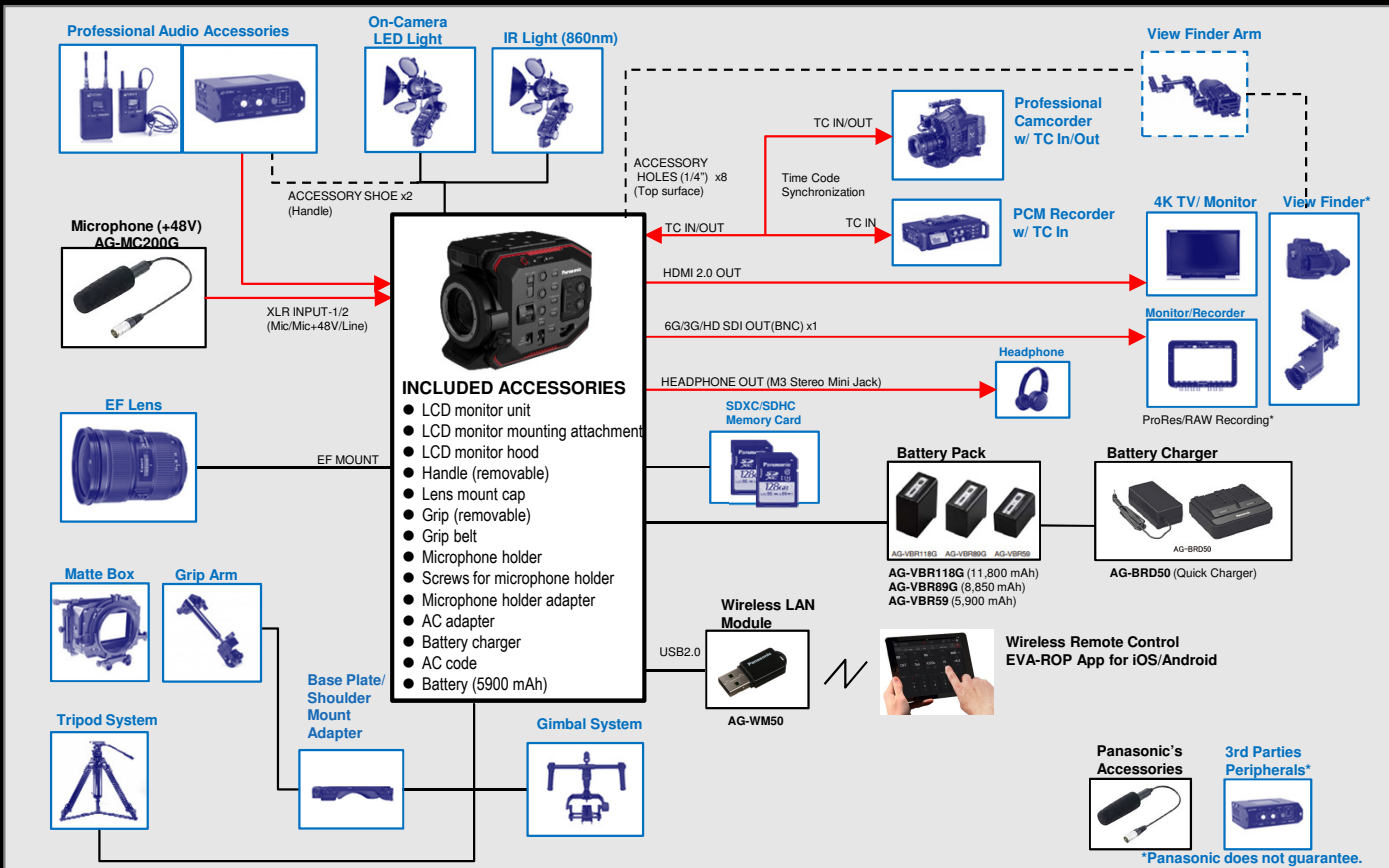
Other Creative Tools – SIMPLE OPERATION

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- EXCELLENT USABLE BUTTON & SWITCH LAYOUT
- 3.5" LCD MONITOR WITH TOUCH SCREEN
- WIRELESS REMOTE APP FOR TABLET (iOS / Android) & SMARTPHONE (Android)



ACCESSORIES



Battery Pack
AG-VBR59 (5,900 mAh)
AG-VBR89G (8,850 mAh)
AG-VBR118G (11,800 mAh)

Battery Charger
AG-BRD50
 Quick charge for AG-VBR59 /VBR89G/VBR118G

Wireless Module
AJ-WM50
 *Not available in some areas

Super-Directional Electret Microphone
AG-MC200G
 Phantom or battery powered

COMPARISON

		Canon C200/C200B	URSA Mini Pro 4.6K	AU-EVA1 (TENTATIVE)	Sony FS5	Sony FS7/7II
PRICE (Street Price)		(\$7499/5999 B&H)	\$5995 (\$5995 B&H) [body only]	\$7500 (\$6750)	(\$5,749K +Raw\$499 B&H)	(\$8499K/\$9999 B&H)
SENSOR SIZE/PIXELS		4K S35 / TTL ?M (Effective 8.85M, 17:9)	4.6K S35 / TTL ?M (Effective 11.9M, 17:9)	5.7K S35mm / TTL 19.4M (Effective 17.2M, 17:9)	4K S35mm /TTL 11.6M (Effective 8.3M, 16:9)	4K S35mm /TTL 11.6M (Effective 8.8M, 17:9)
DUAL NATIVE ISO		No	No	ISO 800/2500	No	No
LENS MOUNT		EF	EF/PL(Op)/B4(Op)	EF	E/A(Op)	E/A(Op)
AUTO FOCUS		Continuous (EF) / 1-Push Auto Face Detect	1-Push Auto	1-Push Auto	Continuous (E) / 1-Push Auto	Continuous (E) / 1-Push Auto
ND FILTER		Built-in ND (4 position / Expand: 6 position) w/ Motor Drive for Remote Control	Built-in ND(4 position)	Built-in ND(4 position, Remote func.) w/ Motor Drive for Remote Control	Electronic Variable ND	Built-in ND(4 position) / E-Variable ND
BUILT-IN IMAGE STABILIZER		No	No	Yes 2-axis (E.I.S.)	No	No
IR CUT FILTER ON/OFF		No	No	Yes (One-touch) w/ Motor Drive for Remote Control	No	No
DYNAMIC RANGE		13 stop (Canon Log 3 @mp4)	15 stop	14 stop(V-Log)	14 stop(S-Log3)	14 stop(S-Log3)
GAMUT (COLOR SPACE)		?		V-Gamut	S-Gamut/S-Gamut3/S-Gamut3.Cine	S-Gamut/S-Gamut3/S-Gamut3.Cin
LOG		Canon Log/3	-	V-Log/HLG	S-Log3/2	S-Log3
VFR		FHD Up to 120 fps	4.6K Up to 60 fps 2K Up to 120 fps	4K/UHD Up to 60 fps 2K/FHD Up to 120 fps 2K/FHD Up to 240 fps (Cropped)	UHD: 1-30 fps (6step) FHD: 1-60 fps (7step) Super Slow*:120-960fps(4)	UHD: 1-60 fps FHD: 1-180 fps RAW*:120/240fps
FILE FORMAT	RAW	Cinema RAW Light(1/3~1/5) (CFast2.0 cards are required)	CinemaDNG RAW/RAW3:1/RAW4:1 (CFast2.0 cards are required)	Standard RAW Output(6G SDI) (5.7K 30p / cropped 4K 60p)[V-up *1]	Op (CBKZ-FS5RIF) + Atomos/ConvergentDesign	Op (XDCA-FS7+HXR-IFR5 + AXS-R5)
	4K/UHD60p/50p	Cinema RAW Light 10bit, UHD: MP4 (H.264 Long GOP, 8bit 420)	*CinemaDNG RAW/RAW 3:1/4:1, Apple ProRes *4444 XQ/*4444/	LongGOP150M MOV (420 8bit, H.264)	No	XAVC Intra / L420 MXF (422 10bit intra / 420 8bit long)
	4K/UHD30p/25p/24p	Cinema RAW Light 12bit UHD: MP4 (H.264 Long GOP, 8bit 420)	422 HQ /422 /422 LT/422 Proxy (QuickTime)	All-Intra 400*2 MOV (422 10bit, H.264) LongGOP150M MOV (422 10bit, H.264) LongGOP100M MOV (420 8bit, H.264)	XAVC L420 MXF(UHD 420 8bit)	XAVC Intra / L420 MXF (422 10bit intra / 420 8bit long)
	2K/FHD	2K: MP4 for Proxy (H.264 Long GOP, 8bit 420) FHD: MP4 (H.264 Long GOP, 8bit 420)		All-Intra 200/100*2 MOV (422 10bit, H.264) LongGOP100/50 MOV (422 10/8bit, H.264) AVCHD	XAVC L422 MXF (FHD 10b422) AVCHD	ProRes (Op, XDCA-FS7) XAVC L422 MXF (FHD 10b 422) MPEG HD422 MXF/AVCHD
MEDIA SLOT		CFast 2.0 x1 ,SDXC x2	CFast 2.0 x2 ,SDXC(UHS-II) x2	SDXC (UHS-II, V90) x2	SDXC/MS x2	XQD x2
REC FUNCTIONS		Relay, Simul, Dual Codec	Relay	Simul/Relay	Simul/Relay/Backup	Simul/Relay/Backup
BUILT IN MONITOR	TYPE	4" ?K LCD (C200)	4" ?K LCD	3.5" 1150k LCD	3.5" 1560k LCD	3.5" 1560k LCD/VF
	TOUCH PANEL	Yes	Yes	Yes	No	No
EVF		0.46" 1770k OLED (C200)	Option (\$1495)	No	0.39" 1440k OLED	No
AV I/F		SDI Out x1, HDMI x1 XLR In x2, Mic In x1	12 SDI In x1, 12G SDI Out x1, 3G SDI Out x1, Ref/TC in x1, XLR In x2	6G SDI Out x1, HDMI x1 TC In/Out x1 XLR In x2	3G SDI out x1, HDMI x1 XLR In x2	3G SDI out x1, HDMI x1 G/L in/out +TC in/out (op) XLR In x2
CAMERA REMOTE CONTROL		Via LANC? with RC-V100 (\$2999) (hard wear based ECU level control)	Via SDI with ATEM TV Studio HD (\$995) (soft wear based CCU/Color Corrector)	Via WiFi with ROP App (Free) (soft wear based ECU level control)	Via LANC with RM-30BP(\$999) (hard wear based simple remote control)	Via LANC with grip
WEIGHT		1.335 kg (C200B)	2.31 kg (body + grip only)	1.2 kg (body only)	0.8 kg (body only)	2.0kg (body only)

SPECIFICATION

■General Specification

Power:	DC 7.28 V (battery operation) DC 12 V (AC adapter operation)
Power Consumption:	19 W (with LCD/HDMI/SDI ON)
Operating Temperature:	0 °C to 40 °C (32°F to 104°F)
Operating Humidity:	10% to 85% (relative humidity)
Storage Temperature:	-20 °C to 60 °C (-4°F to 140°F)
Weight: Body:	Approx. 1.2 kg (2.65 lb) (excluding accessories)
Shooting:	Approx. 2.05 kg (4.52 lb) (with accessories)
Dimensions:	135 mm (W) x 133 mm (H) x 170 mm (D) (excluding protrusions and accessories) (5-5/16 inches x 5-1/4 inches x 6-11/16 inches)

■Camera Unit

Image Sensor:	Super 35 mm, MOS sensor
Number of Pixels: Total pixels:	Approx. 20.49 megapixels, 6340 (H) x 3232 (V)
Effective pixels:	Approx. 17.25 megapixels, 5720 (H) x 3016 (V)

Sensor Area and Max Frame Rate:

S35: 4K/UHD 60 fps/50 fps
2K/HD 120 fps/100 fps
4/3": 2K/HD 240 fps/200 fps

Latitude:

14 stop

Log:

V-Log

Gamma:

eV-Look Gamma (2 types)
Video Gamma
Hybrid Log Gamma (HLG)

Gamut:

V-Gamut (V-Log)

EI Settings:

[ISO] mode: NATIVE ISO: 800, 2500
800 Base: 200 to 2000
2500 Base: 1000 to 25600
[dB] mode: (Normal) -12 dB to 8 dB
(High) -8 dB to 20 dB

Shutter Speed:

[deg] mode: 1.0 deg to 358 deg (0.5 deg step)
12 presets
[sec] mode: 1/24.1 sec to 1/8000 sec (23.98p)
12 presets

Color Temp:

ATW, AWB, 2000 K to 15000 K ±10.0 GMg
12 presets

Lens Mount:

EF mount

Image Stabilization:

Electric Image Stabilization (EIS)

Auto Focus:

One push auto focus

ND Filter:

CLEAR, 0.6ND, 1.2ND, 1.8ND, Electrical driven

SPECIFICATION

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■Memory Card Recorder

Recording Media: SDHC memory card (4 GB to 32 GB)
SDXC memory card (32 GB to 128 GB)
UHS- I /UHS- II UHS Speed Class3 is supported,
Video Speed Class V90 is supported

Recording Slot: SD memory card slot x 2

Recording Resolution: 4096 x 2160 (4K), 3840 x 2160 (UHD),
2048 x 1080 (2K), 1920 x 1080 (FHD),
1280 x 720 (HD)

Recording System Frequency: 59.94p, 50p, 29.97p, 25p, 24p, 23.98p
59.94i, 50i (AVCHD only)

2slot Functions: Simul Rec, Relay Rec, Loop Rec*1,
Background Rec*1

Other Rec Functions: Pre Rec, Interval Rec*1, One Shot Rec*1

■Digital Video

Quantizing: MOV: 4:2:2 10 bit/4:2:0 8 bit
AVCHD: 4:2:0 8 bit

Video Compression Format: H.264/MPEG-4 AVC High Profile

■Digital Audio

Recording Audio Format:

Headroom:

■Video Output

SDI OUT:

MOV: 48 kHz/24 bit, 2 CH, Linear PCM
AVCHD: 48 kHz/16 bit, 2 CH, Dolby Audio™
18 dB/20 dB (menu switchable)

BNC x 1, SDI REC REMOTE is supported
0.8 V [p-p], 75 Ω, 4K (6G), HD (3G/1.5G)

Output format (4:2:2 10 bit):

- 4096 x 2160: 29.97p, 25p, 24p, 23.98p
- 3840 x 2160: 29.97p, 25p, 24p, 23.98p
- 1920 x 1080: 59.94p, 50p, 59.94i, 50i, 29.97p,
29.97PsF, 25p, 25PsF, 24p, 24PsF,
23.98p, 23.98PsF
- 1280 x 720p: 59.94p, 50p

RAW* output format (10 bit):

- 5760 x 3072: 29.97p, 25p, 24p, 23.98p
- 4096 x 2160: 59.94p, 50p, 29.97p, 25p, 24p, 23.98p

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HDMI:	HDMI x 1, TypeA, HDMI REC REMOTE is supported, Viera Link is NOT supported Output format (4:2:2 10 bit): <ul style="list-style-type: none">• 4096 x 2160: 59.94p, 50p, 29.97p, 25p, 24p, 23.98p• 3840 x 2160: 59.94p, 50p, 29.97p, 25p, 24p, 23.98p• 1920 x 1080: 59.94p, 50p, 59.94i, 50i, 29.97p, 25p, 24p, 23.98p• 1280 x 720: 59.94p, 50p• 720 x 480: 59.94p• 720 x 576: 50p Output format (4:2:0 8 bit): <ul style="list-style-type: none">• 4096 x 2160: 59.94p, 50p• 3840 x 2160: 59.94p, 50p
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■Audio Input/Output

Internal Mic:	Stereo microphone
INPUT1/2:	XLR (3-pin) x 2 (INPUT1/2), input high impedance, LINE/MIC/MIC +48 V (menu switchable)
MIC:	−40 dBu/−50 dBu/−60 dBu (menu switchable)
LINE:	+4 dBu/0 dBu (menu switchable)
SDI OUT:	Linear PCM 2 CH
HDMI:	Linear PCM 2 CH
PHONES:	3.5 mm stereo mini jack x 1
Speaker:	20 mm diameter, round x 1

■Other Input/Output

TC IN/OUT:	BNC x1 for IN/OUT (menu switchable) IN: 1.0 V [p-p] to 4.0 V [p-p], 10 kΩ OUT: 2.0 V [p-p] ±0.5 V [p-p], low impedance
LCD:	40-pin (Dedicated)
REMOTE:	2.5 mm Super Mini Jack
USB 2.0 (HOST):	Type-A, 4-pin for Wireless Module (AJ-WM50)
EF Mounting Contact:	8-pin
DC IN 12 V:	DC 12 V (10.5 V to 13.5 V) EIAJ type 4

■LCD Monitor

Size:	3.5-type LCD monitor (approx. 1,150,000 dots) Touch panel (MENU control, Shooting assist functions)
Switches:	MIRROR (OFF, B/T, ROTATE)

■Hand Grip

Mounting Mechanism:	One touch rotatable/Detachable
Switches:	REC, MENU/IRIS dial, User switch x 2

■Included Accessories

Battery (5900 mAh), Battery charger, AC adapter, AC cable, Shoulder strap, Microphone holder, Microphone holder adapter, LCD monitor (with hood and mounting attachment), Handle, Grip, Grip belt, Mount cap