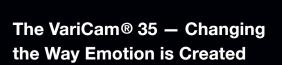
Panasonic







Create Emotion



The VariCam line of cameras has been used on a wide variety of movies, commercials, and TV programs, and is renowned for its color reproduction, look, and for bringing progressive workflows to the production industry.

Now the VariCam 35 has arrived. Drawing on the traditions of the original VariCam line, VariCam 35 helps its users create emotion with its amazing latitude, wide color gamut, and 4K resolution. It also revolutionizes workflow with the addition of dual-codec recording, in-camera color grading, and a modular design.

The feature-rich VariCam 35 is ready to create emotion for your next project.



Film-like Images at 4K Resolution, and Revolutionary New VariCam Workflows







4K Images with the VariCam Look

- Newly developed super35mm sensor ideal for 4K (4096 x 2160) and UHD (3840 x 2160) shooting.
- Wide dynamic range 14+ stops of latitude.
- Dual native ISO at ISO 800 and 5000 keeping S/N and dynamic range.
- V-Gamut: wide color gamut.
- V-Log: tuned for emotional images.
- V-709: cinematic tuned Rec 709.
- Built-in ND filters (0.6ND, 1.2ND, 1.8ND, CLEAR).
- Built-in low-pass filter tuned for 4K and UV/IR-cut filter.

Revolutionary Dailies in Camera

In-camera Color Grading
 Color grading function (CDL/3D LUT) allows on-set color grading using control panel or 3rd party software**. CDL/3

grading using control panel or 3rd party software*1. CDL/3D LUT files is recorded together with clip.

Double Recorder

Records ungraded 4K master with grading information and graded HD images simultaneously.

Dual Codec Recording
 Simultaneously records in two different formats, codecs and selectable from V-Log/V-709/Grading.

Multiple Codec, Multiple Outputs

- Supports AVC-Intra4K for 4K and UHD recording.
- Supports AVC-Intra2K for 2K recording.*1
- AVC-Intra100, AVC-Intra200*1 and Apple ProRes*1*2 for HD recording.
- Records 24 bit/48 kHz sampling, four channel high-quality digital audio and metadata.
- Variable frame rate recording in the range of 1 fps to 120 fps.*3
- Allows cable-less docking of a Codex V-RAW Recorder.*1*4
- Provided with 3G-SDI 4K QUAD (BNC x 4) output,
 Monitor output x 3 and AUDIO (XLR x 2) input.



















Newly Developed EVF and Control Panel

EVF (AU-VCVF1G)

- High-resolution 0.7 type (1280 x 720 pixels) OLED panel shows a wide field angle with viewfinder magnification of 0.78x.
- Large-diameter 38 mm eyepiece lens offer comfortable viewing with minimum vignetting.
- Optical zoom and advanced focus assist function.

Control Panel (on AU-VREC1G)

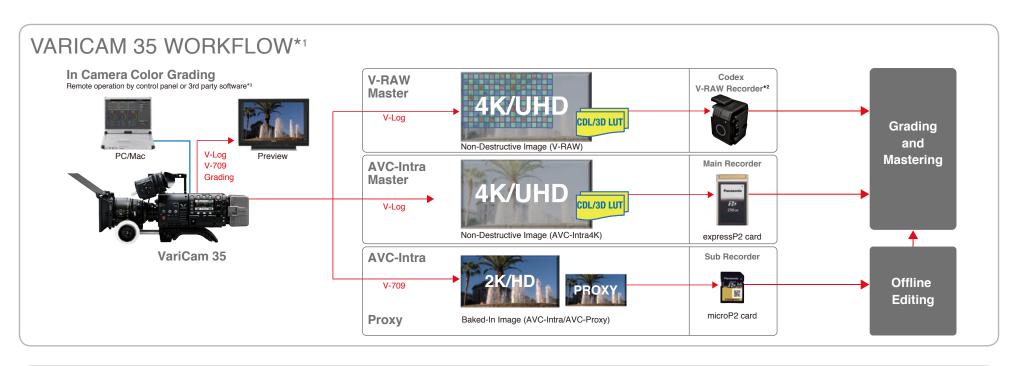
- Detachable control panel for enhanced camera flexibility.
- 3.5 type LCD display panel for live preview.
- Direct access to frequently used menu.

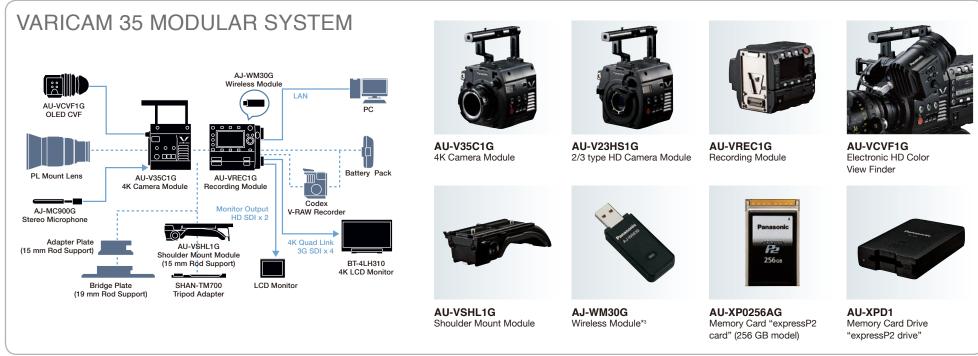
Modularity

- Modular structure with independent camera head and recorder module. Dockable camera head is interchangeable with the VariCam HS.
- Flat top and bottom panels for easy installation of various plates.
- Mounting holes provided on both sides and handle for convenient mounting of accessories.
- Shoulder mount module (AU-VSHL1G) can be moved in a range of 110 mm in the front and back direction to accommodate a diversity of lenses.

Durability and Reliability

- The lens mount section is made of stainless steel, and designed to prevent flange back deviation due to temperature changes.
- · Body made of strong and rigid aluminum alloy.
- Cooling system designed for effective dissipation of heat from the circuitry section.





^{*1:} This chart shows an example of the workflow using VariCam 35. *2: Codex V-RAW Recorder is a product of Codex. This will be available in the near future and supported by VariCam 35 by firmware upgrade. For details, please visit Panasonic website (http://pro-av.panasonic.net/). *3: To be supported by firmware upgrade. For details, please visit Panasonic website. (http://pro-av.panasonic.net/)

General (Combination of AU-V35C1G and AU-VREC1G)

Power:	DC 12 V (11.0 V – 17.0 V)
Power Consumption:	69 W (Body only) 99 W (With all optional accessories connected and maximum power supplied from each output terminal)
Operating Temperature:	0°C to 40°C
Operating Humidity:	10% to 85% (Relative humidity)
Storage Temperature:	−20°C to 60°C
Weight:	Approx. 5.0 kg (Body only)
Dimensions (W x H x D) :	179 mm x 230.5 mm x 347 mm (7-1/16 inches x 9-1/16 inches x 13 -21/32 inches) (Body only, excluding protrusion)

Camera Module (AU-V35C1G)

super35 mm MOS 8.9 million pixels
35 mm PL mount
ND filter: 1: CLEAR, 2: 0.6 ND 3: 1.2 ND, 4: 1.8 ND
[ISO] mode: ISO 800 to 12800 [dB] mode: 0 to 24 dB (3 dB step)
[deg] mode: 1.0 to 358 deg (0.5 deg step) [sec] mode: 1/24 to 1/250 (When 24p mode)

Recording Module (AU-VREC1G) When used with AU-V35C1G Memory Card Recorder

Recording Media:	expressP2 card, P2 card, microP2 card
Recording Resolution:	4096 x 2160, 3840 x 2160, 1920 x 1080
Recording Framerate:	Maximum 4K/UHD 50p/60p, HD 50p/60p
System Frequency:	59.94p, 50p, 29.97p, 25p, 23.98p
Recording Format:	Main Recorder: AVC-Intra4K 4:2:2, AVC-Intra100 Sub Recorder: AVC-Intra100, AVC-LongG50, AVC-LongG25
Recording Video Signal:	4096 x 2160/59.94p, 50p, 29.97p, 25p, 23.98p 3840 x 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 x 1080/59.94p, 50p, 29.97p, 25p, 23.98p
Recording Time: (Main Codec)	(When expressP2 card 256 GB is used)*2 Approx. 90 min. (AVC-Intra4K 4:2:2, VFR OFF, 23.98p) Approx. 36 min. (AVC-Intra4K 4:2:2, VFR ON, 50fps/60fps) Approx. 128 min. (AVC-Intra 100, VFR ON, 50fps/60fps)
Recording Time: (Sub Codec)	(When microP2 card 64 GB is used)*2 Approx. 64 min. (AVC-Intra100, 25p/29.97p) Approx. 128 min. (AVC-LongG50, 25p/29.97p) Approx. 256 min. (AVC-LongG25, 25p/29.97p
Digital Video	
Quantizing:	10 bit
Video Compression Format:	AVC-Intra4K 4:2:2/AVC-Intra100: MPEG-4 AVC/H.264 Intra Profile AVC-LongG50/AVC-LongG25: MPEG-4 AVC/H.264
Digital Audio	
Recording Audio Signal:	48 kHz/24 bit, 4 ch Head room 18 dB/20 dB menu switchable
Proxy	
File Format:	MOV
Video Compression Format:	H.264/AVC High Profile
Audio Compression Format:	LPCM

Video Input/Output	
SDI OUT:	HD (1.5G)/3G-SDI, 0.8 V[p-p], 75 Ω (1 set, 4 pieces)
MON OUT1:	HD (1.5G)/3G-SDI, 0.8 V[p-p], 75 Ω
MON OUT2:	HD (1.5G)/3G-SDI, 0.8 V[p-p], 75 Ω
VF SDI:	HD (1.5G)/3G-SDI, 0.8 V[p-p], 75 Ω
Audio Input/Output	
AUDIO IN (CH1/CH2):	XLR x 2, 3 pin, LINE/MIC/MIC+48 V/AES switchable
MIC IN:	XLR x 1, 5 pin
PHONES:	Stereo mini jack
Speaker:	20 mm diameter, round x 1
Other Input/Output	
GENLOCK IN:	HD (1.5G)/3G-SDI, 0.8 V[p-p], 75 Ω
TC IN/OUT:	BNC×1, IN/OUT switch selection IN: 0.5 V[p-p] to 8 V[p-p], 10 k Ω OUT: 2.0 \pm 0.5 V[p-p], Low impedance
DC IN:	XLR 4 pin, DC 12 V (DC 11.0 V to 17.0 V)
DC OUT/RS:	4 pin, DC 12 V (DC 11.0 V to 17.0 V), maximum output current 1.0 A
DC OUT:	2 pin, DC12 V (DC 11.0 V to 17.0 V), maximum output current 1.0 A
LENS:	12 pin x 1, 4 pin x 2
VF:	14 pin
LAN:	100BASE-TX/10BASE-T
USB2.0 (device):	Type B connector, 4 pin
USB2.0 (host) :	Type A connector, 4 pin *3
EXT:	50 pin (for external recording only) *3
Control Panel	
Display Panel:	LCD, 3.5-type QHD color monitor Approx. 1.56 million dots

Electronic HD Color View Finder (AU-VCVF1G)

Display Panel:	OLED, 0.7-type, Approx. 2.76 million dots
Signal Input:	1080/59.94p, 1080/50p

^{*1:} Specification is preliminary as of October 2014. Specification subject to change upon firmware upgrade. For the latest specification, please visit Panasonic website. (http://pro-av.panasonic.net/) *2: These are reference values for continuous recording. The recording time may differ depending on the scene or the number of clips *3: This will be supported by firmware upgrade. For details, please visit Panasonic website. (http://pro-av.panasonic.net/)

Panasonic

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Factories of AVC Networks Company have received ISO14001:2004-the Environmental Management System certification. (Except for 3rd party's peripherals.)

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