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CREATIVITY



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* The lens, mic, viewfinder, wireless receiver and battery pack shown in the photo are optional accessories.

New-Generation Shoulder Camera-Recorder Featuring Outstanding 4K/HDR Picture Quality and Advanced Networking Functions

> Panasonic Reference

Worldwide Olympic Partner









4K & HDR Images with a Resolution of 2000 TV Lines, 4K 10-Bit 100-Mbps HEVC Codec Recording, Networking Solutions of Live Streaming and NDI/HX*1 IP Connection

CREATIVITY CONNECTIVITY

4K HDR Picture Quality 4K 10-bit HEVC Codec expressP2 card Direct Streaming NDI | HX IP Connection 12G-SDI 4K Output

The AJ-CX4000GJ new-generation Camera Recorder responds to the emerging needs of the broadcasting industry, such as high-quality 4K recording and network distribution, while retaining the broadcast-standard B4 lens mount and shoulder-mount design. The large-size 11.14 M-pixel image sensor provides a high horizontal resolution of 2000 TV lines for recording of 4K/HDR images. A nimble workflow can be realized by using the HEVC codec for high-efficiency 4K 10-bit recording and the expressP2 card with high transfer speed. What's more, the HD direct streaming function that enables live streaming to social media and the NDI|HX-compatible*¹ IP connection function offer innovative networking solutions.

The AJ-CX4000GJ also supports the AVC-ULTRA codec*² used by the P2HD Series to permit smooth linkage with existing HD broadcasting systems. It provides advanced support in various applications such as broadcasting or recording sports events and in the production of documentaries.

1: NDI[HX, a technology of NewTek, Inc. To use this function, an activation keycode from NewTek is required. 2: Use an expressP2 card or a microP2 card for recording in P2 format. Conventional P2 cards can not be used.

Large Sensor and Optical Magnifying System Achieve High-Quality 4K/HDR Shooting



The AJ-CX4000GJ has the Panasonic original optical magnifying system, same as the AK-UC4000 4K studio camera having good reputation for its image quality. If designed 4K image sensor with a 2/3-type size, the pixel size is reduced from the 5.0 microns of HD to 2.5 microns, thereby lowering the image quality and sensitivity. An optical magnifying lens allows the mounting of a large sensor on a 2/3-type lens mount.

AJ-CX4000GJ chooses the image sensor, which secures a pixel size of 4.3 microns to obtain a wide dynamic range and has Dual Native ISO technology to achieve low noise even in dim lighting.

This system achieves the following operability and high image quality of the 2/3-type lens and 4K/HDR shooting.

- 2/3-type lens mount secures a deep depth of field.
- 11.14 M-pixel oversampling obtains a horizontal resolution of 2,000 TV lines or more.
- 4K achieves high sensitivity F10 (59.94 Hz)/F11 (50 Hz) in High Sens mode.
- HDR shooting is supported with HLG (Hybrid Log Gamma).
- A newly developed color filter achieves color reproduction that approaches the 3-chip type.

0.005 lx of Minimum Illumination, High-Sensitivity DS Gain

4K 25× 7.6

High sensitivity is achieved with DS gain. Combined with master gain, this enables a maximum +76 dB,* for ultrahigh sensitive recording at minimum subject illumination of 0.005 lx.

* With super gain set at F1.4, +42 dB and digital super gain (cumulative mode) at +34 dB.

HDR Shooting Assist Functions

• SDR Monitoring Gamma: Gamma curves for monitoring HLG images with the SDR viewfinder or other SDR monitor.

- HDR/SDR Parallel Output: Dual SDI can output both HDR and SDR simultaneously.
- VF/LCD HDR/SDR Selector: Assignable to the USER button for
- easy switching between HDR and SDR even during recording.
- Eight mode Gamma: Select from HD/SD/FILMLIKE 1/FILMLIKE 2/ FILMLIKE 3/FILM-REC/VIDEO-REC/HLG gamma curves.

* The HLG specification was developed jointly by Japanese broadcaster NHK and the BBC in the UK. It is defined in ARIB STD-B67 and ITU-R BT.2100.

High-Definition Touch Panel LCD with an HD720p Display Capability

The standard 3.5-type color LCD with approximately 2.76 M pixels allows for high-definition color monitoring. In addition, the touch panel makes it easy to operate the menu.

2.4-Type Black-and-White Organic EL Display

The 2.4-type black-and-white organic EL display offers high brightness and clearly shows the status information even in outdoor environment, such as the timecode and audio input level.

High Picture Quality with Shooting Assist Functions

- Two Optical Filters: ND and CC, have four positions each.
- Chromatic Aberration Compensation: The small amount of
- circumjacent chromatic aberration is compensated.

• Dynamic Range Stretcher: Suppresses blocked shadows and blown highlights to achieve a visually wide dynamic range.

- Advanced FBC: High-precision flash band compensation.
- Digital Zoom: 2x/3x/4x digital zoom boost.

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- Focus Assist: "Expand", "Peaking" and "Focus Square."
- Shockless AWB: A smooth transition occurs when switching white balance. It is also equipped with an auto tracking white function.
- WFM/Vectorscope: Simplified display on LCD and VF.
- High-Brightness Zebra Display: The zebra pattern can be displayed in white-out areas of the viewfinder image.
- Y-GET: Measures brightness at center and displays numerical data.
- Lens Files: Stores settings for interchangeable lenses.
- · Setup Files: It makes color setting easier for multiple cameras.
- Mode Check: Displays a list of the camera settings on VF and LCD.
- Rec Check: This lets you run a quick playback check of the clip-end.

• User Buttons: Functions can be freely allocated to the five User buttons.

HEVC Codec for High-Image-Quality 4K Recording at Low Bit Rates

The AJ-CX4000GJ is capable of recording in various formats at different compression rates (see the table below). Using the new, high-efficiency codec, HEVC (H.265, LongGOP, 10-bit, 4:2:0, MOV), the AJ-CX4000GJ records high-quality 4K



10-bit images at a 100-Mbps bit rate. Free software, such as the VLC Media Player or QuickTime Player, provides smooth playback on a notebook PC or MacBook.*

* Playback may lack smoothness depending on the PC environment, such as storage and memory devices.

MOV/P2 MXF File Formats Supported

The AJ-CX4000GJ records MOV files that are highly compatible and easy to use. This file format is the same as that used on Panasonic's AG-CX350 Memory Card Camera Recorder, and supports long file names with up to 20 characters, allowing recorded video clips to be easily managed. And it supports the MXF P2 file format for broadcasting, enabling AVC-Intra or AVC-LongG HD recording.

Equipped with expressP2 and microP2 Card Slots

The AJ-CX4000GJ is provided with an expressP2 card slot to accept highreliability broadcast-application storage media. This enables recording of large data as well as high-speed offloading. In addition, there are two microP2/SDXC memory card slots to achieve low running costs.

* For memory card usage conditions, see the "Recording Media" chart on page 7. Conventional P2 cards cannot be used.

A Host of Recording Functions

Using two microP2 cards, unlimited relay recording* is possible. Simultaneous recording enhance recording reliability. Also provided are pre-REC, internal REC and metadata recording functions.

Cseries 512GB

25

* If the Relay recording time reaches 10 hours, shooting will temporarily stop, and then automatically restart a few seconds later. If it is recorded in MOV format, the file will be split every 3 hours and recorded.

High-Quality 24-bit Four Channel Audio Recording

It supports 24-bit/48 kHz four channel digital audio recording.* The audio source for each channel can be selected for each channel, choosing from mic-in, line-in and wireless receiver.

 * The audio signal can be played back by using 24-bit digital audio equipment. For details, refer to the back page.

Recording Format

Recordin	ig For	mat	Pixels	Color Sampling	Bit Depth	Bit Rate	File Format	Audio	
MOV		4:2:2 All-Intra 400M	3840 × 2160	4:2:2	10 bit	400 Mbps (VBR)	29.97p, 25p, 23.98p		
		4:2:2 Long GOP 150M	3840 × 2160	4:2:2	10 bit	150 Mbps (VBR)	29.97p, 25p, 23.98p		
		HEVC Long GOP 200M	3840 × 2160	4:2:0	10 bit	200 Mbps (VBR)	59.94p, 50p	24 bit LPCM	
	4K	HEVC Long GOP 150M	3840 × 2160	4:2:0	10 bit	150 Mbps (VBR)	29.97p, 25p, 23.98p		
		HEVC Long GOP 100M	3840 × 2160	4:2:0	10 bit	100 Mbps (VBR)	59.94p, 50p		
		4:2:0 Long GOP 150M	3840 × 2160	4:2:0	8 bit	150 Mbps (VBR)	59.94p, 50p		
		4:2:0 Long GOP 100M	3840 × 2160	4:2:0	8 bit	100 Mbps (VBR)	29.97p, 25p, 23.98p		
		4:2:2 All-Intra 200M	1920 × 1080	4:2:2	10 bit	200 Mbps (VBR)	59.94p, 50p		
		4:2:2 All-Intra 100M	1920 × 1080	4:2:2	10 bit	100 Mbps (VBR)	29.97p, 25p, 23.98p, 59.94i, 50i		
	HD	4:2:2 Long GOP 100M	1920 × 1080	4:2:2	10 bit	100 Mbps (VBR)	59.94p, 50p		
		4:2:2 Long GOP 50M	1920 × 1080	4:2:2	10 bit	50 Mbps (VBR)	29.97p, 25p, 23.98p, 59.94i, 50i		
		AVC-Intra200 (OP-Atom)	1920 × 1080	4:2:2	10 bit	200 Mbps (59.94i)	59.94i, 50i		
			1280 × 720	4:2:2	10 bit	200 Mbps (59.94p)	59.94p, 50p	24 bit LPCM	
	HD	AVC-Intra100 (OP-Atom)	1920 × 1080	4:2:2	10 bit	100 Mbps (59.94i)*	59.94p, 50p, 59.94i, 50i	16 bit/24 bit LPCM 24 bit LPCM	
			1280 × 720	4:2:2	10 bit	100 Mbps (59.94p)	59.94p, 50p		
P2(MXF)		AVC-Intra50 (OP-Atom)	1440 × 1080	4:2:0	10 bit	50 Mbps (59.94i)	59.94i, 50i		
			960 × 720	4:2:0	10 bit	50 Mbps (59.94p)	59.94p, 50p		
		AVC-Intra422 (OP1b)	1920 × 1080	4:2:2	10 bit	200 Mbps (59.94p)	59.94p, 50p		
		AVC-LongG50 (OP1b)	1920 × 1080	4:2:2	10 bit	50 Mbps (59.94i) (VBR)	59.94i, 50i		
			1280 × 720	4:2:2	10 bit	50 Mbps (59.94p) (VBR)	59.94p, 50p		
			1920 × 1080	4:2:2	10 bit	25 Mbps (59.94i)* (VBR)	59.94p, 50p, 59.94i, 50i		
		AVC-LongG25 (OP1b)	1280 × 720	4:2:2	10 bit	25 Mbps (VBR)	59.94p, 50p		
			1920 × 1080	4:2:0	8 bit	12 Mbps (59.94i)* (VBR)	59.94p, 50p, 59.94i, 50i	16 bit LPCM	
		AVC-LongG12 (OP1b)	1280 × 720	4:2:0	8 bit	12 Mbps (VBR)	59.94p, 50p		

*The bit rate increases to two times when recorded in 59.94p or 50p.

YouTube

Connection Confirmed

Live Video Distribution

Services

Direct Live Streaming

be compatible.

HD streaming is possible while images are being acquired.*1 RTSP, RTMP and RTMPS streaming methods are compatible.*2

And Facebook, YouTube, and other streaming services are supported. Multicast streaming is also supported.

*1: There are some conditions under which streaming is not ossible, such as when recording in UHD format or using NDI/HX mode.

*2: The P2 Network Setting Software is convenient for setting up the RTMP and RTMPS functions. See the section, "Connection Confirmed Live Video Distribution Services," for the live video streaming services that have been confirmed to

Easy IP Connection: NDI|HX Is Enabled When an **Optional NDI**HX License Is Purchased from NewTek

A LAN terminal with a lock mechanism is provided. Cable LAN connection enables IP remote control.

The AJ-CX4000GJ is also equipped with NDI/HX mode. It allows video transmission and camera control via IP connection, without using an external converter. When connected to a system configured with the AV-HLC100 Live Production Center and HN/UN series PTZ integrated cameras, the AJ-CX4000GJ realizes end-to-end live video production of live events as well as web distribution.



• NDI|HX, a technology of NewTek, Inc.

* Recording, streaming and 4K output are not available when using NDI|HX mode. To use this function, an activation keycode from NewTek is required. Keycodes can be purchased from the following website: http://new.tk/ndi_panasonic

12G-SDI OUT Compatible with 4K 10-Bit 4:2:2 Output

The standard 12G-SDI output terminal delivers high-image-quality UHD 60p (50p) 10-bit 4:2:2 output. Also provided are XLR audio input (2 CH) terminals compatible with +48-V phantom power supply as well as HDMI OUT, TC IN/TC OUT, GENLOCK IN, USB3.0 (DEVICE) and USB2.0 (HOST, wireless module) terminals.

Wireless Control from a Tablet or Smartphone

The AJ-CX4000GJ can be controlled remotely and wirelessly using the tablet/smartphone app "CX ROP"*1 (downloadable for free from the App Store or Google Play). This app allows to display camera information and change camera settings. The settings are easy to see and can be changed by tap-and-slide operation. It is also equipped with a wealth of remote functions for output signal selection, USER button setting, REC S/S and many others. What's more, the app can be used to select the camera to control from up to eight cameras in the CX Series (AJ-CX4000GJ and AG-CX350).

The Apple App Store and iPad are service marks or trademarks of Apple Inc.
 registered in the United States and other countries.

*1: iPad: iOS 9 or later are supported. Android devices: Android 5.0 or later are supported. Wireless module (sold separately; AJ-WM50, AJ-WM50G or recommended third-party Wi-Fi dongle) is required.









NDI | HX Multi-Camera Live Production System





Live Video Streaming System

Specifications

Power:	DC: 12 V (11.0 V - 17.0 V)			
Power Consumption:	32 W (body only, 2160-59.94p/HEVC LongGOP 100M standard recording status, LCD ON) 72 W (with all the accessories connected and maximum power supplied from each output terminal)			
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:	Approx. 3.4 kg (7.5 lbs.) (body only)			
Dimensions	143 mm (W) × 267 mm (H) × 348 mm (D) (5-5/8 inches × 10-1/2 inches × 13-23/32 inches) (body only, excluding protrusion)			
Camera Unit				
Pickup Device:	MOS×1			
Number of Pixels:	11.14 million pixels			
Lens Mount:	2/3-type bayonet			
Optical Filter: Gain Setting:	CC filter: A: 3200 K, B: 4300 K, C: 5600 K, D: 6300 K ND filter: 1: CLEAR, 2: 1/4ND, 3: 1/16ND, 4: 1/64ND 6 dB to 30 dB, can be set in 1 dB steps			
Digital Super Gain:	Selectable from 6 dB, 10 dB, 12 dB, 15 dB, 20 dB, 24 dB,			
(DS.GAIN)	28 dB, 34 dB			
Super Gain (S.GAIN)	Selectable from 30 dB, 36 dB, 42 dB			
Shutter Speed: Synchro Scan Shutter:	[59.94 Hz] 1/100 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF [50.00 Hz] 1/60 sec., 1/120 sec., 1/250 sec., 1/500 sec., 1/1000 sec., 1/2000 sec., HALF			
Synchro Scan Shutter.	[59.94 Hz] 59.94/59.94p mode: 1/60.0 sec. to 1/7200 sec. 29.97p mode: 1/30.0 sec. to 1/7200 sec. 23.98p mode: 1/24.0 sec. to 1/7200 sec. [50.00 Hz] 50i/50p mode: 1/50.0 sec. to 1/7200 sec.			
Shutter Open Angle:	25p mode: 1/25.0 sec. to 1/7200 sec. 3.0 deg to 360.0 deg (can be set in 0.5 deg steps)			
Sensitivity:	[NORMAL] mode			
	F6 (2000 lx, 3200 K, 89.9% reflection, 59.94 Hz) F7 (2000 lx, 3200 K, 89.9% reflection, 50.00 Hz) [HIGH SENS.] mode F10 (2000 lx, 3200 K, 89.9% reflection, 59.94 Hz) F11 (2000 lx, 3200 K, 89.9% reflection, 50.00 Hz)			
Minimum Illumination:	Approx. 0.005 lx (F1.4, +42 dB (S.GAIN), +34 dB (DS.GAIN)			
Image S/N:	62 dB (standard)			
Horizontal Resolution:	UHD: 2000 TV or higher (center) HD: 1000 TV or higher (center)			
Digital Zoom:	x2, x3, x4			
Memory Card Recording Media:	expressP2 card			
neocrang weak.	SDXC memory card: UHS-I/UHS-II, UHS Speed Class 3 compatible, Video Speed Class V90 compatible			
	expressP2 card slot × 1 microP2/SDXC UHS-II memory card slot × 2			
Recording Slot:				
Recording Pixels:	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720)			
Recording Pixels: System Frequency:	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz			
Recording Pixels: System Frequency: Recording Format:	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table.			
Recording Pixels: System Frequency: Recording Format:	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94i, 50i (AVC-Intra50)			
Recording Pixels: System Frequency: Recording Format: Recording Video Signal:	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94i, 50i (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50)			
Recording Pixels: System Frequency: Recording Format: Recording Video Signal: Recording Time:	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94i, 50i (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) Please see page 7 for the "Recording Time" table.			
Recording Pixels: System Frequency: Recording Format: Recording Video Signal: Recording Time: Two-slot Function:	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94i, 50i (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50)			
Recording Pixels: System Frequency: Recording Format: Recording Video Signal: Recording Time: Two-slot Function: Special Recording:	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94i, 50i (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) Please see page 7 for the "Recording Time" table. Simultaneous recording, Relay recording			
Recording Pixels: System Frequency: Recording Format: Recording Video Signal: Recording Time: Two-slot Function: Special Recording: Digital Video	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94i, 50i (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) Please see page 7 for the "Recording Time" table. Simultaneous recording, Relay recording Pre-recording, Interval recording • P2: 4:2:2 10 bit/4:2:0 10 bit (AVC-Intra50)/			
Recording Pixels: System Frequency: Recording Format: Recording Video Signal: Recording Time: Two-slot Function: Special Recording: Digital Video	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94i, 50i (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) Please see page 7 for the "Recording Time" table. Simultaneous recording, Relay recording Pre-recording, Interval recording			
Recording Pixels: System Frequency: Recording Format: Recording Video Signal: Recording Time: Two-slot Function: Special Recording: Digital Video Number of Quantizing Bits:	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94i, 50i (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) Please see page 7 for the "Recording Time" table. Simultaneous recording, Relay recording Pre-recording, Interval recording • P2: 4:2:2 10 bit/4:2:0 10 bit (AVC-Intra50)/ 4:2:0 8 bit (AVC-LongG12) • MOV: 4:2:2 10 bit/4:2:0 8 bit/4:2:0 10 bit (HEVC) • P2: AVC-Intra 422/AVC-LongG50/AVC-LongG25/ AVC-LongG12: MPEG-4 AVC/H.264 High Profile • P2: AVC-Intra200/AVC-Intra100/AVC-Intra50: MPEG-4 AVC/H.264 Intra Profile			
Recording Pixels: System Frequency: Recording Format: Recording Video Signal: Recording Time: Two-slot Function: Special Recording: Digital Video Number of Quantizing Bits:	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94i, 50i (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) Please see page 7 for the "Recording Time" table. Simultaneous recording, Relay recording Pre-recording, Interval recording Pre-recording, Interval recording • P2: 4:2:2 10 bit/4:2:0 10 bit (AVC-Intra50)/ 4:2:0 8 bit (AVC-LongG12) • MOV: 4:2:2 10 bit/4:2:0 8 bit/4:2:0 10 bit (HEVC) • P2: AVC-Intra 422/AVC-LongG50/AVC-LongG25/ AVC-LongG12: MPEG-4 AVC/H.264 High Profile • P2: AVC-Intra200/AVC-Intra100/AVC-Intra50:			
Recording Pixels: System Frequency: Recording Format: Recording Video Signal: Recording Time: Two-slot Function: Special Recording: Digital Video Number of Quantizing Bits: Video Compression:	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94p, 50p (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) Please see page 7 for the "Recording Time" table. Simultaneous recording, Relay recording Pre-recording, Interval recording • P2: 4:2:2 10 bit/4:2:0 10 bit (AVC-Intra50)/ 4:2:2 0 8 bit (AVC-LongG12) • MOV: 4:2:2 10 bit/4:2:0 10 bit (AVC-Intra50)/ 4:2:2 10 bit/4:2:0 10 bit/4:2:0 10 bit (HEVC) • P2: AVC-Intra 422/AVC-LongG50/AVC-LongG25/ AVC-LongG12: MPEG-4 AVC/H.264 High Profile • P2: AVC-Intra200/AVC-Intra100/AVC-Intra50: MPEG-4 AVC/H.264 Hitra Profile • MOV: H.264/MPEG-4 AVC High Profile,			
Recording Pixels: System Frequency: Recording Format: Recording Video Signal: Recording Time: Two-slot Function: Special Recording: Digital Video Number of Quantizing Bits: Video Compression: Digital Audio	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94i, 50i (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) 97 Please see page 7 for the "Recording Time" table. Simultaneous recording, Relay recording Pre-recording, Interval recording Pre-recording, Interval recording P2: 4:2:2 10 bit/4:2:0 10 bit (AVC-Intra50)/ 4:2:0 8 bit (AVC-LongG12) • MOV: 4:2:2 10 bit/4:2:0 4 bit/4:2:0 10 bit (HEVC) • P2: AVC-Intra200/AVC-Intra100/AVC-Intra50: MPEG-4 AVC/H.264 Intra Profile • MOV:			
Recording Slot: Recording Pixels: System Frequency: Recording Format: Recording Video Signal: Recording Time: Two-slot Function: Special Recording: Digital Video Number of Quantizing Bits: Video Compression: Digital Audio Recording Audio Signal: Audio Recording Format	microP2/SDXC UHS-II memory card slot × 2 3840 × 2160 (UHD), 1920 × 1080 (FHD), 1280 × 720 (HD) (AVC-Intra50: 1440 × 1080, 960 × 720) 59.94 Hz/50.00 Hz Please see page 4 for the "Recording Format" table. 3840 × 2160/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080/59.94p, 50p, 29.97p, 25p, 23.98p, 59.94i, 50i 1280 × 720/59.94p, 50p 1440 × 1080/59.94i, 50i (AVC-Intra50) 960 × 720/59.94p, 50p (AVC-Intra50) 97 Please see page 7 for the "Recording Time" table. Simultaneous recording, Relay recording Pre-recording, Interval recording Pre-recording, Interval recording • P2: 4:2:2 10 bit/4:2:0 10 bit (AVC-Intra50)/ 4:2:0 8 bit (AVC-LongG12) • MOV: 4:2:2 10 bit/4:2:0 10 bit (HEVC) • P2: AVC-Intra200/AVC-Intra100/AVC-Intra50: MPEG-4 AVC/H.264 Intra Profile • P2: AVC-Intra200/AVC-Intra100/AVC-Intra50: MPEG-4 AVC/H.264 Intra Profile • MOV: 48 kHz/24 bit			

Video Compression:	H.264/MPEG-4 AVC Main Profile				
Video Distrik	H.264/MPEG-4 AVC High Profile 1920 × 1080 (FHD), 1280 × 720 (HD), 640 × 360, 320 × 186 Unicast, Multicast				
Video Resolution:					
Streaming Method: Frame Rate:	[59.94 Hz]: 24 fps, 30 fps, 60 fps [50.00 Hz]: 25 fps, 50 fps				
Bit Rate:	24 Mbps, 20 Mbps, 16 Mbps, 14 Mbps, 8 Mbps, 6 Mbps, 4 Mbps, 3 Mbps, 2 Mbps, 1.5 Mbps, 1 Mbps, 0.7 Mbps, 0.5 Mbps				
Audio Compression:	AAC-LC: 48 kHz/16 bit, 2 CH				
Supported Protocol:	RTSP/RTP/RTMP/RTMPS				
Video Output					
SDI OUT1:	 BNC×1 12G-SDI: 0.8 V [p-p], 75 Ω 3G/HD-SDI: 0.8 V [p-p], 75 Ω SDI remote control supported Output format (4:2:2 10 bit) output) 3840 × 2160: 59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080: 59.94p, 50p, 59.94i, 50i, 29.97PsF, 25PsF, 23.98PsF 1280 × 720: 59.94p, 50p 				
SDI OUT2:	 BNC×1 3G/HD-SDI: 0.8 V [p-p], 75 Ω SD-SDI: 0.8 V [p-p], 75 Ω SDI remote control supported Output format (4:2:2 (10 bit) output) 1920 × 1080: 59.94p, 50p, 59.94i, 50i, 29.97PsF, 25PsF, 23.98PsF 1280 × 720: 59.94p, 50p 720 × 480: 59.94i 720 × 576: 50i 				
HDMI:	 HDMI type A×1 (not compatible with VIERA Link) HDMI remote control supported Output format (4:2:2 (10 bit) output) 3840 × 2160: 59.94p, 50p, 29.97p, 25p, 23.98p 1920 × 1080: 59.94p, 50p, 59.94i, 50i, 29.97p, 25p, 23.98 1280 × 720: 59.94p, 50p, 720 × 480: 59.94p 720 × 480: 59.94p 720 × 576: 50p 				
Audio Input/Out	720 × 576: 50p				
Audio Input/Out Audio In:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/–3 dBu selected by menu • MIC: -40 dBu/–50 dBu/–60 dBu selected by menu				
	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/–3 dBu selected by menu • MIC: -40 dBu/–50 dBu/–60 dBu selected by menu • MIC+48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu				
AUDIO IN:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC+48V: + 48 V/OFF compatible XLR×1, 5-pin				
AUDIO IN:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC+48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu 25-pin, D-SUB, -40 dBu, 2ch supported XLR×1, 5-pin 4 dBu/0 dBu/-3 dBu selected by menu,				
AUDIO IN: MIC IN: Wireless Slot:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/–3 dBu selected by menu • MIC: -40 dBu/–50 dBu/–60 dBu selected by menu • MIC+48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/–50 dBu/–60 dBu selected by menu 25-pin, D-SUB, -40 dBu, 2ch supported XLR×1, 5-pin				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC+48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu 25-pin, D-SUB, -40 dBu, 2ch supported XLR×1, 5-pin 4 dBu/0 dBu/-3 dBu selected by menu, equilibrium low impedance				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: SDI OUT:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: 48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu 25-pin, D-SUB, -40 dBu, 2ch supported XLR×1, 5-pin 4 dBu/0 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: SDI OUT: HDMI:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC+48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu 25-pin, D-SUB, -40 dBu, 2ch supported XLR×1, 5-pin 4 dBu/0 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2,				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: SDI OUT: HDMI: PHONES:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-3 dBu selected by menu -40 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: SDI OUT: HDMI: PHONES: Built-in Speaker:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-3 dBu selected by menu -40 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: SDI OUT: HDMI: PHONES: Built-in Speaker: Other Input/Outj	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-30 dBu selected by menu -40 dBu/-30 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: SDI OUT: HDMI: PHONES: Built-in Speaker: Other Input/Outj GENLOCK IN:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu 25-pin, D-SUB, -40 dBu, 2ch supported XLR×1, 5-pin 4 dBu/0 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1 put BNC×1, 1.0 V [p-p], 75 Ω BNC×1, Used as input/output terminal, switch by menu • Input: 0.5 V – 8.0 V [p-p], 10 kΩ				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: HDMI: PHONES: Built-in Speaker: Other Input/Out GENLOCK IN: TC IN/OUT: DC IN: DC OUT:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu 25-pin, D-SUB, -40 dBu, 2ch supported XLR×1, 5-pin 4 dBu/0 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1 put BNC×1, 1.0 V [p-p], 75 Ω BNC×1, Used as input/output terminal, switch by menu • Input: 0.5 V = 8.0 V [p-p], 10 kΩ • Output: 2.0 V ±0.5 V [p-p], low impedance XLR×1, 4-pin, DC 12 V (11.0 V – 17.0 V) 4-pin, DC 12 V (11.0 V – 17.0 V), maximum output current 1.5				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: HDMI: PHONES: Built-in Speaker: Other Input/Outj GENLOCK IN: TC IN/OUT: DC IN: DC OUT: LENS :	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu 25-pin, D-SUB, -40 dBu, 2ch supported XLR×1, 5-pin 4 dBu/0 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1 put BNC×1, 1.0 V [p-p], 75 Ω BNC×1, Used as input/output terminal, switch by menu • lnput: 0.5 V = 8.0 V [p-p], 10 kΩ • Output: 2.0 V ±0.5 V [p-p], low impedance XLR×1, 4-pin, DC 12 V (11.0 V – 17.0 V) 4-pin, DC 12 V (11.0 V – 17.0 V), maximum output current 1.5 12-pin				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: HDMI: PHONES: Built-in Speaker: Other Input/Outj GENLOCK IN: TC IN/OUT: DC IN: DC OUT: LENS : VF:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu 25-pin, D-SUB, -40 dBu, 2ch supported XLR×1, 5-pin 4 dBu/0 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1 put BNC×1, 1.0 V [p-p], 75 Ω BNC×1, Used as input/output terminal, switch by menu • Input: 0.5 V = 8.0 V [p-p], 10 kΩ • Output: 2.0 V ±0.5 V [p-p], 10 kΩ • Output: 2.0 V ±0.5 V [p-p], no minedance XLR×1, 4-pin, DC 12 V (11.0 V – 17.0 V) 4-pin, DC 12 V (11.0 V – 17.0 V), maximum output current 1.5 12-pin 20-pin				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: BUIDIO OUT: HDMI: PHONES: Built-in Speaker: Other Input/Outj GENLOCK IN: TC IN/OUT: DC IN: DC OUT: LENS : VF: LAN:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-51 dBu selected by menu -40 dBu/-50 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1 put BNC×1, 1.0 V [p-p], 75 Ω BNC×1, Used as input/output terminal, switch by menu • Input: 0.5 V - 8.0 V [p-p], lo th Ω • Output: 2.0 V ± 0.5 V [p-p], lo th Ω • Output: 2.0 V ± 0.5 V [p-p], no kig • Output: 2.0 V ± 0.5 V [p-p], no kig • Output: 0.5 V = 8.0 V [p-p], no kig • Output: 0.5 V = 0.0 V [p-p], no kig • Output: 0.5 V = 10.0 V (11.0 V – 17.0 V) 4-pin, DC 12 V (11.0 V – 17.0 V), maximum output current 1.5				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: HDMI: PHONES: Built-in Speaker: Other Input/Outj GENLOCK IN: TC IN/OUT: DC IN: DC OUT: LENS : VF:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1 put BNC×1, 1.0 V [p-p], 75 Ω BNC×1, Used as input/output terminal, switch by menu • Input: 0.5 V = 8.0 V [p-p], 10 kΩ • Output: 2.0 V ±0.5 V [p-p], low impedance XLR×1, 4-pin, DC 12 V (11.0 V – 17.0 V) 4-pin, DC 12 V (11.0 V – 17.0 V), maximum output current 1.5 12-pin 20-pin RJ-45 XLRnet connector:				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: SDI OUT: HDMI: PHONES: Built-in Speaker: Other Input/Outj GENLOCK IN: TC IN/OUT: DC IN: DC OUT: LENS : VF: LAN: USB2.0 HOST: USB DEVICE:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1 put BNC×1, 1.0 V [p-p], 75 Ω				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: HDMI: PHONES: Built-in Speaker: Other Input/Outj GENLOCK IN: TC IN/OUT: DC IN: DC OUT: LENS : VF: LAN: USB2.0 HOST:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu 25-pin, D-SUB, -40 dBu, 2ch supported XLR×1, 5-pin 4 dBu/0 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1 put BNC×1, 1.0 V [p-p], 75 Ω				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: SDI OUT: HDMI: PHONES: Built-in Speaker: Other Input/Outj GENLOCK IN: TC IN/OUT: DC IN: DC OUT: LENS : VF: LAN: USB2.0 HOST: USB DEVICE:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1 put BNC×1, 1.0 V [p-p], 75 Ω BNC×1, Used as input/output terminal, switch by menu • Input: 0.5 V = 8.0 V [p-p], 10 kΩ • Output: 2.0 V ±0.5 V [p-p], 10 kΩ • Output: 2.0 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: SDI OUT: HDMI: PHONES: Built-in Speaker: Other Input/Outj GENLOCK IN: TC IN/OUT: DC IN: DC OUT: LENS : VF: LAN: USB2.0 HOST: USB DEVICE: LIGHT:	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE/MIC/MIC+48V selected by switch • LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -40 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48V: + 48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1 put BNC×1, 1.0 V [p-p], 75 Ω BNC×1, Used as input/output terminal, switch by menu • Input: 0.5 V = 8.0 V [p-p], 10 kΩ • Output: 2.0 V ±0.5 V [p-p], 10 kΩ • Output: 2.0 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output: 2.10 V ±0.5 V [p-p], 10 kΩ • Output				
AUDIO IN: MIC IN: Wireless Slot: AUDIO OUT: BUIDO OUT: HDMI: PHONES: Built-in Speaker: Other Input/Outj GENLOCK IN: TC IN/OUT: DC IN: DC OUT: LENS : VF: LAN: USB2.0 HOST: USB DEVICE: LIGHT: Monitor/Viewfine	720 × 576: 50p put XLR×2 (CH1/3, CH2/4), 3-pin LINE: 4 dBu/0 dBu/-3 dBu selected by menu • MIC: -4 0 dBu/-50 dBu/-60 dBu selected by menu • MIC: +48 V/OFF compatible XLR×1, 5-pin +48 V ON/OFF selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-50 dBu/-60 dBu selected by menu -40 dBu/-3 dBu selected by menu, equilibrium low impedance LPCM 4 CH LPCM 2 CH 3.5 mm diameter stereo mini jack × 2, output impedance 100 Ω 20 mm diameter, round×1 put BNC×1, 1.0 V [p-p], 75 Ω BNC×1, Used as input/output terminal, switch by menu • Input: 0.5 V = 8.0 V [p-p], lo kΩ • Output: 2.0 V ±0.5 V [p-p], lo kΩ • Output: 2.0 V ±0.5 V [p-p], lo w * 20-pin RJ-45 XLRnet connector: 1000BASE-T/100BASE-TX/10BASE-T Type A connector, 4-pin (5 V, 0.5 A), for attaching the wireless module (optional) USB 3.1 GEN1 type C connector, with USB mass storage function, without USB bus-powered function 2-pin, DC12 V (DC 11.0 V – 17.0				

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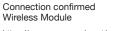
As of April 2020

Options



AJ-WM50 AJ-WM50G Wireless Module

*Not available in some areas



https://pro-av.panasonic.net/ en/sales_o/p2/server/ wireless_module.html



SHAN-TM700 Tripod Adaptor

AJ-MC900G

Stereo Microphone



AJ-P2M064BG Memory Card



AJ-CVF25GJ NEW 87.6 mm (3.45 inches) Color HD EVF

Open two ways for LCD

monitor viewing



SHAN-RC700 Rain Cover *Not available in some areas



AU-XP0512CG AU-XP0256CG

"microP2 card B series"

AU-XP0512CG

AU-XP0256CG

"expressP2 card C series"

Memory Card





*Conventional P2 cards may not be used.

S



AJ-CVF50G 38.1 mm (1.5 inches) HD EVF

Recording Media

Format	Bit Rate / Recording Function	SDXC Memory Card (Speed Class)	microP2 Card	expressP2 Card	
	400 Mbps	Video Speed Class V60 or faster	B Series microP2 card only	All expressP2 card types can be used in any recording mode supported by the AG-CX4000GJ	
	200 Mbps		B Series microP2 card and A Series microP2 card 64 GB		
	150 Mbps	Video Speed Class V30 UHS Speed Class 3 or faster			
MOV	100 Mbps				
	50 Mbps	Video Speed Class V10 UHS Speed Class 1 Speed Class 10 or faster	(32 GB cards cannot be used)		
P2 MXF*1	All recording modes ^{*1} supported by the AJ-CX4000GJ	 (For emergency recording) *2 	All microP2 card types can be used	-	

*1: Use an expressP2 card or a microP2 card for recording in P2 format. Conventional P2 cards may not be used. *2: Data can be recorded in the P2 format on SDXC memory cards, but it is not covered under the manufacturer's support.

Recording Time

Format			64 GB microP2 Card 64 GB SDXC Memory Card	128 GB SDXC Memory Card	256 GB expressP2 Card	512 GB expressP2 Card
MOV		400 Mbps Approx. 20 min.		Approx. 40 min.	Approx. 1 hour 20 min.	Approx. 2 hours 40 min.
	UHD	200 Mbps	Approx. 40 min.	Approx. 1 hour 20 min.	Approx. 2 hours 40 min.	Approx. 5 hours 20 min.
	UHD	150 Mbps Approx. 55 min.		Approx. 1 hour 50 min.	Approx. 3 hours 40 min.	Approx. 7 hours 20 min.
		100 Mbps Approx. 1 hour 20 min.		Approx. 2 hours 40 min.	Approx. 5 hours 20 min.	Approx. 10 hours 40 min.
	FHD	200 Mbps Approx. 40 min.		Approx. 1 hour 20 min.	Approx. 2 hours 40 min.	Approx. 5 hours 20 min.
		100 Mbps Approx. 1 hour 20 min.		Approx. 2 hours 40 min.	Approx. 5 hours 20 min.	Approx. 10 hours 40 min.
		50 Mbps	Approx. 2 hours 40 min.	Approx. 5 hours 20 min.	Approx. 10 hours 40 min.	Approx. 21 hours 20 min.
P2 MXF	AVC-Intra422 AVC-Intra200		Approx. 32 min.	_	Approx. 2 hours 8 min.	Approx. 4 hours 16 min.
	AVC-Intra100 (1080-59.94i/50i or 720-59.94p/50p)*		Approx. 1 hour 4 min.	-	Approx. 4 hours 16 min.	Approx. 8 hours 32 min.
	AVC-Intra50		Approx. 2 hours 8 min.	-	Approx. 8 hours 32 min.	Approx. 17 hours 4 min.
	AVC-LongG50		Approx. 2 hours 8 min.	-	Approx. 8 hours 32 min.	Approx. 17 hours 4 min.
	AVC-LongG25 (1080-59.94i/50i or 720-59.94p/50p)*		Approx. 4 hours 16 min.	_	Approx. 17 hours 4 min.	Approx. 34 hours 8 min.
	AVC-LongG12 (1080-59.94i/50i or 720-59.94p/50p)*		1080-59.94i/50i or Approx. 8 hours		Approx. 32 hours	Approx. 64 hours

*The recording time decreases to one-half when recorded in 1080-59.94p/50p.

Notes Regarding Network Functions

•For wireless LAN connection: The optional wireless module is required. For the OS, browser, device compatibility information, see "Service and Support" on the Panasonic website <a href="https:// pro-av.panasonic.net/>. Some functions are not supported by some devices. •For streaming: PC must be able to access directly each other by Public IP (Global IP). Please contact your provider to get Public IP (Global IP)

Precautions When Using SDXC Memory Cards

Use an SDXC memory card that conforms to the SDXC standard. Memory cards other than SDXC (such as multimedia cards) cannot be used. Be sure to use this unit for formatting.

Notes Regarding the Handling of P2 Files Using a PC Mounting and Transferring Files

The PC must be installed with the included P2 driver in order to recognize, copy and transfer P2 files. This driver is also necessary when using the PC card slot and when handling P2 files stored on a hard-disk device. For other operating requirements, refer to the P2 installation manual. The P2 driver and the P2 installation manual can be downloaded free from a Panasonic website. Visit <https://pro-av.panasonic.net/en/download/>

Preview and Nonlinear Editing

To preview (play) P2 files on a PC, it is necessary to install P2 Viewer Plus software (downloadable for free, for Windows and Mac), both from Panasonic, or P2-compatible editing software available from other companies (for details, visit https://pro-av.panasonic.net/en/sales_o/p2/partners.html). Note that each software places specific requirements on the operating environment, and the operating environment must meet additional requirements to play and edit HD content on Windows PCs and Macs. For P2 Viewer Plus download and operating requirement information, visit <https://pro-av.panasonic.net/en/download/>. For operating requirements and details of other P2 editing software, visit the website of the relevant software manufacturer

Note Regarding 24 bit Audio

Clips recorded using 24 bit audio must be played back with 24 bit compatible P2 equipment or the P2 Viewer/P2 Viewer Plus. If clips are played back with equipment not compatible with 24 bit audio, the clip number will be indicated in red and the clips will not be played back. A P2 Viewer not compatible with 24 bit audio will not reproduce the sound properly. To play back those clips, use the latest version of P2 Viewer/P2 Viewer Plus. For the latest information on 24 bit compatible P2 equipment and P2 Viewer/P2 Viewer Plus, see "Support & Download" on the Panasonic website <https://pro-av.panasonic.net/>

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*Specifications are subject to change without notice.



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



For more information, please visit Panasonic web site https://pro-av.panasonic.net/en/qr/



Broadcast and

Professional AV Website





Facebook



Contact Information

Mobile App