

# Panasonic

# P2HD

## AJ-PD500

Memory Card Recorder

Scheduled for release in autumn 2013

Preliminary



### AVC-ULTRA\*1 and microP2 Supported.

### A Half-Rack Size Recorder for a High-Quality, Low-Cost Workflow.

This half-rack size P2 recorder supports today's network-based workflow while interfacing with conventional broadcast systems. It's the first recorder offers microP2 card slots to help reduce media costs, together with ordinary P2 card slots. The AJ-PD500 maintains high-quality images and sounds, as well as low bit rate operation, with a variety of codecs – AVC-Intra100/50, AVC-LongG50/25 (appearing for the first time in this model), and AVC-Proxy\*2 as standard features. Optional functions also include support for both AVC-Intra200 codec recording, with images that approach uncompressed master quality, and AVCHD playback. Interfaces include 3G SDI input/output, HDMI output, AES/EBU digital audio input/output, Gbit Ethernet LAN, USB 3.0 (Host), assignable GPIO, and RS-422A remote. The 3U half-rack size unit operated by AC/DC power supply enable versatile use in a wide range of broadcast application, with excellent operability.

\*1: AVC-ULTRA is the name of Panasonic's professional video codec family. The AJ-PD500 does not support all of the formats included in the AVC-ULTRA family.

\*2: The use of DCF Technologies is under license from Multi-Format, Inc.

**AVC ULTRA** AVC INTRA AVC LongG P2 P2 micro P2 SXC HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

# New Codec, New Media, and New Network Option

## First Camera Recorder–Equipped AVC–ULTRA Codec and microP2 Card Slots

- Two microP2 card slots dramatically reduce media costs. Two conventional P2 card slots also accommodate ordinary P2 card.
- AVC–LongG50/25 and AVC–Intra100/50 codecs are provided as standard features. AVC–LongG50/25 codecs achieve 10 bit/4:2:2 image quality at a data rate of approximately 50/25 Mbps.
- Optional AVC–Intra200 codec.\*1 Records and plays images approaching uncompressed master quality and superb 24 bit/16 channel sound.
- Capable of recording and playing 1080/59.94p and 1080/50p progressive images (in AVC–Intra100 and AVC–LongG25 modes).

## Versatile Workflow Functions and a Half–Rack Size

- Standard–equipped AVC–Proxy codec, which provides the contents transfer over the internet with a low bit rate and suitable picture quality for breaking news.\*2
- AVCHD playback (optional)\*1 enables use of various footage in broadcast systems.
- Multi–control dial allows smooth JOG/SHTL/MENU operation.
- 3.45–inch LCD for displaying thumbnail images, ordinary images or waveform monitor, etc.
- 3U half–rack size, compact, light weight (approximately 3.5 kg (7.7 lbs)), design ideal for OB van use.

## Wide Variety of Standard Interfaces

- 3G SDI input/output and HDMI output.
- AES/EBU digital audio (4 channel) input/output.
- Gbit Ethernet LAN terminal.
- USB 3.0 (Host) terminal enables high–speed copying to external storage.
- USB2.0 (Device) terminal enables uploading the contents to a PC or Mac.
- GPIO (15 pin) terminal. Function assign–ability lends flexibility to user system designs.
- An RS–422A remote terminal (9 pin) enables external control.
- 100 — 240 VAC/12 VDC power supply.



AJ-PD500 Rear Panel

\*1: Scheduled for future compatibility.

\*2: Proxy data refers to file–based data of low bit rate motion images and audio together with management data, such as a time code and metadata.

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