

Panasonic

AG-DVC200
DV Camera/Recorder (PAL)



DV Digital
Video
Cassette

The Ultimate DV Camera/Recorder **Professional Quality, Professional** **Professional Flexibility**

The AG-DVC200 digital camera/recorder combines the extended recording time of the DV format with professional picture quality and a host of functions. Designed for a wide array of uses, the camera section of the AG-DVC200 features a 1/2-inch interchangeable bayonet mount lens. Its digital processing and three 480,000-pixel IT CCDs team up to deliver superior picture quality with 800 lines of horizontal resolution, high sensitivity and low smear. The VTR section accepts standard DV cassettes for up to 276 minutes of recording. Equipped with an IEEE1394 Output terminal (i-Link/ Firewire), the AG-DVC200 lets you upload picture and sound data to a PC, or digitally dub onto a DV recorder.

This superb digital performance and extended recording capability make the AG-DVC200 especially well suited for weddings, sports and other feature-length events.

DV 276 min. Recording Time

Using a standard DV cassette permits the AG-DVC200 to record for a full 276 minutes without changing cassettes. The AG-DVC200 also provides outstanding digital picture quality, plus superb digital audio with either 16-bit, 48-kHz sound or 12-bit, 32-kHz sound.

800 lines of Horizontal Resolution

Equipped with three broadcast-type 1/2-inch 480,000-pixel IT (Interline Transfer) CCDs, the AG-DVC200 provides outstanding picture quality, with 800 lines of horizontal resolution, a S/N ratio of 60 dB, and very low smear.

Accepts a Wide Range of Standard 1/2" Lenses

The industry-standard 1/2-inch bayonet mount readily accommodates the many lenses that are available on the market. For superior ease of use, the AG-DVC200 features automatic white shading correction, which adjusts the settings to match the lens.

0.5-Lux Minimum Illumination

The AG-DVC200's CCD with on-chip lens and +36 dB gain-up allows high-quality shooting in lighting all the way down to 0.5 lux. This allows capture of clear images even under dim lighting conditions.

High-Quality Digital Processing

Digital circuitry enables a host of creative image-processing functions, including Black Stretch/Press, Auto Knee, Gamma, Skin Detail, Coring and Colour Effect.



Order with Professional Functions,

Quick Start, Quick Focus and Full Auto

The AG-DVC200's easy shooting design helps to capture those shots that just won't wait for leisurely set-ups. For quick shooting, the AG-DVC200 enters REC standby only 3 seconds after the power is turned on, focuses fast by instantly releasing the iris with Quick Focus Support, and includes a Full Auto mode that automatically sets the gain, white balance, and iris.

Auto Tracking White Balance

White balance is automatically adjusted, in real time, to match your subject's lighting. Even difficult scenes like following someone as they walk from indoors to outdoors are easy to shoot, and result in highly natural lighting.

Shock-less Gain and Shock-less AWB Selector

You can choose either of three levels (high/mid/low) from among a wide range of freely allocated gain selector settings (0/+3/+6/+9/+12/+15/+18/+21/+24/+30 dB), and switch Auto White Balance between preset and user-set values (A/B). The shock-less function ensures seamless switching, preventing any sudden changes in the image. This lets you quickly adapt to ambient lighting changes while recording.

Six User Scene Memories

This memory function enables rapid setting, by letting you instantly store and retrieve the camera's parameter settings. The five most commonly used settings are factory stored for quick and easy use, and you can change up to six settings of your own.

Auto and Manual Audio Recording

The recording level can be set to either Auto or Manual for each of channels 1 and 2. The Auto setting adjusts the level automatically according to the input sound volume, and Manual lets you adjust the level as desired.

Light Weight, Low Power Consumption

In ready-to-shoot condition — with lens, 1.5" viewfinder, cassette and battery pack in place — the AG-DVC200 weighs only 5 kg. It offers low power consumption, too, using 20 W or less when recording.

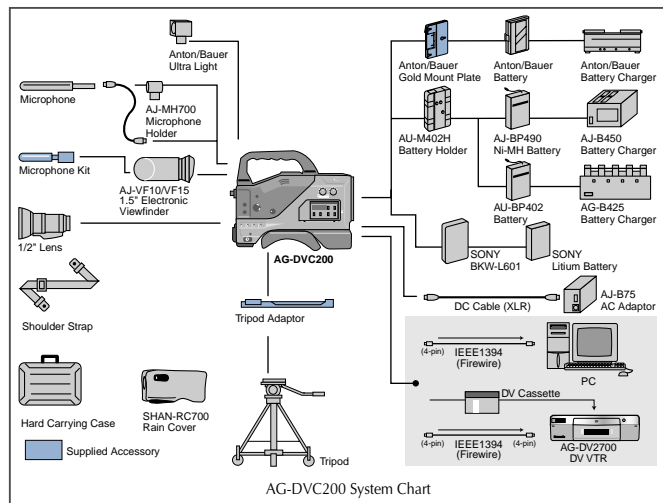
IEEE1394 terminal

The AG-DVC200 is equipped with an IEEE1394 digital output interface terminal (i.Link/Firewire, 4 pin), making it easy to upload image and audio to a Macintosh or Windows-based PC. You can also connect the AG-DVC200 to a DV recorder, such as the AG-DV2700 or other DV VTR, for dubbing with no loss in quality.



Additional Features

- Electronic shutter (1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000-sec) with synchroscan capability
- ND/CC filter (4-position)
- Anton/Bauer gold mount plate installed
- Built-in full field Colour Bar generator
- Colour playback capability
- 48V Phantom power
- Balanced XLR audio inputs



Supplied Accessories



- Tripod Adaptor
- Microphone Kit
 - Microphone
 - Microphone Holder
- Anton/Bauer Gold Mount Plate
- NP1 Battery Connector

Optional Accessories



AJ-VF10

- AJ-VF10** 1.5" EVF
- AJ-VF15** 1.5" High-Grade EVF
- AJ-MH700** Microphone Holder



YH18x6.7KP

- YH18x6.7KP** Canon Lens (x18)*
- YH14x7.3KRS** Canon Lens (x14)



S14x7.3BRM4

- S14x7.3BRM4** Fujinon Lens (x14)*
- S17x6.6BRM4** Fujinon Lens (x17)
- S19x6.5BRM4** Fujinon Lens (x19)
- S19x6.5BERM4** Fujinon Lens (x19 with Extender)
- AJ-B75** AC Adaptor
- AU-M402H** Battery Holder
- AJ-BP490** Ni-MH Battery
- AJ-B450** Battery Charger for AJ-BP490
- AU-BP402** Battery
- AG-B425** Battery Charger for AU-BP402

Anton/Bauer Battery System

- Digital Trimpac 14 Battery (45Wh)
- Trimpac 14 Battery (45Wh)
- Proformer Battery (30Wh)
- ABC-800H Battery Charger/AC Adaptor
- ABP-100 Proformer Battery plus Battery Charger/AC Adaptor

*Lens Package Model

- AG-DVC200D** AG-DVC200
with YH18x6.7KP Canon Lens
- AG-DVC200L** AG-DVC200
with S14x7.3BRM4 Fujinon Lens

Recommended DV Tape

Master Series Tape



AY-DV96MQ



AY-DV124MQ



AY-DV186MQ



AY-DV276MQ

Professional Series Tape



AY-DV96PQ



AY-DV124PQ



AY-DV186PQ

Specifications

GENERAL

Power Requirement:	DC12V (11 V to 17 V)
Power Consumption:	18 W (without VF)
Operating Temperature:	0 °C to 40 °C
Storage Temperature:	-20 °C to 60 °C
Operating Humidity:	10 to 80 %
Weight:	Approx. 5 kg (range) including lens, viewfinder, tape, and battery pack

CAMERA SECTION

Camera	
Pick-up Device:	Interline Transfer 1/2" CCD Image sensor (x3)
Picture Element:	480,000 pixels
Digital Quantization:	10 bits A/D
Digital Signal Processing:	14.1875 MHz
Sensitivity:	2000 lux with F11
Minimum Illumination:	0.5 lux (+36 dB gain, F1.4)
Shutter Speed:	1/60, 1/120 1/250, 1/500, 1/1000, 1/2000-sec.
Syncro Scan:	1/50.24 to 1/248.0-sec. (variable)
Optical Filter:	3200K, 5600K+1/8ND, 5600K,5600K+1/64ND
S/N Ratio:	60 dB (standard)
Horizontal Resolution:	800 lines (center)
Vertical Resolution:	450 lines/500 lines (Super-V)
Registration:	Less than 0.05% (all zones, without lens)
Gain:	0/+3/+6/+9/+12/+15/+18/+21/ +24/+30/+36 dB
Optical System:	f1.4 prism system
Lens Mount:	1/2" bayonet mount

VTR SECTION

General	
Format:	DV
Recording Track:	
Digital Video/Audio;	Helical Track
TC;	Helical Track (Sub-Code area)
Tape Speed:	18.812mm/sec. (SP mode)
Recording/Playback Time:	276 min. with AY-DV276MQ (SP mode)
FF/REW Time:	Around 3 min. using AY-DV276MQ

Video*

Sampling Frequency:	Y: 13.5 MHz
Quantization:	8 bits/sample
Error Correction:	Reed-Solomon Code
Bandwidth:	Y: 30 Hz to 5.75MHz +1.0/-3 dB

Audio*

Sampling Frequency/	48 KHz, 16 bits/sample
Quantization:	32 KHz, 12 bits/sample
Frequency Response:	20 Hz to 20 kHz (48 KHz sampling)

Signal Inputs

Mic In:	XLR balanced, -60/-50/-40 dBu selectable
Audio In :	XLR (CH1/CH2), balanced, MIC/LINE Switchable MIC: -60/-50/-40 dBu, selectable LINE: +4/0/-6 dBu selectable

Genlock:

BNC

Signal Outputs

DV Out:	IEEE1394, 4-pin x 1
Camera Out:	BNC x 1, 1.0 Vp-p 75Ω
Video Out:	BNC x 1, 1.0 Vp-p 75Ω
Audio Out:	RCA x 2
S-Video Out:	4 pin x 1
Earphone:	Stereo mini jack (x 1)

Others

LENS:	12-pin
EVF:	20pin x 1
DC In:	XLR x 1
DC Out:	4P x 1

*The specifications given above were measured by playing back tapes recorded by the AG-DVC200 on standard VTRs. Weight and dimensions shown are approximate. Specifications are subject to change without notice. These products may be subject to export regulations.

• i.Link is a trademark. • Macintosh and Firewire are registered trademarks of Apple Computer, Inc. • Windows is a registered trademark of Microsoft Corporation.

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