

# Panasonic

# AG-DVC200

DV Camera/Recorder (NTSC)



**DV** Digital  
Video  
Cassett

# **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 410,000-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 Input/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 410,000-pixel IT (Interline Transfer) CCDs, the AG-DVC200 provides outstanding picture quality, with 800 lines of horizontal resolution, a S/N ratio of 62 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 Color Effect.



# Recorder 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 11 lbs. It offers low power consumption, too, using 19 W or less when recording.

## IEEE1394 terminal

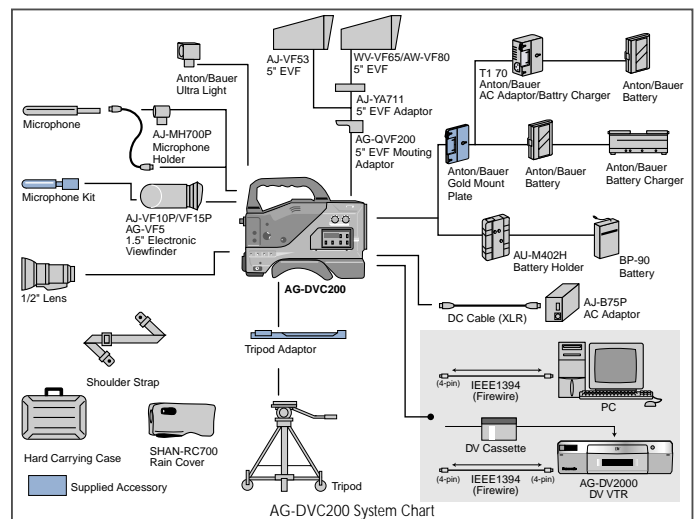
The AG-DVC200 is equipped with an IEEE1394 digital input/output interface terminal (i-Link/Firewire, 4 pin), making it easy to upload and download image and audio to a Macintosh or Windows-based PC.

You can also connect the AG-DVC200 to a DV recorder, such as the AG-DV1000/AG-DV2000, for dubbing with no loss in quality.



## Additional Features

- Electronic shutter (1/100, 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 SMPTE Color Bar generator
- Color playback capability
- 48V Phantom power
- Balanced XLR audio inputs



## Supplied Accessories



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

## Optional Accessories



AG-VF5

- AG-VF5 1.5" EVF
- AJ-VF10 1.5" EVF
- AJ-VF15 1.5" High-Grade EVF
- AJ-MH700 Microphone Holder



- YH19x6.7KRS Canon Lens (x19)
- YH16x6.7KRS Canon Lens (x16)
- S14x7.3BRM4 Fujinon Lens (x14)
- S20x6.4BRM4 Fujinon Lens (x20)

- AJ-VF53 5" EVF
- AW-VF80 5" EVF
- WV-VF65 5" EVF
- AJ-B75 AC Adaptor
- AU-M402H Battery Holder

### Anton/Bauer Battery System

- Digital Trimpac 14 Battery (45Wh)
- Trimpac 14 Battery (45Wh)
- Proformer Battery (30Wh)
- T1 70 Battery Charger/AC Adaptor
- ABC-800H Battery Charger/AC Adaptor
- ABP-100 Proformer Battery plus Battery Charger/AC Adaptor



T1 70

## 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:	17 W (without VF)
Operating Temperature:	0 °C to 40 °C (32 °F to 104 °F)
Storage Temperature:	-20 °C to 60 °C (4 °F to 140 °F)
Operating Humidity:	10 to 80 %
Weight:	Approx. 11 lbs. (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:	410,000 pixels
Digital Quantization:	10 bits A/D
Digital Signal Processing:	14.3 MHz/28.6 MHz
Sensitivity:	2000 lux with F11
Minimum Illumination:	0.5 lux (+36 dB gain, F1.4)
Shutter Speed:	1/100, 1/120, 1/250, 1/500, 1/1000, 1/2000-sec.
Syncro Scan:	1/60.3 to 1/250.0-sec. (variable)
Optical Filter:	3200K, 5600K+1/8ND, 5600K, 5600K+1/64ND
S/N Ratio:	62 dB (standard)
Horizontal Resolution:	800 lines (center)
Vertical Resolution:	400 lines/450 lines (Super-V)
Registration:	Less than 0.05% (all zones, without lens)
Gain:	0/+3/+6/+9/+12/+15/+18/+21/+24/+30/ dB
Optical System:	f1.4 prism system
Lens Mount:	1/2" bayonet mount
<b>VTR SECTION</b>	
<b>General</b>	
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, C (PB/PR): 3.375 MHz
Quantization:	8 bits/sample
Error Correction:	Reed-Solomon Code
Bandwidth:	Y: 30 Hz to 5.75MHz +1.0/-3 dB
<b>Audio*</b>	
Sampling Frequency:	48 KHz, 16 bits/sample
Quantization:	32 KHz, 12 bits/sample
Frequency Response:	20 Hz to 20 KHz (48 KHz sampling)
<b>Signal Inputs</b>	
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
<b>Signal Outputs</b>	
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)
<b>Others</b>	
IEEE1394	4-pin x 1
LENS:	12-pin
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.

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