

# Specifications

## GENERAL

Supply Voltage:	DC7.2V / 7.9V
Power Consumption:	11.6W (when viewfinder is used), 12.0W (when LCD monitor is used) MAX 14W
Operating Temperature:	0°C to +40°C
Operating Humidity:	10% to 85% (no condensation)
Weight:	Approx. 2.5kg excluding battery and accessories
Dimensions (WxHxD):	168.5 x 180 x 390 mm

## CAMERA

Pick-up Device:	3CCD (1/3-inch interline transfer type and progressive modes supported)
Lens:	LEICA DICOMAR lens with optical image stabilizer, motorized/manual mode switching, 13 x zoom, F1.6 to F 2.8 (f= 4.2mm to 55mm) (35mm equivalent: 30.3mm to 394mm)

Optical Colour Separation: Prism system

ND Filter: 1/8, 1/64

Gain Selection:	50i/50p mode: 0/+3/+6/+9/+12/+18 dB (when using slow shutter, 0 dB fixed) 25p/25pN mode: 0/+3/+6/+9/+12 dB (when using slow shutter or VFR rate of less than 25p: 0 dB fixed)
-----------------	--

Frame Rate:	variable 12/18/20/23/25/27/30/32/37/48/50 fps (frame/sec)
Shutter Speed:	50i/50p mode: 1/50 (OFF), 1/60, 1/120, 1/250, 1/500, 1/1000, 1/2000 sec. (Preset) 25p/25pN mode: 1/25, 1/50 (OFF), 1/60, 1/120, 1/250, 1/500, 1/1000 sec.
Shutter Speed:	50i, 50p mode: 1/50.0 sec. to 1/248.9 sec. (Synchro Scan) 25p, 25pN mode: 1/25.0 sec. to 1/248.9 sec.
Aperture Angle:	10° to 350° (Shutter Angle is selectable under Film Cam Mode.)
Slow Shutter Speed:	50i/50p mode: 1/25, 1/12 25p, 25pN mode: 1/12 sec.

Minimum Luminance:	3 lx (F1.6, +12 dB gain, at 1/25 shutter)
Lens Hood:	Large lens hood with wide view angle
Filter Diameter:	82mm

## Video P2 General (DVCPRO HD, 1080i/720p)

Sampling Frequency:	Y: 74.25 MHz, Pb/Pr: 37.125 MHz
Quantizing:	8 bits
Compression:	Compression ratio 1/6.7, DCT + variable length code
Recording Bit Rate:	100Mbps

## Audio P2 General (DVCPRO HD, 1080i/720p)

Sampling Frequency:	48 kHz / Quantizing 16 bits / 4ch
Frequency Characteristics:	20 Hz to 20kHz

## Memory Card

Recording Format:*1	DVCPRO HD 1080/50i, 1080/25p over 50i 720/50p, 720/25p over 50p, 720/25pN (Native Record) DVCPRO 50/DVCPRO/DV 576/50i, 576/25p over 50i
---------------------	---

Audio Recording Format:	PCM digital recording 48 kHz / 16 bits 4ch (DVCPRO HD/DVCPRO 50), 2ch/4ch selectable (DVCPRO/DV)
-------------------------	--

Recording Time**:	32 minutes with one AJ-P2C032RG (DVCPRO HD, 1080/50i) (Approx.) 64 minutes with one AJ-P2C032RG (DVCPRO HD, 720/25pN)
-------------------	---

## VTR part General

Recording Format:	Digital Video SD
Tape Format:	Mini DV cassette (6.35mm width metal evaporated tape)
Recording Video Signals:	576/50i (PAL Digital Video, Standard Definition), 576/25p mode (all convert to 576/50i and record)
Frame Rate:	50i, 25p
Recording Audio Signals:	PCM digital recording, 16 bits: 48kHz/2ch or 12 bits: 32kHz/4ch
Wow & Flutter:	Below measurable limits
Recording Tracks:	Digital video / audio signals: helical track Time code: helical track (sub-code area)
Tape Speed:	SP mode: 18.831mm/sec, LP mode: 12.568mm/sec
Recording Time:	SP mode: 63 min. (When using AY-DVM63MQ)
FF/Rew Time:	Approx. 140 sec. (when AY-DVM63MQ is used)

## VIDEO connectors

Video Out:	Analogue component, Y: 1.0Vp-p, 75Ω, Pb/Pr: 0.7Vp-p, 75Ω
Video In/Out:	Pin Jack x 1, Analogue composite, 1.0Vp-p, 75Ω (In/out automatically switched, Input DV tape mode only)
S-video In/Out:	4-pin, Y/C Y: 1.0Vp-p, 75Ω, C: 0.3Vp-p, 75Ω (In/out automatically switched, Input DV tape mode only)
Component Analogue Out:	D-Connector for HD Images

## AUDIO connectors

XLR In:	XLR (3 pin) x 2 (Input 1/ Input 2), Input: High impedance Line: 0dBu, MIC: -50/-60 dBu (selectable in menu)
Line In/Out:	Pin Jack x 2 (Input 1/ Input 2), (automatically switched), In: High impedance 316mV, Out: 600Ω, 316mV
Internal Microphone:	Stereo Microphone
Phones:	Stereo Mini jack (3.5mm diameter)
Internal Speaker:	28mm round shape x 1

## OTHER connectors

IEEE 1394:	4-pin Digital input/output, based on IEEE 1394 standard
USB:	Type mini B connector (USB ver.2.0)
Camera Remote:	Zoom, Rec (Start/Stop) Super Mini jack (2.5mm diameter) Focus Iris, Mini jack (3.5mm diameter)
DC Input:	2P x 1, 7.9V

## Monitor, AC Adapter, and Other packages

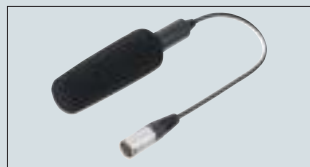
LCD Monitor:	3.5 inches, LCD colour Monitor, 210,000 pixels
Viewfinder:	0.44 inches, LCD colour Viewfinder, 235,000 pixels
AC Adapter:	Weight: 160g, Dimensions: 70 (W) x 44.5 (H) x 116 (D)mm
Supplied Accessories:	AC adapter/charger, AC Cord, DC Cord, Battery (5400mAh), Wireless remote controller (Button-type battery), Microphone holder, Eye cup, Shoulder strap, Ferrite core, Component Video cable, Pin-BNC conversion plug, P2 card software driver install (CD-ROM)

\*1: For the precise recording rate, multiply the indicated value by 1/1.001.

\*2: Time shown above is when you record a series of 1 shot to P2 card.

Depending on numbers of shots you record, time will get shorter than the number shown above.

# Optional Accessories



**AG-MC200G** XLR microphone

•Sensitivity: -40 ±3.5 dB (0 dB=1V/Pa, 1 KHz)  
•Maximum input level: 127 dB (1000Hz,  
Distortion within 1%) •S/N: More than 69 dB



**CGA-D54S** Battery Pack (5.4 Ah)



Century Conversion Lens

- .6X Wide Angle Adapter  
**OHD-06WA-HX2**
- .75X Wide Angle Converter  
**OHD-75CV-HVX**
- 1.6X Tele-Converter  
**OHD-16TC-HVX**
- Fisheye Adapter  
**OHD-FESU-HVX**

### Precautions for Use

- Mounting a wide conversion lens or fisheye adaptor may disable focusing at the telescopic setting (zoom position Z = approx. 80 or more).
- When the tele-converter is mounted, vignetting can occur at the wide setting (zoom position Z = approx. 65 or lower).
- When a conversion lens is mounted, the total weight can increase by as much as 1.5 times, which causes increased stress on the handle section. To prevent this, use a tripod and make sure that the handle section is not subjected to extra weight.



**AG-B25**  
AC adapter kit



**AJ-PCD20**  
P2 Memory Card drive



**AJ-PCS060G**  
P2 "Store" portable hard disk unit



**AG-HPG10**  
P2 "Gear" memory card portable recorder



**AJ-P2C016RG / AJ-P2C032RG**  
R-series memory card



**AY-DVM63PQ**  
Professional Series Tape



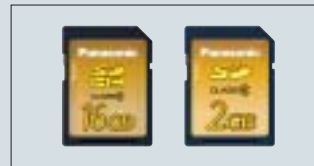
**AY-DVM63AMQ**  
Advanced Master Quality Series Tape

\*Please do not use 80 minutes miniDV cassette tapes

**AY-DVMCL**  
Cleaning tape



**FOCUS Enhancements, Inc.**  
**FireStore FS-100**  
Portable DTE Recorder



SD/SDHC memory card



**BT-LH2600W**  
26" HD/SD LCD monitor

**BT-LH1760**  
17" HD/SD LCD monitor

**BT-LH1700W**  
17" HD/SD LCD monitor

**BT-LH900A**  
8.4" HD/SD LCD monitor

**BT-LH80W**  
7.9" HD/SD LCD monitor

### P2HD UTILITY SOFTWARE

You can download the following P2 Utility Software at panasonic web site.  
<<https://www.pavc.panasonic.co.jp/pro-av/support/desk/e/download.htm>>

- Utility Software:
- P2 Store Manager
  - Drive Mount Converter
  - P2 Viewer
  - P2 Contents Management Software
  - P2 Card Format Station
  - CAC File for P2 Camera-Recorder