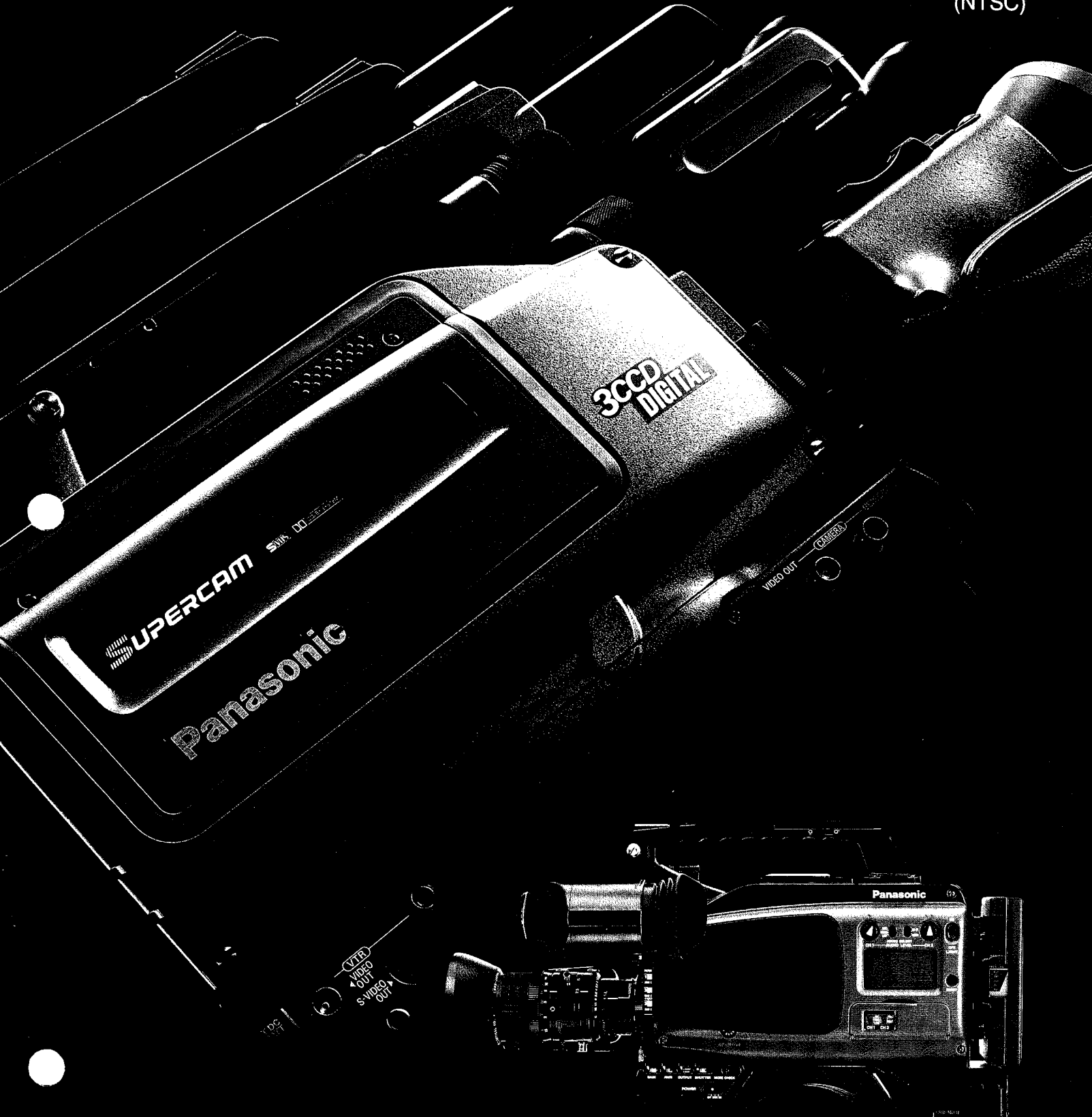


Panasonic®

AG-DP800H

S-VHS FIT 3-CCD Digital Signal
Processing Camera/Recorder
(NTSC)

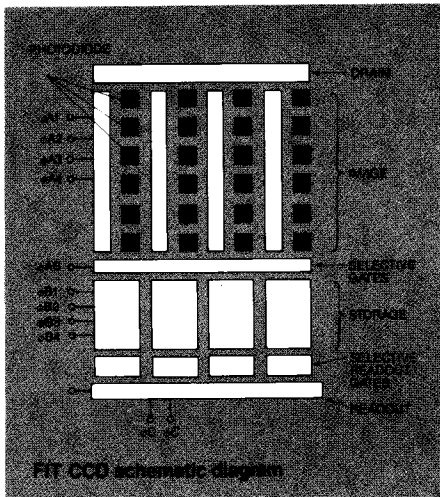


S-VHS

Wide Range of Leading-Edge Camera Technologies

High Sensitivity FIT CCD

Performance dramatically benefits from three high-density 380,000-pixel CCDs with half-pitch pixel offset and other innovative technology. Horizontal resolution reaches 750 lines and beyond. Video S/N exceeds 60 dB. Sensitivity is a remarkable F8 at 2000 lux. The result is extraordinary image quality for original acquisition. Frame Interline Transfer (FIT) minimizes vertical smear, helping to maintain impressive picture quality even in very bright illumination.



Advanced Digital Signal Processing

Using digital circuitry to process the video image brings valuable benefits: (1) Consistently reliable up-to-spec performance. (2) Fine adjustment of a wide range of parameters. (3) Memory storage and instant accurate recall of specific settings. (4) More flexible and higher quality image processing, as well as easier maintenance and all-round enhanced performance.

• Chroma Detail

This function compensates for poor resolution in the high chroma areas of the picture.

• Dark Detail

The dark detail circuit determines the optimum degree of contour enhancement in dark areas of the picture, to deliver crisp, clear, natural-looking images even under challenging lighting conditions.

• Highlight Compression

The digital control circuit expands the dynamic range of the highlighted areas and prevents halation. The highlight compression circuit allows a wide

dynamic range producing detailed images even against bright backlight or daylight.

- Flare Correction Circuit compensates for unsteady black caused by light or by a subject's movements.

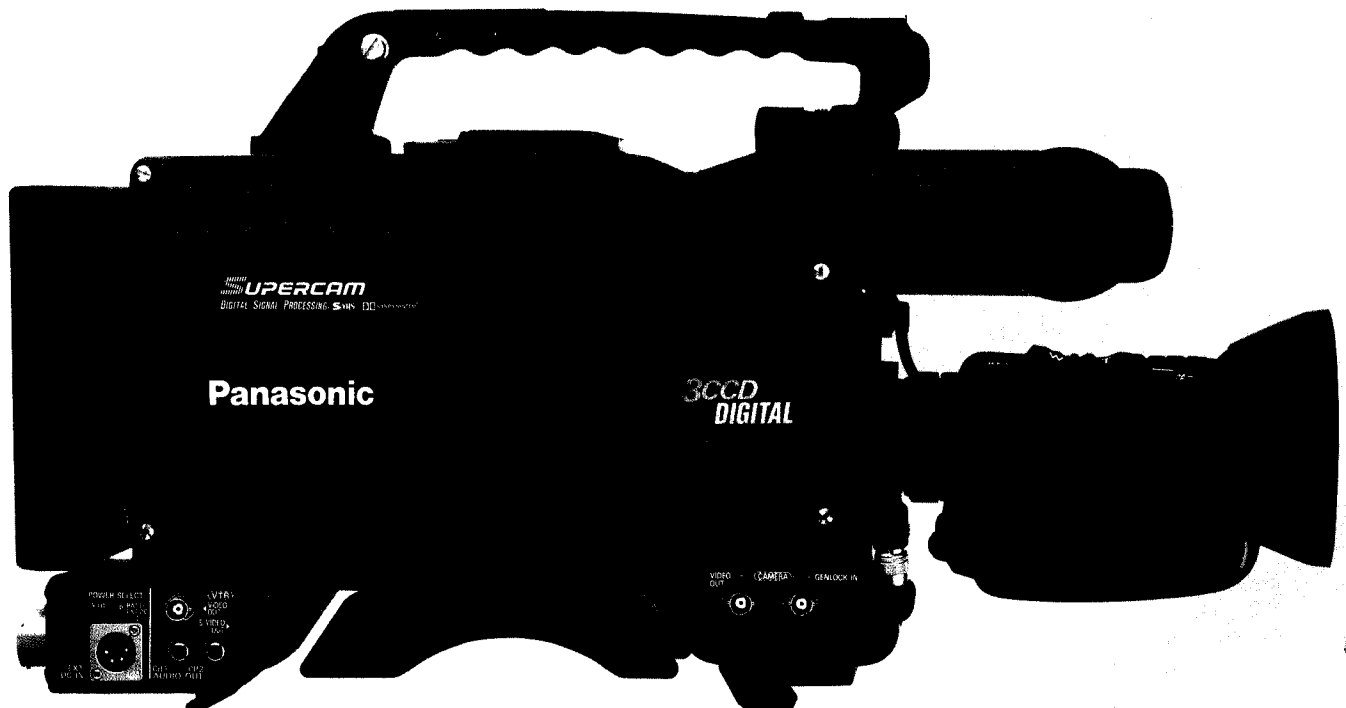
Convenient Scene File

To further enhance operational speed and flexibility, a total of six Scene File modes are available. There are two user modes for customized digital parameter settings including H.DTL, V.DTL, CHROMA DTL, DARK DTL, CORING, LEVEL DEP, COLOR CORRECTION, etc. Four preset modes are NORMAL, FLUORESCENT, SPECIAL* and SPARKLING.

* Similar settings with Panasonic's AQ series digital processing cameras

Camera AGC & Super High Gain Mode (1.5 Lux)

In addition to regular camera AGC (Automatic Gain Control), the AG-DP800H has a Super High Gain mode. At F1.4, this enables shooting under illumination as low as 1.5 lux while retaining detail and color balance.



Synchro Scan View

The AG-DP800H allows flicker-free shooting of a CRT with the vertical scan rate which is different from the camera's. Electronic shutter increments can be set variably from 1/61.95 sec. to 1/253.78 sec.

Quick, Precise Adjustment

• Auto Iris Control/Super Iris Mode

Besides center/normal zone switchable Auto Iris Control, there is a Super Iris mode for backlight compensation.

- Auto White Balance/Auto Black Balance
- 2-Way White Balance Memory

Lightweight/Low Power Consumption

Digital image processing circuitry contributes to light weight of only 9.9 lbs (4.5 kg)*. Power consumption is reduced to a mere 20 W (REC mode). ENG/EFM applications will benefit from this improved mobility.

* Camera/Recorder with EVF

Built-in Phantom Power Source

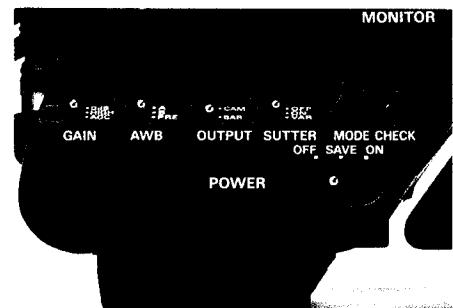
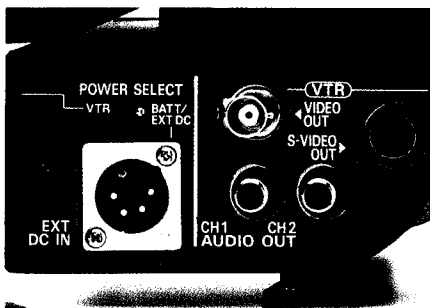
Phantom power can be supplied to an optional microphone. Power can be switched off to prevent battery drain when not in use.

Easy-to-See Large Diameter (50 mm) EVF

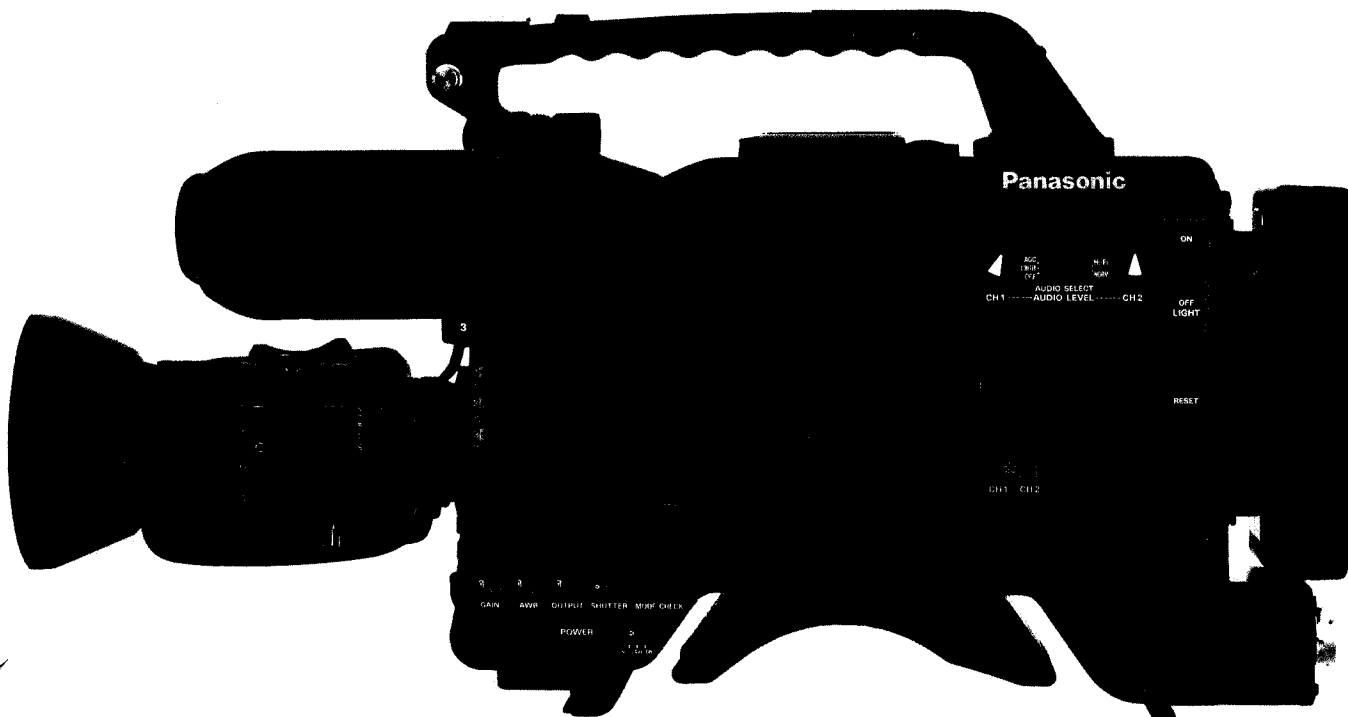
Camera operators will appreciate the 1.5" EVF with 550 line horizontal resolution. The viewfinder is removable to simplify shooting at difficult angles. The quick-start design reduces delay time before you get an image in the viewfinder after power is switched on.

Other Features

- Variable Electronic Shutter (1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000)
- CC/ND Filter (3200°K, 5600°K, 5600°K+1/8ND)
- Built-in Speaker
- Shoulder Strap



SUPERCAM



High Quality S-VHS Recording/Playback

Super-VHS

The S-VHS format offers outstanding video performance, with horizontal resolution of more than 400 lines and high S/N ratio. To take full advantage of the S-VHS, the AG-DP800H features special amorphous video heads having higher magnetic coercivity than conventional ferrite heads. Improvement in color reproduction is particularly noticeable. Expanded color signal frequency response from the amorphous heads enhances picture quality by minimizing color blurring.

4-Channel Audio

For optimum audio performance, the AG-DP800H features two Hi-Fi stereo audio channels with a dynamic range of 80 dB, as well as two linear audio channels with Dolby* NR. The result is truly lifelike ambience in ENG sound recording. Normal/Hi-Fi recording is selectable, and the levels of all four channels are controllable. Reliable XLR connectors are used as audio input jacks, to further ensure high quality sound.

* Dolby and the double-D symbol are registered trademarks of Dolby Laboratories Licensing Corporation.

Backup VCR Connector (26-pin)

The AG-DP800H features a 26-pin connector for direct signal output from the camera section, composite as well as component. This enables easy, convenient backup recordings using an additional VCR equipped with a 26-pin or 14-pin camera connector. Direct connection to the AU-55H MII Portable VCR or other composite/component VCR is also possible.

Built-in Time Code Generator (VITC/LTC)

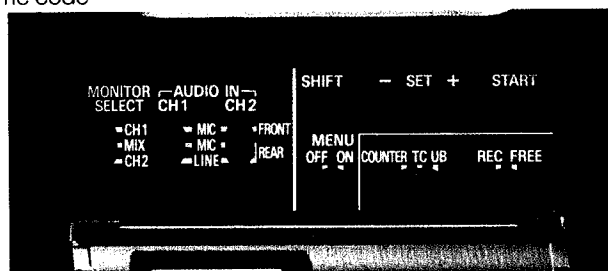
An internal time code generator lets you add SMPTE time code (LTC/VITC) to the recording. So the recorded tapes can be loaded into the AG-DS850 and AG-DS840 (or other editing VCRs compatible with VITC/LTC) for high-precision time code editing.

2 Hours of Recording/Playback

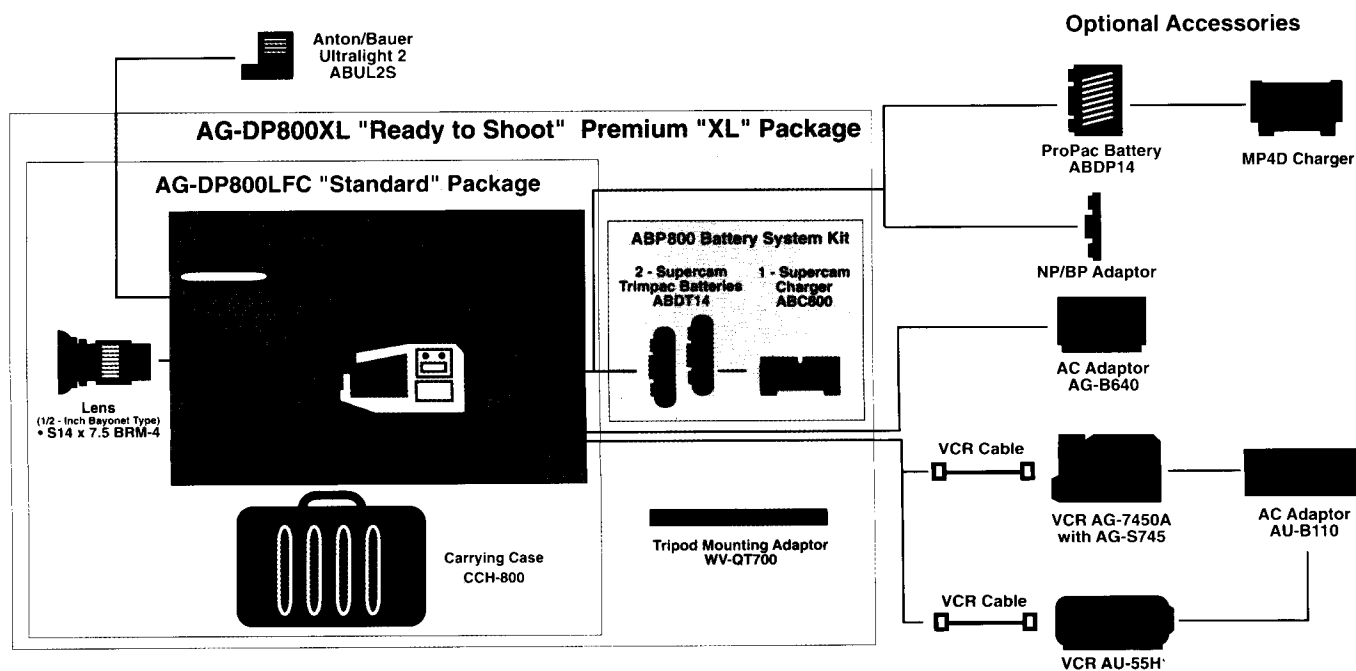
Standard S-VHS (or VHS) cassettes permit 2 hours of recording and playback for extra convenience in extended field recordings. Recorded tapes can go directly into S-VHS VCRs for high quality S-VHS editing.

Other Features

- **Rec Review Function** lets you check the last recorded section of the tape to ensure error-free operation.
- **Rotary Erase Head** allow clear, noise-free transitions between scenes.
- Warning Message Indicator
- Power Save Function



System Chart



* Shift switch to S-side on Jack PC Board.

A High Level of **S-VHS** Production with Breakthrough 3-CCD Digital Signal Processing Compact Camera/Recorder

Introducing the world's first FIT 3-CCD Digital Signal Processing Camera and S-VHS Recorder in one compact, integrated package. With the AG-DP800H you will enjoy a level of picture quality and operational convenience far surpassing that of conventional S-VHS camera/recorder. The AG-DP800H also features a Super High Gain mode which allows shooting with minimum illumination of 2 lux. Now, video production and broadcasting professionals can take further advantage of Panasonic's highly reliable and advanced digital signal processing camera technology.



SUPERCAM

Panasonic's professional S-VHS lineup delivers exceptional picture quality and high performance in models for everything from field recording to editing. The S-VHS format is ideal for use in video production systems, while multiple interfaces enable easy incorporation into broadcast and professional systems such as MII.

Supercam Special Package Configurations

We have three package configurations to provide the flexibility to easily address any of the extremely wide range of Supercam applications:

Basic Package

Model Number	Description
AG-DP800H	3-CCD (FIT) S-VHS, DSP CAMCORDER Includes: Camcorder - 1.5 EVF 1 - ABP800 "Gold Mount" Battery Bracket

Option Note: Battery System Kit is recommended for portable operation. See option note below.

Standard Package

Model Number	Description
AG-DP800LFC	CAMCORDER PACKAGE CONTAINS, 1- AG-DP800H 3 CCD S-VHS Camcorder 1- S14 x 7.5 BRM4 Fujinon 14:1 lens, 1- CCH800 Thermodyne Hardshell Carry Case 1 - ABP800 "Gold Mount" Battery Bracket

Option Note: We suggest the ABP800 Battery System Kit as a complement to your "Basic" AG-DP800H or AG-DP800LFC package purchase. This all new Anton/Bauer battery/charger system developed exclusively for the Panasonic Supercam automatically activates the "fuel gauge" feature of the Supercam EVF which displays remaining capacity data transmitted from the ABDT14 digital battery. The ABC800 charger has a two hour charge cycle, which permits near continuous Supercam operation, with only two batteries.

ABP 800 Battery System Kit

Includes two Supercam/Trimpac Digital batteries and a two-position Supercam InterActive quick charger. The extremely thin Supercam/Trimpac battery was designed to perfectly match the dimensions and balance of the Supercam while complementing the incredible recording capability of the S-VHS cassette with up to two hours of continuous power.

ABDT14 Supercam Trimpac Digital Battery -

High voltage-high capacity with LCD "Fuel Gauge" (14.4V - 40 watt hours) Run time: up to 2 hours with or without tape running
Size: 6³/₈" x 4³/₄" x 1⁵/₈"
Wt.: 2³/₄ lbs.

ABC800 Supercam InterActive Charger (2 Positions) -

Charges two Supercam/Trimpacs in approximately 2 hours each. Includes patented LIFESAVER feature that keeps batteries 100% charged indefinitely without "memory" or accelerated aging.
Size: 8³/₄" x 4³/₄" x 2⁷/₈"
Wt.: 3³/₄ lbs.

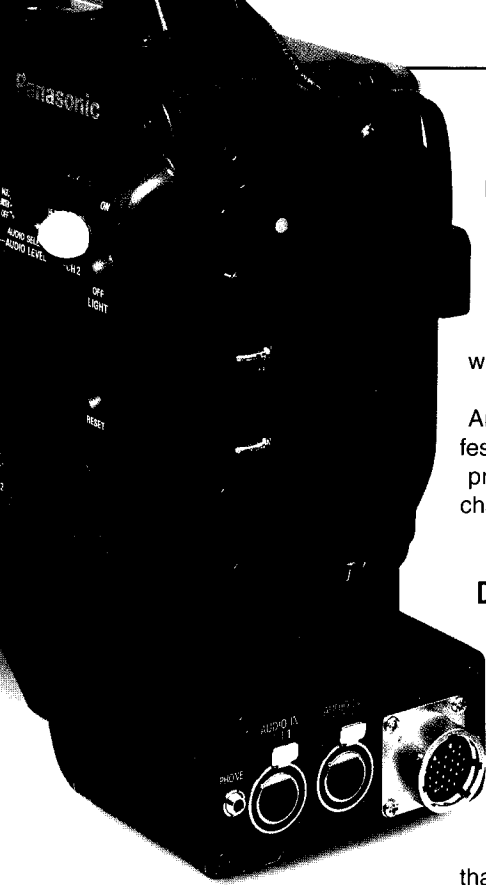


The Professional System
Premium "XL" Package
(Including ABP800 Battery System Kit)

Complete "Ready to Shoot" Premium "XL" Package

Model Number	Description
AG-DP800XL	CAMCORDER PACKAGE CONTAINS, 1- AG-DP800H 3 CCD S-VHS Camcorder 1- S14 x 7.5 BRM4 Fujinon 14:1 lens, 1- CCH800 Thermodyne Hardshell Carry Case 1 - ABP800 "Gold Mount" Battery Bracket, 1 - WV-QT700 Tripod Plate, 1 - ABP800 Anton/Bauer Battery/Charger Kit

Our premium "XL" package **adds** the WV-QT700 Tripod Plate and the all new Anton/Bauer ABP800 Battery System. The ABP800 Battery System provides "InterActive Battery Fuel Gauge" for the AG-DP800H's EVF. The ABC800 charger has a two hour charge cycle, which permits near continuous Supercam operation, with only two batteries.



The Anton/Bauer Professional Battery System

Every way you look at it, the Panasonic Supercam AG-DP800 provides the video professional with the best - a Digital signal processing camera coupled to the popular S-VHS recording format assures the highest quality images and an incredible 2 hours of continuous recording. It takes much more than an ordinary battery to match the capabilities of this unique camcorder.

That is why the AG-DP800H Supercam features the Anton/Bauer Gold Mount battery system, the worldwide standard of major broadcasters and production professionals for more than a decade.

Anton/Bauer Logic Series batteries go the distance with the Supercam. With the Anton/Bauer professional battery system, the AG-DP800H Supercam is the first all-day non-stop camcorder, typically providing all morning and all afternoon operation without interruption for battery or cassette changes. In most cases the need to carry spare cassettes or batteries is eliminated.

Dependable Anton/Bauer InterActive™ Technology

All Anton/Bauer Logic Series batteries feature a sophisticated network of sensors and logic circuits which transmit vital battery information during the charging process. The Supercam Logic Series charger then creates a charge profile that will assure 100% charge acceptance for that specific battery under the actual prevailing conditions.

The Supercam/Trimpac Digital batteries include a microprocessor that features a unique "Fuel Computer" program which precisely measures energy coming into and going out from the battery. This information is processed through a complex program that accurately determines remaining battery capacity which is displayed in the battery's integral LCD "Fuel Gauge".

The accurate remaining capacity information from the Digital battery "Fuel Computer" is also transmitted over a special circuit to the AG-DP800H Supercam where it is displayed as a fuel gauge in the viewfinder. Lost shots and unexpected battery change disruptions are thus eliminated.

Anton/Bauer: Quality and Economy

One of the most important features of the Panasonic Supercam is value. Never have there been so many advanced technological features offered in such an economical package. The Anton/Bauer battery system adds to this value and economy. Anton/Bauer batteries typically have a total life expectancy double or triple that of conventional batteries and a single Anton/Bauer battery provides the run time of two to three small slide-in style batteries. Over a three year period, up to 10 conventional batteries would have to be purchased for every **one** Anton/Bauer battery. For value and economy, the Anton/Bauer battery system is truly the only choice for the AG-DP800H. The Anton/Bauer battery/charger kit is included in the Premium "XL" package, and is a highly recommended option with the basic and standard packages.



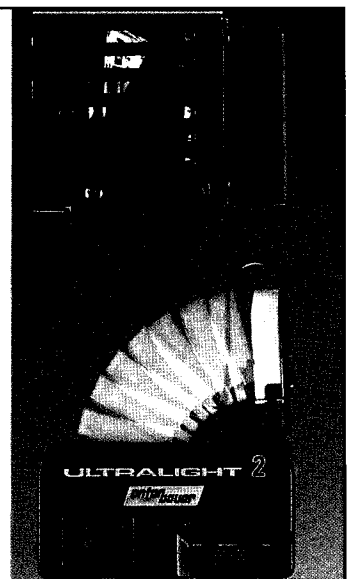
Professional Video with Available Light

The Supercam has outstanding low light sensitivity, but it takes more than excellent sensitivity to make quality looking video under available light. Available light almost always comes from above. This creates bright foreheads and noses with dark eye sockets, wrinkles and neck shadows which are unfortunately the unprofessional signature of available light.

The Supercam solves this dilemma with the optional Anton/Bauer Ultralight. The Ultralight is the first on-camera light designed to work with overhead available light to create studio quality images wherever and whenever you record.

The highly efficient Ultralight draws very little power and plugs directly into the Gold Mount on the Supercam. The Automatic feature can turn the Ultralight On/Off in synchrony with the record function so every shot looks studio quality without excess battery drain.

The repetitive mount/dismount and connect/disconnect routine associated with all other camera lights is a thing of the past with the Ultralight. The Ultralight literally becomes part of the Supercam handle. The patented quick-change head module provides instant bulb selection and allows the Ultralight to be folded flat, jack-knife style for transport or storage.



Optional Accessories



WM-L30:
WV-MC35:
Condenser Microphone

AG-MH800:
Microphone Holder

WV-QT700:
Tripod Mounting
Adaptor

S14x7.5BRM-4:
x14 Servo Control
Zoom Lens (1.1 kg)

YH13x7.5BKRS:
x13 Servo Control
Zoom Lens (1.0 kg)

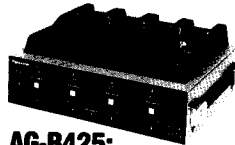
CA2626-6,
CA2626-15,
CA2614-6,
CA2614-15:
VCR Cable



AU-BP402:
Rechargeable
Battery Pack
(1.6 kg)



AU-M402:
Battery Holder for
AU-BP402 (0.4 kg)



AG-B425:
Battery Charger for
AU-BP402



AU-B110:
AC Adaptor



AG-B640:
AC Adaptor

WV-VF65B: 5" Viewfinder
WV-Q71: Viewfinder Bracket
AG-YA800: Interface Adaptor

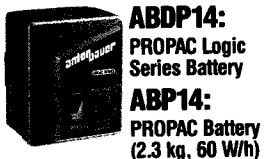
CCS800: Soft Carrying Case
CCH800: Hard Carrying Case

Anton/Bauer Battery System



ABDT14:
TRIMPAC Series Battery

ABT14:
TRIMPAC Battery
(1.2 kg, 40 W/h)



ABDP14:
PROPAC Logic
Series Battery

ABP14:
PROPAC Battery
(2.3 kg, 60 W/h)



ABC800:
Battery Charger
for ABDT14,
ABT14,
ABDP14
and ABP14



ABP800:
Battery Package
(ABT14 2 pcs. and
ABC800 1 pc.)

ABUL2S:
Video Light
(25 W)

Specifications

GENERAL

Power Source:	10.5 — 17 V DC, +5 V \pm 1 V
Power Consumption:	20 W with Viewfinder (REC mode)
Operating Temperature:	+32°F to +100°F (+0°C to +40°C)
Operating Humidity:	35% — 80%
Weight:	Approx. 9.9 lbs (4.5 kg) (Camera/Recorder and 1.5" Viewfinder)
Dimensions (W x H x D):	4 $\frac{3}{16}$ " x 11 $\frac{1}{8}$ " x 14 $\frac{1}{16}$ " (123 x 296 x 357 mm)

VCR SECTION

SYSTEM	
Recording System:	VHS/S-VHS format 4 rotary heads, helical scanning system S-VHS/VHS tape
Tape Format:	S-VHS/VHS tape
Tape Speed:	1.5/16 ips (33.35 mm/s)
Recording Time:	120 min. (2 hrs.) with NV-T120
FF/REW Time:	Less than 9 min. with NV-T120
VIDEO	
Horizontal Resolution:	S-VHS: More than 400 lines, VHS: 240 lines
Signal-to-Noise Ratio:	S-VHS: More than 47 dB, VHS: 46 dB
AUDIO	
Audio Frequency Response:	20 Hz — 20 kHz (Hi-Fi Audio), 50 Hz — 12 kHz (Normal)
Signal-to-Noise Ratio:	More than 48 dB (Dolby [®] NR On; Normal)
Dynamic Range:	More than 80 dB (Hi-Fi Audio)

VIDEO OUTPUT

S-Video Out (4P):	Y: 1.0 Vp-p, 75 ohms C: 0.286 Vp-p, 75 ohms 1.0 Vp-p, 75 ohms
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VIDEO INPUT

Video Out (BNC):	
AUDIO INPUT	
Audio In (XLR 3P x 2):	+40/-60/-40/-50/-60 dBs, 3 kohms, balanced

AUDIO OUTPUT

Audio Out (Phono x 2):	-8 dBv, low impedance, unbalanced
Headphone Jack (1/4" Phone):	-60 dBv — -20 dBv, 8 ohms, unbalanced

VCR CONNECTION

26P VCR Connector	
Video Out:	Composite: 1.0 Vp-p, 75 ohms Component: Y: 1.0 Vp-p, 75 ohms Pb, Pr: 0.7 Vp-p, 75 ohms
Audio Out:	20 dBv, low impedance, balanced
VCR Start/Stop Out:	Start: 5 V DC, Stop: 0 V DC
Tally In:	Rec: 5 V, Pause: 2.5 V
Power In:	DC 12 V

CAMERA SECTION

Image Sensor:	Three Frame Interline Transfer (FIT) 1/2-inch CCD image sensor
Pixel:	380,000 pixel
Pickup System:	Prism System (F1.4)
Smear:	More than 100 dB
Illumination Required:	2000 lux at F8.0
Minimum Illumination:	1.5 lux at F1.4 with Super High Gain (+30 dB)
Electronic Shutter:	1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000
Synchro Scan Shutter:	1/61.95 — 1/253.78
CC/ND:	3200°K, 5600°K, 5600°K + 1/8ND
Lens Mount:	Bayonet mount for 1/2-inch pickup device
Signal-to-Noise Ratio:	60 dB
Horizontal Resolution:	750 lines (at center)
Registration:	Less than 0.03% over entire screen (excluding lens)
Gain:	0, +9, +18, +24 dB and Super High Gain (+30 dB)
Camera Video Out (BNC):	1.0 Vp-p, 75 ohms, unbalanced
Camera Genlock In (BNC):	1.0 Vp-p, 75 ohms, unbalanced

VIEWFINDER SECTION

CRT:	1.5-inch high resolution monochrome CRT
Control:	Bright, Contrast, Peaking, Character On/Off, Tally On/Off, Zebra On/Off
Horizontal Resolution:	550 lines

Weight and dimensions shown are approximate. (0 dB=1 V)
Specifications subject to change without notice. (0 dBs=0.775 V)

This product may be subject to export control regulations.

Warning:

Unauthorized recording of copyrighted television programs, films, videotapes and other materials may infringe upon the rights of copyright owners and be contrary to copyright laws.

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