

GY-HM790

New Camera for Mobile and Studio use GY-HM790

Dear Sir or Madam,

With the introduction of the GY-HM700 series recording high-quality high-definition signals on inexpensive storage media became a reality for customers who were planning to move to a tapeless workflow. The GY-HM700 was aimed primarily at acquisition applications; therefore, it lacked functions like genlock and timecode in- and outputs. By concentrating on the essential hardware and software functionality for the primary application of this camcorder we were able to give our customers an affordable yet powerful stepping stone into the world of tapeless acquisition. But now is the time for the GY-HM family to grow, by combining the studio capabilities of the popular GY-HD251 with the tapeless recording system of the GY-HM700 we have created another outstanding product that not only combines the capabilities of previous ProHD cameras but offers additional functions and improvements that will extend the range of possible applications for this camcorder dramatically:



- Full studio capability with a set of attractive studio accessories
- Standard definition and high definition recording on inexpensive SDHC cards
- Direct file access for both SD & HD for the smoothest workflow with any NLE
- Genlock inputs and timecode I/O
- Fully integrated studio adapter interface with no external connections
- Extended pre-recording buffer of 20 seconds

The new GY-HM790 is a powerful building block for budget oriented customers who like to build a multi-format studio that can work in standard definition today and high definition tomorrow with just the flick of a switch.

With the integrated genlock and timecode inputs synchronizing two or more cameras is easy. Besides simplifying multi-camera shots in video productions the genlock and timecode synchronization can also be used for recording 3-D footage by using two fully synchronized GY-HM790 cameras.

Pre Sales Information

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The newly developed standard definition recording system on SDHC cards supports both 16:9 and 4:3 aspect ratios and uses the widely supported DV codec with a bit rate of 25 Mb/s. The camera supports MOV and AVI file wrappers which makes the recordings compatible with an extremely wide range of existing standard definition nonlinear editing systems from older versions of Apple's Final Cut Pro, Final Cut Express by using MOV, to Avid Xpress DV, Adobe Premiere, Canopus Edius and others by using AVI. This functionality gives users of older NLE systems the benefit of a direct file access (DFA) workflow immediately without the need to upgrade to a high-definition NLE system.



For pristine high-definition recording quality the GY-HM790 also offers all the recording modes previously found in the GY-HM700. This includes full HD 1920x1080 HQ recordings at 35 Mb and the popular 720p HQ recording capability with over- and under cranking. Frame rates of 50, 25 and 24 frames per second allow the user to choose the ideal setting for any project from sports acquisition to cinematography.

To complement the new GY-HM790 we have also designed a new mobile and compact studio adapter KA-M790 for multicore studio cables. This adapter can be attached to the camera directly, all signals and control data as well as power will be passed between the camera and the adapter by means of a 68 pin internal connector thus eliminating external wiring completely. This more rugged solution will benefit both users shooting with the camera on their shoulder as well as those using the newly designed studio adapter rig KA-790. This sleek and practical unit turns the GY-HM790 into a full featured studio camera when combined with the new VF-HP790 the studio viewfinder. Provisions for attaching Teleprompters as well as large lenses also exist to cater for the needs of more sophisticated studio productions.

The new studio viewfinder VF-HP790 has a newly developed fully digital signal interface which can be connected directly to the camera's viewfinder output. By eliminating the analogue signal path the VF-HP790 guarantees a crisp interference free image quality under all conditions. An additional HD-SDI input allows the user to connect a wide variety of external signal sources from return video to playback devices. The additional external XLR 12V power connector can be used to power the monitor independently from the camera in the field.

Product	Description	List price	Code	Availability
GY-HM790CHE	HD Camcorder Memory Card, Head	7800 €	V	July 2010
GY-HM790E	HD Camcorder Memory Card	8200 €	V	July 2010

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Accessories:

Product	Description	List price	Code	Availability
KA-M790G	Mobile Multicore Studio Adapter	1800 €	V	July 2010
KA-790G	Studio Adapter Rig	1600 €	V	July 2010
VF-HP790G	Digital Studio Viewfinder	3300 €	V	July 2010
RM-HP250DE	Camera Control Unit	3795 €	V	now
RM-LP25U	Camera Remote	3925 €	V	now
HK-VC10HDB-SDI	Hybrid HDSDI Cable 10m	995 €	V	now
HK-VC20HDB-SDI	Hybrid HDSDI Cable 20m	1250 €	V	now
HK-VC25HDB-SDI	Hybrid HDSDI Cable 25m	1395 €	V	now
HK-VC30HDB-SDI	Hybrid HDSDI Cable 30m	1445 €	V	now
HK-VC40HD-SDI	Hybrid HDSDI Cable 40m	1800 €	V	now
HK-VC50HD-SDI	Hybrid HDSDI Cable 50m	1995 €	V	now
HK-VC100HD-SDI	Hybrid HDSDI Cable 100m	3495 €	V	now
KA-MR100G	XDCAM Media Recorder SxS	1295 €	V	now
KM-H3000E	Digital Switcher HD/SD 12 inputs	12000 €	V	now
KM-H2500	Digital Switcher HD/SD 6 inputs	10000 €	V	now

With the introduction of the GY-HM790 we have expanded our ProHD camera line-up to include the powerful combination of tapeless acquisition and studio production. Combined with the space saving and economical new multiviewer functions available in the KM-H digital switcher series and our extensive line up of displays and monitors we provide attractive and affordable solutions in today's challenging economic environment.

With best regards

JVC Professional Europe Ltd.
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