GY-HM850/890

JVC

The most flexible ENG and Studio Solutions Camcorder

JPE
Gustav W. Emrich
European Product Manager
Creation & Presentation Products

USP HIGHLIGHTS

JVC KENWOOD Corporation

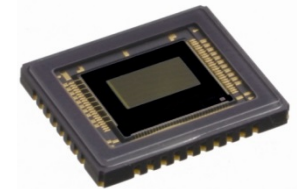# GY-HM850 ENG / GY-HM890 Studio Version

USP Highlights:

- NEW additional H264 XHQ 50 Mbps 1080p recording

- Multi format Camcorder

- 3 CMOS 1/3" 1920x1080 Chips set's 12 Bit processing

- High Sensitivity and min. illumination (0,15 Lux)

GY-HM850 ENG / GY-HM890 Studio Version

USP Highlights:

- Recording of different Formats & Resolution at same time!

- Robust and price oriented recording media: SDHC/SDXC cards

- New unique 20 Times OIS / Autofocus & exchangeable Lens with CAC (Color Aberration Compensation)

- IP technology for FTP File transmissions – Live streaming and Remote

- Live streaming from 256Kbps up to 8 Mbps

- FTP Transfer during recording include new remote transfer control

- Clip Cutter to focus and to record highlights on your shoots

- Remote operations with professional RCU features (built-in web server, so no need of dedicate apps)

- Meta data editor MS10 compatible

USP Highlights:

- **Lots of camera tools like:**

  - Expanded Zoom for EVF and LCD 1,5 times

  - Autofocus area and speed selections

  - WDR (white dynamic range) for critical shooting under bright spots lights

  - EVF and LCD Histogram indications

  - Free selectable User menu

  - 12 free selectable User buttons

  - Graphical Matrix selections

  - etc.

USP Highlights:

- **<u>Audio</u>**

    - 4 Channel Audio!

    - each channel selection possible:

        - Wind cuts

        - Gains and Limiters

        - Unique Graphical Equalizer per channel adjustable

        - 4 Channel audio outputs

        - 2 Channel with XLR and Phantom Power

        - 2 Channel with Stereo 3,5 Mini Jack in

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USP Highlights:

- **<u>Specials:</u>**

  - GPS Build in for Geo catching

    - Live positioning recording

  - USB Host, for IP connections like:

    - WIFI Dongles,

    - 4G/3G GSM Network dongles or

    - USB LAN Adapters

  - Gen lock input

  - TC in – out

  - Remote connections

  - Pre-REC 10 Sec

  - Over – Under cranking

GPS

LIVE HD Streaming

GY-HM850 ENG / GY-HM890 Studio Version

USP Highlights:

- **<u>GY-HM890 specials:</u>**

  - The GY-HM890 can be used as ENG and Studio camera as well

  - To use with Cable CCU or Fibre system
    * no IP network capabilities on standard CCU

  - Pool Feed HDSDI / SDI input (1,5GHz) up-to 1080i and recording

  - Pool Feed Live Streaming and recording

  - CAC support for dedicate optional Optics (Fujinon XT17/XT20 and HTS series)

LIVE
HD
Streaming

GY-HM850 ENG / GY-HM890 Studio Version

USP Highlights:

- ### GY-HM890 specials - System outlines

HD/SD Multicore Studio System

Photo courtesy of Ferro Productions, New York

Model	Description
GY-HM890	HD/SD Memory Card Camcorder
KA-M790G	Multicore Studio Interface Unit
KA-790G	Studio Sled Support
VF-HP790G	LCD Studio Viewfinder

Model	Description
Camera Cable	Multicore/BNC Hybrid Camera Cable
RM-HP790	Camera Remote Control Unit
RM-LP25U	Remote Control Unit
Switcher	Multi-format Digital Switcher

- ■ Fitted with the KA-M790G and the KA-790G, the GY-HM890 can be used to construct an economical HD or SD studio system for stunning images.
- ■ Both HD or SD component and SDI video are supported, giving user flexibility to use a component switcher or SDI switcher.
- ■ Lossless SDI output from GY-HM890 can be delivered to RM-HP790 via multicore/BNC hybrid cable
- ■ Reliable tripod-mounted studio operation with pedestal and teleprompter.

- ■ When replacing a GY-DV550 or GY-HD250 based studio system, the original 26-pin control cable can continue to be used.
- ■ When connecting KA-M790G to a RM-HP790 unit, users' existing 26-pin Sony cable can be used.
- ■ When needed, the GY-HM890 can be used as an ENG camera by releasing the camera from KA-790G.

USP Highlights:

• <u>**GY-HM890 specials - System outlines**</u>

HD/SD Fiber Studio System

Photo courtesy fo Loyola Studio, Maryland

Model	Description	Model	Desrciption
GY-HM890	HD/SD Memory Card Camcorder	RM-FP790	Telecast Fiber Base Station
KA-F790	Fiber Studio Interface Unit	RM-LP25U	Remote Control Unit
KA-790G	Studio Sled Support	Switcher	Multi-format Digital Switcher
VF-HP790G	LCD Studio Viewfinder		

VF-HP790G

GY-HM890/KA-F790

RM-LP25U

Headset (Optional)

Optical Fiber Cable

RM-FP790

Headset (Optional)

KA-790G

Switcher

■ Fitted with the KA-F790 and the KA-790G, the GY-HM890 can be converted into an economical HD or SD studio system.

■ Both HD or SD component and SDI video are supported, providing flexibility to use a component switcher or SDI switcher.

■ Optical fiber system allows longer cable distance operation with optional Power Wafer.

■ When needed, the GY-HM890 can be used for ENG by releasing the camera from the KA-790G studio sled support.

• **<u>System recommendations</u>**

• **Accessories recommendations**

(Fujinon) (Fujinon) (Canon) (Canon) HDWC6x72

HTs18x4.2BRM
HTs18x4.2BERM (2x extender)
1/3" high quality zoom lens

XT17sx4.5BRM
XT20sx4.7BRM
1/3" zoom lens

KT17ex4.3BIRSE
1/3" high quality zoom lens with 2x extender

KT20x5BKRS
KT14x4.4BKRS
1/3" high quality zoom lens

WHV-077 (Zunow)
WCX-06 (Zunow)
HDWC8x72 (16x9)
Wide conversion lens

ACM-12
1/2" bayonet mount converter

ACM-17
2/3" bayonet mount converter

HZ-ZS13BU
Manual zoom control
Cannot be used for HTs18x4.2BRM lens.
Use Fujinon ZMM-8: Module unit/
CZH-14: Grip/CPC-13-990: Cable/
MCA-7: Mounting clamp

HZ-FM13U (Fujinon)
HZ-FM15U (Canon)
Manual focus control
Cannot be used for KT17ex4.3BIRSE lens.
Use Canon FFM-100: Flex focus module/
FC-40: Flex cable/FFC-200: Flex focus controller

KA-M790G
Multicore studio interface unit

KA-790G
Studio sled support

RM-HP790
Camera control unit

VZ-Stealth (Varizoom)
ZC-3DV (Libec)
MVR901EPLA (Manfrotto)
Remote control unit

RM-LP25U
RM-LP55U
RM-LP20G (Venetex)
Remote control unit

VF-HP790G
8.4" LCD studio viewfinder

FS-CABTAC100 (100 feet)
FS-CABTAC200 (200 feet)
FS-CABTAC500 (500 feet)
FS-CABTAC1000 (1000 feet)
FS-CABTAC2000 (2000 feet)
Fiber cables (Tactical cable)

FS-790
Telecast fiber studio system

FS-CABHYB100 (100 feet)
FS-CABHYB200 (200 feet)
FS-CABHYB500 (500 feet)
FS-CABHYB700 (700 feet)
Fiber cables (Hybrid cable/Optical CON)

FS-CABHYB100S (100 feet)
FS-CABHYB200S (200 feet)
FS-CABHYB500S (500 feet)
FS-CABHYB700S (700 feet)
Fiber cables (Hybrid cable/SMPTE304M)

VC-DHP112MO (20 m)
VC-DHP113MO (50 m)
VC-DHP114MO (100 m)
Multicore hibrid cable

KA-551U
Tripod base V-mount adapter

JVC-PV IDX
V-mount plate

SR-HD1350
SR-HD1700
SR-HD2500
Blu-ray disc & HDD recorder

DT-V24G1Z/V21G11Z/
V17G15Z/V17G1Z/
V9L5U/F9L5U
LCD HD monitor

DT-R24L41DU
DT-E21L4U/E17L4GU/
E15L4U
LCD HD monitor

E-HL9/HL9S/7S
IDX battery

VL-2PLUS
IDX V-mount battery charger/AC adapter

Dionic HC
Anton Bauer battery

Tandem 70
Anton Bauer battery charger/AC adapter

IA-60a
IDX AC adapter

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GY-HM600/650

GY-HM850/890

GY-HM890

	GY-HM600	GY-HM650	GY-HM850	GY-HM890
USB Host - LTE	x	√	√	√
GPS	x	√	√	√
TC in/out	√	√	√	√
4-ch Audio	2 ch.	2 ch	√	√
Genlock	x	x	√	√
Studio Remote	x	x	√	√
Studio conn.	x	x	x	√
HD-SDI Pool feed	x	x	x	√
Studio config.	x	x	x	√