



FS-790

Optical Fibre Studio Solution for the JVC GY-HM790 Camcorder

Introducing Optical Fibre Studio Solution from JVC Professional

JVC is pleased to introduce a family of fibre optic communication system products designed and fully integrated with the GY-HM790 camera.

The fibre optic system provides your customers with all of the signals used in television broadcast production from digital video transmission to intercom interface. They are applicable in various applications, at competitive price points for corporate, medical education and broadcast studio and OB van applications. Main features include:

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- Long distance between Camera and Base Station (CCU) up to 10km with tactical Fibre cable and up to 500m with Hybrid cable
- Composite Video Return and additional Composite for Teleprompter
- Fully compatible with RM-LP25, RM-LP57 and RM-LP55 remotes
- HDSDI Return Video support with VF-HP790
- Multi voltage 110-230V AC operation for the Base Station
- Fully integrated with GY-HM790, no external cabling
- Intercom support for Clear Com and RTS Systems

The JVC ProHD fibre systems will be sold as complete Fibre System (FS-) packages including a camera adapter and base station. There are two types of fibre connection options offered, OpticalCON (powered or unpowered) and SMPTE 304M (powered). All systems are being offered exclusively to our ProHD dealer partners in the JPE sales regions and will not be available through other channels.

All systems may be specified for either RTS intercom or CC (Clear-Com) compatibility. Each package consists of the main package code FS-790 and a series of letters denoting the different options for connectors, powering, battery support and audio intercom variants. The packages have been grouped into three groups; group one supports tactical fibre and requires a local power solution at the camera side, group two uses hybrid cable with Neutrik connectors and can remotely power the camera, group three is similar to group two but uses SMPTE connectors.

N	Neutrik opticalCon Connector
S	SMPTE 304M Hybrid Connector
P	Powered
T	Tactical (unpowered)
A	Gold Mount - Anton Bauer
V	V-Mount - IDX
R	Supports RTS intercom
C	Supports Clear-Com intercom
G	Global - all units



Group one; Systems for Tactical Fibre using Neutrik Connectors

FS-790TNRG and FS-790TNCG

These are basic unpowered tactical fibre systems with Neutrik OpticalCON connectors. The FS-790TNxG systems require local power at the camera. Power may be supplied via a battery or power supply which is not included with these systems. Fibre optical cable and reels are not supplied (unless reel is specified with longer cable lengths) and should be considered by you for your customer's application by the appropriate length. The max specified length on tactical or infrastructure single mode fibre is 10km for these systems. All HD, video, Audio, and control signals are available over the length of the cable. The packages will consist of the following individual items:

1. FS-790TNRG

a.	KA-F790NG	Camera adapter with Neutrik Connector
b.	RM-FP790TNRG	Base Station No Power with Neutrik and RTS Intercom
c.	VC-P790RMG	Base Remote cable for RM-LP25/55/57
d.	AA-FP790G	External AC Power Adapter for Base station

2. FS-790TNCG

a.	KA-F790NG	Camera adapter with Neutrik Connector
b.	RM-FP790TNCG	Base Station No Power with Neutrik and ClearCom Intercom
c.	VC-P790RMG	Base Remote cable for RM-LP25/55/57
d.	AA-FP790G	External AC Power Adapter for Base station

The packages 1 and 2 will function with Anton Bauer Gold mount or with IDX V-Mount. When attaching the KA-F790 to the camera the V-Mount or Gold mount battery plate mounted on the camera has to be removed and mounted on the KA-F790 which has hole patterns and connectors for both systems.

Compatible Cables:

FS-CABTAC100	Tactical Fibre Cable 30m, OpticalCon
FS-CABTAC200	Tactical Fibre Cable 65m, OpticalCon
FS-CABTAC500	Tactical Fibre Cable 160m, on Reel, OpticalCon
FS-CABTAC1000	Tactical Fibre Cable 330m, on Reel, OpticalCon
FS-CABTAC2000	Tactical Fibre Cable 660m, on Reel, OpticalCon

Group two; Systems for Hybrid Fibre using Neutrik Connectors

FS-790PNARG, FS-790PNACG, FS790PNVRG, FS-790PNVCG

These are available as basic powered hybrid fibre systems with Neutrik OpticalCON connectors. Standard power is supplied via the optional hybrid cable. A camera head power wafer is also supplied for the camera side. The max specified length for these fibre systems is up to 500 meters on SMPTE Hybrid fibre. All HD, video, Audio, and control signals and up to 50 watts of continuous 12VDC Power is available over the length of the cable. The packages will consist of the following individual items:

3. FS-790PNARG

a.	KA-F790NG	Camera adapter with Neutrik Connector
b.	RM-FP790PNRG	Powered Base Station with Neutrik and RTS Intercom
c.	VC-P790RMG	Base Remote cable for RM-LP25/55/57
d.	KA-PW790AG	Camera side Power Wafer with Anton Bauer mount

4. FS-790PNACG

a.	KA-F790NG	Camera adapter with Neutrik Connector
b.	RM-FP790PNCG	Powered Base Station with Neutrik and ClearCom Intercom
c.	VC-P790RMG	Base Remote cable for RM-LP25/55/57
d.	KA-PW790AG	Camera side Power Wafer with Anton Bauer mount

5. FS-790PNVRG

a.	KA-F790NG	Camera adapter with Neutrik Connector
b.	RM-FP790PNRG	Powered Base Station with Neutrik and RTS Intercom
c.	VC-P790RMG	Base Remote cable for RM-LP25/55/57
d.	KA-PW790VG	Camera side Power Wafer with IDX V-Mount

6. FS-790PNVCG

a.	KA-F790NG	Camera adapter with Neutrik Connector
b.	RM-FP790PNCG	Powered Base Station with Neutrik and ClearCom Intercom
c.	VC-P790RMG	Base Remote cable for RM-LP25/55/57
d.	KA-PW790VG	Camera side Power Wafer with IDX V-Mount

The packages 3 and 4 are for cameras with Anton Bauer Gold mount. The packages 5 and 6 should be ordered for cameras with IDX V-Mount. When attaching the KA-F790 to the camera the V-Mount or Gold mount battery plate mounted on the camera has to be removed and mounted on the KA-F790 which has hole patterns and connectors for both systems.

Compatible Cables:

FS-CABHYB100	SMPTE 311 Fibre Cable 30m, OpticalCon
FS-CABHYB200	SMPTE 311 Fibre Cable 65m, OpticalCon
FS-CABHYB500	SMPTE 311 Fibre Cable 160m, OpticalCon
FS-CABHYB700	SMPTE 311 Fibre Cable 230m, OpticalCon
FS-S-Reel	Small Reel for 30m and 65m cables
FS-L-Reel	Large XL Reel for 160m and 230m cables

Group three; Systems for Hybrid Fibre using SMPTE Connectors

FS-790PSARG, FS-790PSACG, FS790PSVRG, FS-790PSVCG

These are offered as advanced hybrid fibre systems with SMPTE 304 connectors. Standard power is supplied via the optional hybrid cable. A camera head power wafer is also supplied for the camera side. The max specified length for these fibre systems is up to 500 meters on SMPTE Hybrid fibre. All HD, video, Audio, and control signals and up to 50 watts of continuous 12V DC Power is available over the length of the cable. The packages will consist of the following individual items:

7. FS-790PSARG

a.	KA-F790SG	Camera adapter with SMPTE connector
b.	RM-FP790PSRG	Powered Base Station with SMPTE and RTS Intercom
c.	VC-P790RMG	Base Remote cable for RM-LP25/55/57
d.	KA-PW790AG	Camera side Power Wafer with Anton Bauer mount

8. FS-790PSACG

a.	KA-F790SG	Camera adapter with SMPTE connector
b.	RM-FP790PSCG	Powered Base Station with SMPTE and ClearCom Intercom
c.	VC-P790RMG	Base Remote cable for RM-LP25/55/57
d.	KA-PW790AG	Camera side Power Wafer with Anton Bauer mount

9. FS-790PSVRG

a.	KA-F790SG	Camera adapter with SMPTE connector
b.	RM-FP790PSRG	Powered Base Station with SMPTE and RTS Intercom
c.	VC-P790RMG	Base Remote cable for RM-LP25/55/57
d.	KA-PW790VG	Camera side Power Wafer with IDX V-Mount

10. FS-790PSVCG

a.	KA-F790SG	Camera adapter with SMPTE connectort
b.	RM-FP790PSCG	Powered Base Station with SMPTE and ClearCom Intercom
c.	VC-P790RMG	Base Remote cable for RM-LP25/55/57
d.	KA-PW790VG	Camera side Power Wafer with IDX V-Mount

The packages 7 and 8 are for cameras with Anton Bauer Gold mount. The packages 9 and 10 should be ordered for cameras with IDX V-Mount. When attaching the KA-F790 to the camera the V-Mount or Gold mount battery plate mounted on the camera has to be removed and mounted on the KA-F790 which has hole patterns and connectors for both systems.

Compatible Cables and Reels:

FS-CABHYB100S	SMPTE 311 Fibre Cable 30m, SMPTE 304
FS-CABHYB200S	SMPTE 311 Fibre Cable 65m, SMPTE 304
FS-CABHYB500S	SMPTE 311 Fibre Cable 160m, SMPTE 304
FS-CABHYB700S	SMPTE 311 Fibre Cable 230m, SMPTE 304
FS-S-Reel	Small Reel for 30m and 65m cables
FS-L-Reel	FS-L-Reel