

High performance limiter with a compact body!!



**HYPER
LIMITER**

**VU/PK
switchable**

**Phantom
P48V**

**Oscillator
1kHz**

**RCA
OUT**

**Φ3.5
headphone
terminal**

**PEAK
Indicator**

The technology was adapted which was developed with the field mixer.



Front



Front



Top



Rear



Bottom

Hyper limiter

FS-205

**BP90
DC12VIN**

**XLR4P
DC12VIN**

**Hyper limiter
with AC power**

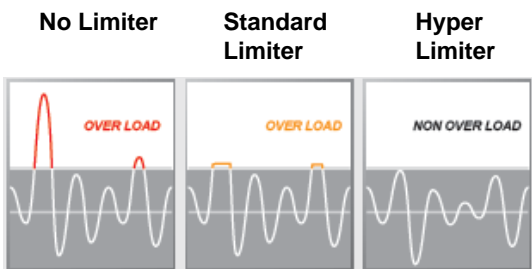
FS-206

**XLR4P
DC12VIN**

**AC
Power**

The performance limited to a hyper limiter

Hyper limiter built-in which was developed with the field mixer. It suppresses the excessive input of +30dB instantly and it prevents distortion of the sound. Also, even if it is suppressing the excessive input, the sound which doesn't exceed PEAK level is output just as it is and it makes more natural recording possible.



Wide input/output setting

In microphone input, it has the phantom power of +48V for microphone and input change is 3 steps, -60 / -20 / +4 dB. It is possible to do the recording with wide range of input. The balanced output (Canon 3-pin) can do the +4, -20 / -60 dB 3 step change, and RCA corresponds to the consumer type recorder by the fixation of -10dBV too.



Switching type meter of VU/PEAK

As for the meter to confirm a recording level correctly, it is possible to change of the PEAK meter which suited digital and the VU meter to confirm the average level of the whole source in L/R independently.

3 types by the power supply



FS-205B

FS-205B is a portable type and it can operate for equal to or more than about 10 hours when the eight alkaline double A (unit 3) batteries are used.



FS-205L

FS-205L is a long time operation type and V mount type lithium ion battery (Sony lithium ion battery, etc) can be attached directly.

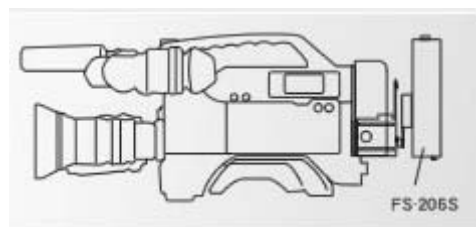


FS-205S

FS-205S has a set of the adaptor and cables for attachment to the wireless holder of the back side of Sony camcorder battery case. Other holder may be necessary for other type of camcorder.

Use in ENG/Field recording

FS-205S is attached to the back of the battery case of Sony camcorder, and it made a handling by 1 peace possible. It made the reduction of the sound recording mistake in one-man operation and more natural source recording possible. It prevents sound breakage in the shooting by the small camcorder which has the sound input terminal such as Sony Hi-Vision camcorder HDR-Z1JDVCAM, camcorder DSR-PD170 and so on, and it shows power as the support machine of the professional shooting.





Utilization at the dubbing and editing

The sound level difference which occurred in recording at editing and dubbing can be adjusted. Audio editing can be done more simply by keeping a constant level when a narration or BGM is inserted.

Narration recording



Dubbing



Use with a wireless microphone

It is possible to send an audio signal without sound breakage to a receiver by inserting a limiter before a transmitter.



Wireless receiver



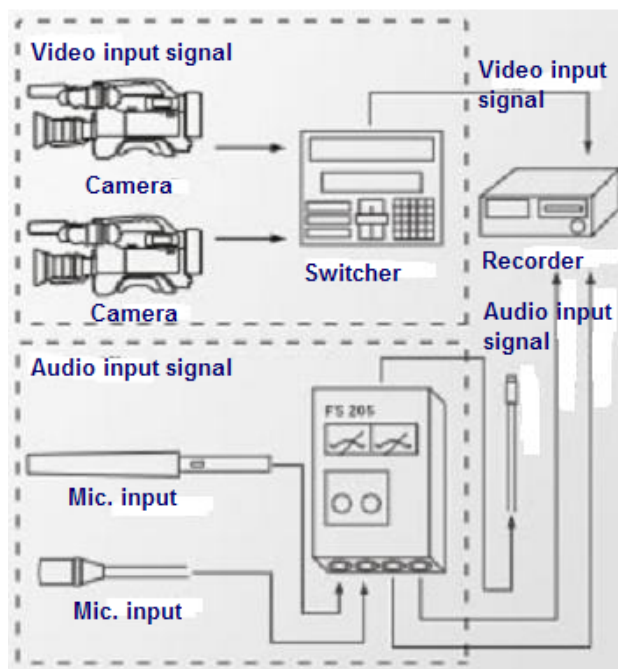
Wireless transmitter

Use with a wireless microphone

It is possible to use as 2ch mixer which had an input-side limiter function in using optional mixing adapter (MA-20/200).

Use with line / microphone combined

The input to the recorder is often line fixation and it is easy to occur sound distortion in sound recording on the field of 2 cameras, the 3 camera recording such as the drama and the lecture. FS-205/206 supports the line and microphone and can record the voice of each lecturer who has sound level difference on the average and suppress the distortion of the sound by the outbreak sound of the clapping and so on.



Double A (unit 3) battery case

BAT-205

Adapter for FS-205 with alkaline double A (unit 3) battery operation. It realizes equal to or more than about 10 hour operation with the eight alkaline double A (unit 3) batteries.



Lithium-ion battery adapter

PBU-L205

Adaptor for direct attachment of the battery of V-mount type such as Sony lithium-ion battery is possible. Long operation is possible, if using a large-capacity battery.



One-touch attachment to camcorder

SCA-205

Adaptor for FS-205 to attach to the back of Sony battery, Canon 3pin (XLR 3pin) male-female cable x2, Canon 4pin-mini 4pin DC cable x1.



Suitable for ENG use

BLT-205

Set of the shoulder belt and the hardware to hang FS-205 from the shoulder.



It realizes a simple mixing by FS-205/206

(20cm).

MA-20

It is possible to use as the input-side limiter function built-in 2ch mixer by using this mixing adapter.



It realizes a simple mixing by FS-205/206

(2m).

MA-200

It is possible to use as the input-side limiter function built-in 2ch mixer by using this mixing adapter.



Adaptor for FS-205 to use consumer camera (1.5m).

MC-100

It is the adapter which made it possible to connect the microphone* to the camcorder which doesn't have audio input terminal.

The microphone*: It has the directive output with Canon terminal or 1 rank-up microphone.



FS-205 Specifications

Input part	Audio	XLR 3pin (female) L/R x each1	
	Input level	Microphone: -60dBs variable continuously Line: -20dBm to +4dBm variable continuously	
	Impeadance	3kohm \pm 10%	
	DC	XLR 4pin (male) x1 BP-90 type connector x1	
Output part	Master audio output	XLR 3pin (male) L/R x each1	
	Sub audio output	RCA L/R x each1	
	Headphone monitor	3.5 ϕ stereo mini jack x1	
	Maximum output	L/R +20dBm	
	Audio output level	L OUT	+4,0,-20,-60dBm
		R OUT	+4,0,-20,-60dBm
		Electronic balanced output	which fits in with the 600 ohm load
Unbalanced output		RCA OUT (L/R) -10dBs MONI OUT -6dBs	
Unbalanced output	which fits in with the equal to or more than 8 ohm load		
General characteristic	Frequency characteristic	Line 50Hz - 15KHz \pm 1.0dB	
		MONI 50Hz - 15 \pm 3.0dB	
	S/N	Equal to or more than 53dB (at -60dBm input)	
		Equal to or more than 72dB (at +4dBm input)	
MONI equal to or more than 60dB (30kHz L, P, F use, input 600 ohm branch)			
Distortion percentage	Microphone and line: Equal to or less than 0.2 % MONI : Equal to or less than 2% (50Hz - 15KHz)		
Built-in circuit	Phantom power supply	P-48V(+48V) is equipped in each channel	
		Total 30mA of maximum supply current for 2ch	
	Oscillater	1kHz	
	Audio level meter	VU/Peak change type	
It is possible to change VU/Peak by each channel.			
Limiter	Each input-side independent 2 systems		
	Independent ON/OFF possible		
Power	External DC input	DC6V - 16V Max. 0.5A	
	Power consumption	approx. 0.2A	
General	Temperature Operation	From 0 degree C to 40 degree C	
	Storage	From -20 degree C to 50 degree C	
	Weight	approx. 560g	
	Dimension	104x147x36mm (WxHxD)	
Option	BAT-205	Unit 3 battery case (8 batteries)	
	PBU-L205	Adaptor for Sony lithium-ion battery	
	BLT-205	Set of shoulder belt and hardware	
	SCA-205	Set of adaptor to attach to Sony battery case and cables	

FS-206 Specifications

Input part	Audio	XLR 3pin (female) L/R x each1	
	Input level	Microphone: -60dBs variable continuously Line: -20dBm to +4dBm variable continuously	
	Impeadance	3kohm \pm 10%	
	DC	XLR 4pin (male) x1 BP-90 type connector x1	
Output part	Master audio output	XLR 3pin (male) L/R x each1	
	Sub audio output	RCA L/R x each1	
	Headphone monitor	3.5 ϕ stereo mini jack x1	
	Maximum output	L/R +20dBm	
	Audio output level	L OUT +4,0,-20,-60dBm	
		R OUT +4,0,-20,-60dBm	
		Electronic balanced output which fits in with the 600 ohm load	
		Unbalanced output	
RCA OUT (L/R) -10dBs			
	MONI OUT -6dBs		
	Unbalanced output which fits in with the equal to or more than 8 ohm load		
General characteristic	Frequency characteristic	Line 50Hz - 15KHz \pm 1.0dB MONI 50Hz - 15 \pm 3.0dB	
	S/N	Equal to or more than 53dB (at -60dBm input)	
		Equal to or more than 72dB (at +4dBm input)	
		MONI equal to or more than 60dB (30kHz L, P, F use, input 600 ohm branch)	
Distortion percentage	Microphone and line: Equal to or less than 0.2 % MONI : Equal to or less than 2% (50Hz - 15KHz)		
Built-in circuit	Phantom power supply	P-48V(+48V) is equipped in each channel	
		Total 30mA of maximum supply current for 2ch	
	Oscillater	1kHz	
	Audio level meter	VU/Peak change type	
		It is possible to change VU/Peak by each channel.	
Limiter	Each input-side independent 2 systems		
	Independent ON/OFF possible		
Power	AC input	AC100V - AC220V	
	External DC input	DC6V - 16V Max. 0.5A	
	Power consumption	approx. 0.2A	
General	Temparature Operation	From 0 degree C to 40 degree C	
	Storage	From -20 degree C to 50 degree C	
	Weight	approx. 1.1Kg	
	Dimension	102x161x90mm (WxHxD)	
Option	HS-RA70	VSE-500 FS-206 Rack-mount hardware	
	MA20	L/R mixing cable 20cm	
	MA200	L/R mixing cable 200cm	
	MC-100	Canon mini-jack cable for consumer type camera	
Accessory	AC cable		