Focus FS-H Series
Portable Proxy Recorders

RECORD, STORE, STREAM

TECHNICAL SPECIFICATIONS

3 Recorders	FS-H50 Composite Portable / Cam Mount	FS-H60 HDMI Portable / Cam Mount	FS-H70 SDI Portable / Cam Mount
FEATURES			
Portable, low power recorder	Yes	Yes	Yes
LCD and 4 buttons operations	Yes	Yes	Yes
On camera recording	Yes	Yes	Yes
H.264 Recording	Yes	Yes	Yes
Proxy recording	Yes	Yes	Yes
High Definition Recording		Yes	Yes
Timecode superimposed (OSD)			Yes
Timecode support (record)	Internal (Free Run / Rec Run / Clock)	Internal (Free Run / Rec Run / Clock)	SDI Embedded (RP188) & Internal
Start/Stop trigger from camera			Yes
Retro-cache recording	Yes	Yes	Yes
Instant video snapshot	Yes	Yes	Yes
Clips compatibilities with NLEs, Mac, PC, Tablets	Yes	Yes	Yes
Remote capabilities (with optional VITEC Wi-Fi or Ethernet LAN adaptor) ○ Live input Preview to iOS / Mac / PC ○ Recorder clip preview ○ Download of content ○ Remote control (record & snapshot) ○ Unit configuration and status	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes	Yes Yes Yes Yes Yes
Desktop application (PC/Mac) ○ Automatic Detection ○ Remote Control ○ Live Preview	Yes Yes Yes	Yes Yes Yes	Yes Yes Yes
HTTP API for integration within customer application	Yes	Yes	Yes
DC or Battery powered	Yes	Yes	Yes
Targeted source	Analog cameras, surveillance cameras	D-SLR, Consumer/Industrial cameras, Computer	HD/SD Broadcast camera & Professional cameras
Targeted application	Broadcast, Industrial, Surveillance	Medical, Education, Dailies, Event	Broadcast, breaking news, dailies, Press junkets
TECHNICAL SPECIFICATIONS			
Input Standard	SD	HD / SD	HD / SD
Video Inputs	Composite	HDMI w/Loop (DVI compatible)	SDI w/Loop
Audio Inputs	Analog Audio (RCA), 2-ch	Embedded (HDMI), 2-ch.	Embedded (SDI), 2-ch.
Media	SDHC Card	SDHC Card	SDHC Card
USB 2.0	Yes (for optional VITEC Wi-Fi or Ethernet LAN adaptor)	Yes (for optional VITEC Wi-Fi or Ethernet LAN adaptor)	Yes (for optional VITEC Wi-Fi or Ethernet LAN adaptor)
FILE FORMAT			
MOV	Yes	Yes	Yes
MP4	Yes	Yes	Yes
AVCHD	Yes	Yes	Yes

ORDERING INFORMATION			
FS-H Portable Recorder	12846	12845	12848
FS-H Portable Recorder with Wi-Fi connectivity option	14474	14663	14664
Additional Battery Pack	12286	12286	12286

DETAILED TECHNICAL SPECIFICATIONS

3 Recorders	FS-H50 Composite	FS-H60 HDMI	FS-H70 SDI
INPUT RESOLUTIONS			
1080p50/59.94/60		Yes	
1080i50/59.94		Yes	Yes
1080p30/29.97/25/24/23.976		Yes	Yes
720p50/59.94/60		Yes	Yes
PAL/NTSC	Yes	Yes	Yes
VIDEO RECORDING			
H.264 codec (MPEG-4 Part 10)	Yes	Yes	Yes
Selectable profiles (see tables below)	Yes	Yes	Yes
AUDIO RECORDING			
AAC-LC, 2-ch. (48kHz, 160kb/s) in MOV/MP4 modes	Yes	Yes	Yes
LPCM 2-ch (48kHz) in AVCHD mode	Yes	Yes	Yes
STREAMING (with VITEC Wi-Fi Adaptor)			
480x360 at 25/30fps input preview	Yes	Yes	Yes
HLS, RTSP Unicast or Multicast stream	Yes	Yes	Yes
MECHANICAL AND POWER			
Fanless	Yes	Yes	Yes
12V Power Adapter	Yes	Yes	Yes
Lithium-Ion Battery	Yes	Yes	Yes
Cradle for camera mount	Yes	Yes	Yes
Power consumption (without/with Wi-Fi adapter)	1,5W / 2,4W	2W/2,9W	3,4W / 4,3W
Autonomy (without/with Wi-Fi adapter)	9 Hrs. / 6 Hrs.	8 Hrs. / 5 Hrs.	5 Hrs. / 3 Hrs.
Dimensions (LxWxH)	135x84x34mm 5.3x3.3x1.3in	135x84x34mm 5.3x3.3x1.3in	135x84x34mm 5.3x3.3x1.3in
Weight (without battery)	155 grams (0.34lbs)	136 grams (0.29lbs)	210 grams (0,46lb)
FCC, CE compliance	Yes	Yes	Yes

MOV/MP4 RECORDING MODES
If HD video input

Type	Wrapper	Resolution Recorded	Scanning Mode	FPS	Bit Rate
PREMIUM	MOV / MP4	1920x1080	Progressive	29.97 / 25 / 23.98	8Mb/s
		If 720p input: 1280x720	Progressive	59.94 / 50	8Mb/s
HIGH	MOV / MP4	1280x720	Progressive	29.97 / 25 / 23.98	5Mb/s
MEDIUM	MOV / MP4	960x540	Progressive	29.97 / 25 / 23.98	3Mb/s
STANDARD	MOV / MP4	640x360	Progressive	29.97 / 25 / 23.98	1.5Mb/s
LIGHT	MOV / MP4	320x180	Progressive	29.97 / 25 / 23.98	500 Kb/s

If SD input

Type	Wrapper	Resolution Recorded	Scanning Mode	FPS	Bit Rate
STANDARD	MOV / MP4	640x480 / 720x540	Progressive	29.97 / 25	1.5Mb/s
LIGHT	MOV / MP4	320x240 / 384x288	Progressive	29.97 / 25	500 Kb/s

AVC HD RECORDING MODES

Inputs	Wrapper	Resolution Recorded	Scanning Mode	FPS	Bit Rate
1080i	M2TS	1920x1080	Interlaced	29.97 / 25	8Mb/s
720p	M2TS	1280x720	Progressive	59.94 / 50	8Mb/s
PAL/NTSC	M2TS	720x480	Interlaced	29.97	3Mb/s
		720x576		25	

FS-H50/60/70 are portable, camera-mount, H.264 standard and high definition recorders for workflows/applications requiring video quality and optimized video file size. They are incredibly light and provides several hours of continuous recording on a single charge. Ideal applications include sports events, breaking news, press junkets, meeting/training, surveillance and online video sharing.

Designed for broadcaster, video professionals or enthusiasts, Focus FS-H50/60/70 simplifies acquisition workflow by recording low bit-rate H.264 clips. Clips are recorded with industry standard wrappers such as Quicktime MOV, MP4 and AVC HD (TS) for simple and instant use in day-to-day workflows such as NLE/production and web sharing: clips can be easily edited or directly uploaded to video platforms for immediate sharing such as YouTube, Vimeo, Facebook and more.

Focus FS-H50/60/70 offer a range of resolutions up to 1080p30 and bit-rates up to 8 Mb/s. The three models, Focus FS-H50, Focus FS-H60, and Focus FS-H70 include composite and analog audio inputs, a HDMI input and a HD/SD-SDI input, respectively.

Additionally, with the optional VITEC Wi-Fi or Ethernet LAN adapter, users can preview live video input (iOS, Mac/PC), access/upload recorded clips, operate the controls, and change settings.

Proxy Workflow

FS-H70 records accurately the SDI embedded timecode allowing an efficient proxy workflow: Record the proxy clip in parallel with the high resolution camera recording, edit the low-bitrate proxy then auto conform using the timecode reference within the master clips. This the most effective path for editing your 2K, 4K, 8K rushes!

Extra Long Recording time

Recording Times onto a 32GB Card

Profile	Bit Rate	Duration
Light	500 kbps	130 hours
Standard	1.5 mbps	44 hours
Medium	3 mbps	22 hours
High	5 mbps	13 hours
Premium	8 mbps	8 hours

Highlights

- SDI, HDMI or Composite capture
- H.264 Recording up to 1080p
- Record in MOV, MP4, and AVC HD onto standard SDHC Card
- File compatibility with NLE's, computers, popular smartphones, and tablets
- Small, lightweight design and powered by removable battery
- Optional VITEC Wi-Fi or Ethernet LAN adapter to enable live monitoring (iOS compatible)
- Remote desktop application for PC/MAC (automatic detection, control and live preview)

CAPTURE IT ALL!

FS-H Sample Clips

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