

V-Station® HD
MODEL FEATURE & APPLICATION COMPARISON CHART
 June 2020

V-Station HD Multi-Channel DVR Systems support H.264 full HD 1080p 60fps video recording (1080p 30fps for Producer4 series). These systems provide up to 320 hours (4 x 80 or 8 x 40 or 16 x 20) of synchronized recording (depending on the model). Studio series models can be ordered with mini- HDMI, HDMI or 3G/HD/SD-SDI compatible inputs.

All models provide live camera switching for sending any single camera source to a program out monitor. V-Station HD **Studio** models can produce a “line-cut” video recording (additional video track of the switched program out) as it is recording all channels using AutoProducer®—V-Station HD’s exclusive built-in real-time editing feature. These models also have a built-in live multi-cam video streaming capability which can be used to send a live stream of the program out to YouTube Live, Facebook Live, or third-party content delivery networks (CDN). Further, these models provide multi-channel concurrent point-to-point streaming (up to 8 streams) via RTSP and RTMP. These models include a built-in File Uploader to send the line-cut after the shoot to a user’s FTP site or YouTube. While the basic **Producer4** does not record a line-cut, it will create an edit decision list (EDL) and send the switched output to a program monitor, or a third-party streaming device. The enhanced **Producer4S** model can record a line-cut (on 5th recording track) and includes both the File Uploader and the multi-cam live streaming capability.

For offline post-production, **Studio Companion Software** and **Studio PostTools** provide multi-cam playback and editing, logging, and video asset management, along with project collaboration. Pre-loaded **Studio Companion** can be activated for use on all **Studio** models with optional software license purchase.

	Studio16 DVR Systems	Studio8 DVR Systems	Studio4 DVR Systems	Producer4S Recording System	Producer4 Recording System	Studio Companion Software	Studio PostTools Software
Model / Description	FVS1602 (mini-HDMI) FVS1603 (SDI-SMA) FVS1605 (8 x SDI-SMA + 8 x Mini-HDMI) 3U rack-mount, dual 1TB SSD removable drives. Includes V-Station HD multi-channel recording/project management software and demo version of Studio Companion software.	FVS801 (HDMI) FVS802 (mini-HDMI) FVS803 (SDI-SMA) FVS804 (SDI-BNC) FVS805 (4 x HDMI + 4 x SDI-BNC) 2U rack-mount, dual 1TB SSD removable drives. Includes V-Station HD multi-channel recording/project management software and demo version of Studio Companion software.	FVS402 (HDMI) FVS403 (SDI-SMA) FVS404 (SDI-BNC) 2U Rack mount, dual 1TB SSD removable drives. Includes V-Station HD multi-channel recording/project management software and demo version of Studio Companion software.	FVS505 Recorder/Switcher/ Streamer 4 channel USB interface & Software for PC (up to 1080p30) Includes V-Station HD project management software and multi-channel video recording USB interface for use with client PC. User-configurable for 4 x SDI or 3 SDI plus one of: HDMI, Composite, S-Video, DVI/VGA inputs.	FVS503 Recorder/Switcher 4 channel USB interface & Software for PC (up to 1080p30) Includes V-Station HD project management software and multi-channel video recording USB interface for use with client PC. User-configurable for 4 x SDI or 3 SDI plus one of: HDMI, Composite, S-Video, DVI/VGA inputs.	FV0422 Add-in Post-Production Software Optional. Activation license available for V-Station HD Studio systems with software version 1.1.0.55 or newer. Demo version installed in 2020 V-Station HD Studio DVR System models.	FV0423 Post-Production Software for PCs Single User License. Multiple user licenses available. Compatible with most modern Windows PCs with Intel i5, i7 CPUs with Intel HD Graphics.
Applications	For advanced multi-cam and multi-stream video projects, including observation/ analysis and event video applications. Acquisition/live switching, line-cut recordings & multi-streaming.	For advanced multi-cam and multi-stream video projects, including observation/ analysis and event video applications. Acquisition/live switching, line-cut recordings & multi-streaming.	For advanced multi-cam and multi-stream video projects, including observation/ analysis & event video applications. Acquisition/live switching & multi-streaming, line-cut recordings.	Same as Producer4 but also provides 5 th recording track with line-cuts and also live streaming to YouTube Live, Facebook Live, or as private stream.	Portable multi-cam acquisition/live switching with virtual line-cuts (EDL), output XML for NLE offline editing. An affordable “grab & go” multi-cam video recording system, with a compatible Windows-based laptop, Surface Pro tablet, or desktop PC. 📍	Off-line tools expansion of the Studio models features with multi-view playback, logging, line-cut editing & format conversion of V-Station HD projects, including export to Non-linear editing systems and FTP Uploader.	Provides the same post-production tools as Studio Companion but on a Window’s based PC for offline work. Frees up the V-Station HD DVR system to record new projects while previously recorded projects are being worked on.

Capability	Studio 16	Studio8	Studio4	Producer4S	Producer4	Studio Companion	Studio PostTools
Support for Multiple 3G/HD/SD-SDI & HDMI digital video signal inputs	Yes	Yes	Yes	Yes HD/SD-SDI/HDMI	Yes HD/SD-SDI/HDMI	N/A	N/A
Support for single analog video signal input	No	No	No	Yes YPbPr, S-Video, composite video	Yes YPbPr, S-Video, composite video	N/A	N/A
Support for 3 monitor output (HDMI, DVI, VGA)	Yes	Yes	Yes	N/A	N/A	Yes	N/A
Synchronized H.264 Full HD Recording	Yes (up to 1080p60)	Yes (up to 1080p60)	Yes (up to 1080p60)	Yes (up to 1080p30)	Yes (up to 1080p30)	N/A	N/A
Live multi-camera switching output to a HDMI program monitor	Yes	Yes	Yes	Yes PC requires secondary monitor output	Yes PC requires secondary monitor output	Playback switching during AutoProducer editing	Playback switching during AutoProducer editing
AutoProducer® for auto generating EDLs of line-cuts	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AutoProducer® Line-cut recording (on-the-fly cuts editing) as additional video track	Yes 16 channels / 17 tracks	Yes 8 channels / 9 tracks	Yes 4 channels / 5 tracks	Yes 4 channels / 5 tracks	No	N/A	N/A
Multi-channel H.264 hardware encoders for simultaneous recording & streaming "point-to-point" live streaming (RTSP and RTMP supported)	Yes up to 8 multi-channel streams	Yes up to 8 multi-channel streams	Yes up to 8 multi-channel streams	No	No	No	No
Switchable H.264 GPU Encoder for multi-cam recording & streaming of Program Out as either "point-to-point" or via web portal (RTSP and RTMP supported). Unlimited viewers via CDN web portal.	Yes 1 multi-cam switched stream	Yes 1 multi-cam switched stream	Yes 1 multi-cam switched stream	Yes (non-web portal) 1 multi-cam switched stream	No	N/A	N/A
Social Network Streaming (YouTube Live and Facebook Live streaming supported)	Yes	Yes	Yes	Yes	No	No	No
Network Streaming Player (RTSP/RTMP)	Yes (with Studio Companion add-in)	Yes (with Studio Companion add-in)	Yes (with Studio Companion Add-in)	No	No	Yes (1-channel) for testing Network Stream	Yes (4-channel for user remote viewing)
FTP/YouTube File Uploader built-in	Yes	Yes	Yes	Yes	No	Yes	Yes
Multi-function Media Player with Playback to 2 nd monitor	Yes	Yes	Yes	Yes	Yes	Yes	Yes
B-Roll player with Picture-in-Picture (PiP)	Yes	Yes	Yes	N/A	N/A	N/A	N/A
Playlists for each recorded video track	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Mark events into a log	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Clip Library Browser	Yes	Yes	Yes	Yes	No	Yes	Yes
Project transfer to Adobe Premiere, Final Cut Pro (v7) and Vegas Pro via XML	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Additional analog audio inputs for synchronized embedded audio	Standard 1 x stereo channel 3.5mm phone jack Optional mono 4 x RCA panels (total 16 connectors)	Standard 1 x stereo channel 3.5mm phone jack FVS803/FVS804 only: Standard 8 x channels mono 3.5mm phone jacks Optional mono 2 x RCA panels (total 8 connectors)	Standard 1 x stereo channel 3.5mm phone jack FVS403/FVS404 only: Standard 4 x channels mono 3.5mm phone jacks Optional mono 1 x RCA panel (Total 4 connectors)	Standard 4 x channel stereo 3.5mm phone jacks	Standard 4 x channel stereo 3.5mm phone jacks	N/A	N/A
Analog audio recording for auxiliary independent track	Yes 1 x stereo channel	Yes 1 x stereo channel	Yes 1 x stereo channel	No	No	N/A	N/A
Studio Companion Software compatibility (for Multi-View® playback/editing/ logging, includes Network Streaming Player)	Yes ②	Yes ②	Yes ②	N/A PostTools software available	N/A PostTools software available	—	—
Recording time per channel	16 x 20 hours redundant recording	8 x 40 hours redundant recording	4 x 80 hours redundant recording	Up to 80 hours with 1TB drive ④	Up to 80 hours with 1TB drive ④	N/A	N/A
User-installed video data storage upgrade	Yes 2TB or 4TB SSD	Yes 2TB or 4TB SSD	Yes 2TB HDD, 2TB or 4TB SSD	N/A	N/A	N/A	N/A
Software updates/hardware upgrade path	Periodic software updates/enhancements	Periodic software updates/enhancements	FVS401 to FVS802 FVS403 to FVS803 FVS404 to FVS804 ⑤ ⑥	Periodic software updates/enhancements	FVS503 to FVS505 spec + periodic software updates/enhancements	Periodic updates	Periodic updates
Automatic oldest clip deletion during recording	Yes	Yes	Yes	Yes	No	N/A	N/A

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Capability	Studio 16	Studio8	Studio4	Producer4S	Producer4	Studio Companion	Studio PostTools
Task Scheduler	Optional add-in	Optional add-in	Optional add-in	Optional add-in	Optional add-in	N/A	N/A
All channel Instant Replay/Review with movable PIP	Optional add-in	Optional add-in	Optional add-in	N/A	N/A	N/A	N/A
Segmented Continuous Recording	Optional add-in	Optional add-in	Optional add-in	N/A	N/A	N/A	N/A
1-year parts/labor limited warranty & software updates	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Notes

- ❶ Some models use the SMA (small miniature coax connector) for 3G/HD-SDI inputs, but include BNC to SMA flex cable adapters. Others use HDMI or Min-HDMI with adapters or BNC connectors.
- ❷ Additional cost for this option. Provides up to 8 video file Multi-View® playback on single screen, re-creates the shoot by automatically syncing videos, and can do line-cuts while playback. Numerous other features are available.
- ❸ **Producer4 minimum PC requirements:** Intel based CPU i5 (dual core 2.30 Ghz or faster), Windows 7 Professional x64/Windows 10 Home/Pro, SSD 256GB or larger, Intel on-board HD graphics 520 or 4600 and above, 6 GB RAM (8 GB RAM recommended), USB 3.0 port for video interface. **Producer4S minimum PC requirements:** CPU Intel i5 3.4 Ghz (quad core, 4th Gen or higher), Intel HD Graphics 620 or higher or 4600 or higher, at least 8 GB RAM (recommend 12-16 GB), Windows 7 Professional x64/Windows 10 Home/Pro, SSD 256GB or larger, Intel on-board HD graphics 520 or 4600 and above, 6 GB RAM (8 GB RAM recommended), USB 3.0 port for video interface. When using optional Studio PostTools™ software (for multiple synchronized video playback, editing, logging), an i7 3.2 Ghz quad core-based PC is recommended.
- ❹ 1TB data storage drive (D:) is recommended for holding large video files (USB 3.0 external drive or internal secondary drive).
- ❺ Studio4 upgrades do not include highly-recommended SSD upgrade.
- ❻ Only FVS403 to FVS803 will accommodate optional audio upgraded from 4 to 8 RCA connectors (2 x panels).

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