Major Functions Updated in V7.01

Precautions when upgrading
When upgrading, follow the steps described in the upgrade guide (4-575-113-15(1)).

Last Clip Delete function support
The last recorded clip can now be deleted using an assignable switch assigned with the Last Clip Delete function.

Related menu items
Operation >Assignable Switch

Focus magnifier mode display function improvements
Improved visibility of focus magnification (Focus Mag) to avoid erroneous operation.

File transfer supported from the thumbnail screen
Original files and proxy files for transfer can now be selected on the thumbnail screen of the unit.

Related menu items
Thumbnail >Transfer Clip
Thumbnail >Transfer Clip(Proxy)

Certification update menu support
Network Client Mode certificates can now be imported using the web menu.
Sony Ci certificates can also now be imported using Upload Settings in the web menu.
For details about certificates, contact your Sony sales representative.

Related menu items
- System Settings >Network Client Mode Settings in the web menu
- "Sony Ci" setup screen accessed from Upload Settings in the web menu

Password security enhancements
Passwords used for basic authentication now must be 8 characters or longer and contain at least one alphabetic character and one numeric character, respectively, for enhanced security.

Related menu items
Maintenance >Basic Authentication >Password

Note

The password setting is reset when upgrading the firmware of the unit from a version prior to 7.0 to version 7.0 or later. In this case, reconfigure the password.

Other
Stability of recording and startup operations has been improved.

Major Functions Updated in V6.12
- At Proxy File Auto Upload, the newly added file is transferred preferentially over the file with transfer error.
- Improvement of the stability of the recording operation.

Major Functions Updated in V6.11
The recording cannot be performed when the leap day (February 29th) in the date setting of the unit is set. This symptom is improved.

Major Functions Updated in V6.10

Compatible with QD-G120F and QD-G240F XQD memory cards
QD-G120F and QD-G240F have been added to the XQD memory card lineup, which can be used with the camcorder. The XQD ExpressCard adapter (QDA-EX1) is required to use an XQD memory card.

Major Functions Updated in V6.00

TW (Auto Tracing White Balance) Pure mode support
Pure mode adjusts the white balance to obtain a result closer to primary colors, without residual bluish or reddish colors, than does the existing Natural mode.

Related menu items
Operation >White Setting >ATW Mode
Natural: Adjusts white balance to obtain a natural ambiance.
Pure: Adjusts balance that is closer to primary colors.

Slow & Quick Motion assignable switch registration
The Slow & Quick Motion on/off setting in the setup menu can now be switched using an assignable switch.
It can be registered in assignable switch 1, 3, 4, 5, or the COLOR TEMP button.

Related menu items
Operation >Rec Function >Slow & Quick Motion
Operation >Assignable SW

Loading of planning metadata from an SDXC card
Planning metadata can now be loaded from SDXC cards using an optional MEAD-SD02 Media Adaptor.

Related menu items
Operation >Planning Metadata

Note

SD/SDHC cards cannot be used.

Function improvements in network client mode
The performance of high-quality streaming using Sony QoS Technology has been improved.
In addition, the following operations are now supported using the Connection Control Manager.
- Proxy recording on/off
- Camera remote control and ALL file operations

Related menu items
Maintenance >Network Client Mode >Preset1/2/3
NCM with Proxy
Camera Control
Camera Setting

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Major Functions Updated in V5.20

SDHC memory card (FAT) support

In addition to SDXC memory cards, SDHC memory cards are now supported SD cards that can be used with the optional MEAD-SD02 Media Adaptor.

Notes

- SDHC memory cards are supported only when the file system is FAT and the recording format is MPEG HD420 (HQ/SP).
- The FAT file system is supported on SDHC memory cards only.

Configuration settings for connection to Wi-Fi station

Wireless LAN access point (Wi-Fi station) connection settings can now be configured from the setup menu of the unit, not just from the web menu.

Related menu items

Maintenance >Network >Wi-Fi Station Detail Settings

Network client mode multiple registration

Up to three network client mode settings can now be registered.

Related menu items

Maintenance >Network Client Mode >Preset 1 to Preset 3

Proxy Recording Mode assignable switch registration

Operation >Proxy Recording Mode >Setting in the setup menu can now be switched using an assignable switch.
This enables switching of proxy recording when in network client mode without using the menu.

Improved integration with digital wireless receivers

The power saving function of Sony DWR-S01D/S02D/S02DN Digital Wireless Receivers can now be controlled from the camcorder.

- The "TX Power Save" function can be assigned to an assignable switch.
- The power saving function of the digital wireless receiver can be linked to the operation of the power switch of the camcorder.
- The status of the digital wireless receiver in power saving mode is displayed in the viewfinder and LCD monitor.

Related menu items

Maintenance >WRR Setting >TX Power Save
Maintenance >WRR Setting >TX-Cam Power Sync

Note

The firmware version of the Sony digital wireless receiver required for support is given below.
DWR-S01D V1.16 or later, S02D V1.07 or later, S02DN V1.12 or later

Major Functions Updated in V5.10

Formatting while recording

Even while recording, the SxS memory card loaded in the other card slot can be formatted.

Notes

- Formatting is not supported during playback or when the thumbnail screen is displayed.
- Formatting is not supported while recording when Slow & Quick Motion is set to On and Frame Rate is set to 72 FPS or higher.
- During formatting, recording to the other SXS memory card cannot be started.

XDCAM air support

High-quality streaming is now supported by connecting the camcorder to XDCAM air.

Note

XDCAM air is a cloud service that is provided by Sony.
To use this service, registration is required.
XDCAM air is not provided in some regions. For details on areas where the service is provided, refer to the following site.
https://www.xdcam-air.com
For details about the XDCAM air privacy policy, visit the following sites.
– Terms of service
https://www.xdcam-air.com/site/tos_eu.html
– XDCAM air privacy policy
https://sony-imaging-products-solutions.co.jp/pp/sips/en/index.html
– Professional ID privacy policy
https://www.pro-id.sony.net/#/privacyPolicy
For more details, contact Sony professional sales representative.

Transfer of planning metadata files

Planning metadata files can now be transferred by setting "Auto upload (Proxy)."

Web menu

"OSS Information" has been added to the menu items displayed by tapping ☰ at the top left of the web menu screen.

Major Functions Updated in V5.00

Copying clips to external storage media

Clips recorded on SxS memory cards can be copied to storage media or USB media connected to the external device connector.

Transferring parts of original files recorded on the camcorder

Using "Content Browser Mobile" application version 2.2 or later, you can specify In/Out points in original files recorded by the camcorder to cut out and transfer the cutout parts.

Added proxy recording formats

HD/SD Auto has been added to the configurable proxy recording formats.

Added streaming formats

0.3 Mbps and 0.2 Mbps low bit rate options can be selected.

Added User menu items

Some items in the File menu can be added to the User menu.

Major Functions Updated in V4.00

Improved startup performance and operation response

The following startup performance and operation response items have been improved.

– The time from startup until key control is accepted has been shortened.
– The time from startup until an image is output on the viewfinder/LCD monitor has been shortened.
– The time taken from turning the power switch OFF and completely shutting down has been shortened.
– The response in thumbnail mode has been improved.
– The response for continuous recording operation has been improved.

UDF file system support

The UDF file system is supported for MPEG HD, IMX, and DVCAM format recording, and compatibility with conventional devices has been improved.

XAVC Intra 1080 59.94P/50P format recording support

XAVC-I 1080P is selectable when the system frequency is 59.94 or 50.

1080 59.94P/50P external input signal recording support

1080 59.94P/50P (Level A/B) signal input on the SDI IN connector can be recorded.

External input signal return display function

An HD SDI signal input on the SDI IN connector can be displayed as a return signal on the viewfinder screen/LCD monitor.

Interval Rec support format added

Interval Rec is supported when XAVC-L50/30/25 1080i is selected.

Proxy data recording function improvements

The following function improvements have been made.

– You can start and stop proxy recording independently by assigning the Proxy Rec Start/Stop function to an assignable switch.
– Proxy data recording to SDXC cards is supported.
– Proxy data recording in Network Client Mode is supported.

Auto Upload function

Automatic upload of proxy data is supported in response to assignable switch or menu operation.

Function expansion when connected with DWR-S02D Digital Wireless Receiver

RF power level setting and power saving are configurable for broadcasting transmitter.

Wired LAN detailed settings

Detailed settings are configurable when connected to a network using a USB-RJ45 adaptor (option) and LAN cable.

User Menu Lock function

A lock function for the User menu has been added.

Paint function improvements

The following paint function improvements have been made.

– DCC performance (DCC Delay Time) with default setting modified to match conventional devices.
– Low Key Saturation correction effect modified to match conventional devices.

Note

Reconfiguration is required if already using a modified setting.

Counter/Duration indicator default setting modified

Default setting changed to Counter to match conventional devices.

G-series and M-series XQD memory card support

Added G-series (QD-G32E, QD-G64E, QD-G128E) and M-series (QD-M32A, QD-M64A, QD-M128A) to the XQD memory cards supported by the camcorder.

Note

The optional XQD ExpressCard Adaptor (QDA-EX1) is required to use XQD memory cards.

Major Functions Updated in V3.00

Interval Rec function support

The Interval Rec function for recording intermittently is now supported (when XAVC-I, XAVC-L, or MPEG HD422 format is selected, excluding XAVC-L50/30/25 1080i).

Seamless, continuous playback

Seamless, continuous playback is supported for clips with identical recording format (excluding SStP, ProRes, and DNxHD® formats).

Clip copy function

You can now copy a specific clip or all clips to another SxS memory card.

Proxy data recording function improvements

The following function improvements have been made.

– Added 1280×720 (6 Mbps) to the proxy recording formats
– Simultaneous recording of still image of the first frame
– Recording of location information when GPS function is enabled
– "Proxy Rec" is displayed on the viewfinder screen during proxy recording
– Displays warnings for the SD card remaining capacity

Network support

Support for CBK-WA02 Wireless LAN Adaptor (option) and CBK-NA1 Network Adaptor (option) has been added.

* An attachment bracket (Part No. A-2092-367-A) is required for attaching options. For details, contact your Sony dealer or a Sony service representative.

File transfer

You can transfer proxy files recorded on SD cards and original files recorded on SxS memory cards to a server on the Internet over a 3G/4G/LTE network, in addition to transfer via an access point using Wi-Fi or LAN cable connection. Partial transfer of proxy files is also supported using "Content Browser Mobile" application version 2.0 or later.

Streaming transmission
High-quality streaming using Sony's QoS controls is supported by enabling network client mode and connecting and using a Sony PWS-100RX1 Network RX Station (option) as a Connection Control Manager.

Saving and loading ALL files
Reference files have been added to the ALL file load and save options.

Viewfinder function improvement
The VF Details settings for when an HDVF is connected have been revised, and operability improved to match existing devices. The brightness level controls of text characters and markers displayed on the viewfinder screen have 5-level settings.

* The brightness level setting for menu, status, and thumbnail display is also applied to the outputs on the LCD monitor, VIDEO OUT connector, and SDI OUT1/2 connectors.

Remaining battery capacity indicator
The Display On/Off >Battery Remain settings in the Operation menu have been changed to Audio, Voltage, and Off. When Voltage is selected, this displays the input voltage, regardless of the battery type.

UTILITY SD card icon indicator
An SD Card (Utility) option has been added to the Display On/Off item in the Operation menu, allowing you to turn the UTILITY SD card icon indicator on/off.

Recording status indicator improvements
The following function improvements have been made.
– When the remaining recording time on the recording SxS memory card falls below 60 seconds, instead of a warning message display, the remaining capacity indicator for the corresponding media slot flashes on the viewfinder screen to indicate that the camcorder is about to switch SxS memory cards automatically.
– The status indicators during simultaneous recording (Simul Rec) have been changed to "●Sml Rec" and "Sml Stby," and the remaining recording capacity warning is now displayed separately for slot A and slot B.

Output settings when the Picture Cache function is enabled
Enabling the Picture Cache function when 1080/59.94P or 50P in XAVC-L format is selected prevents switching between SDI output Level-A and other output formats. Also, when Level-A is selected, there are cases where On/Off switching of the SDI Outx (x = 1 or 2) Output item may not be available.
To change settings, first disable the Picture Cache function and then change the settings.

Major Functions Updated in V2.04

Improved auto iris operation
The auto iris operation (when using optical extender) for some lenses has been improved.

Corrected errors in 3G-SDI output timecode
An error in updating the timecode, when using an input timecode generated by some recorders, caused by an error in the embedded VITC control has been corrected.

Modified white balance memory operation
When the electrical CC filter switch function is assigned to an assignable switch and the Filter White Memory setting is enabled, the white balance settings can now be stored independently for each electrical CC filter setting.

Changed the settings retention of assignable switches/buttons
The internal retention operation of settings when the ASSIGN. 1/3 switches, ASSIGNABLE 4/5 switches, and COLOR TEMP. button are switched has been changed so that settings are reflected immediately (within two seconds), instead of when the POWER switch is turned off.

Output settings when the Picture Cache function is enabled
The following output settings operations are not available when the Picture Cache function is enabled.
– Changing [Output Format]
– Switching [SDI Out Output] on/off
– Switching [HDMI Out Output] on/off
To change settings, first disable the Picture Cache function and then change the settings.

Major Functions Updated in V2.03

Apple ProRes and Avid DNxHD®
Recording and playback are now supported for Apple ProRes 422 (HQ), Apple ProRes 422, Avid DNxHD220x, and Avid DNxHD 145 using the PXWK-501 and PXWK-502 codec options.

MPEG IMX
Recording and playback are now supported for MPEG IMX 50 Mbps.

Digital extender function
A maximum 4-times digital extender function is now supported. This extends the zoom range electrically to prevent the drop in sensitivity (F-drop) that occurs in a conventional lens extender lens.

Picture cache recording
The camcorder always maintains a cache of video and audio data for a set interval (maximum of 15 seconds) in internal storage memory when shooting, allowing you to capture several seconds of footage before actually starting to record.

External SD signal input recording function
Recording of SD signals from the SDI IN connector is now supported.

Counter display
Counter values can be now displayed as recording/playback elapsed times in the time data display section of the LCD monitor. The displayed values can also be reset.

COLOR TEMP. (color temperature) button
The color temperature when shooting can now be changed directly by a button operation.

Slot Select function assignment added to the assignable switch/buttons
The Slot Select function can now be assigned to the ASSIGN. 1/3 switches, ASSIGNABLE 4/5 switches, and COLOR TEMP. button.

Saving and loading of user files
User files allow you to save and load customized User menu items and configuration data.
This allows you to set up the User menu in a customized state.

Saving of reference files
Reference files allow you to save the values of scene file standard settings (when File ID is Standard).

Saving and recovery of preset values
When Store All Preset is executed, the current settings are saved as preset values. By executing Store All Preset, preset values can be recovered later, in response to the All Preset or dedicated menu commands, after settings have been changed or after scene files have been loaded.

Improved menu/status operation response
The menu display, cursor movement, transition between menu hierarchies, status screen displays, and page turning response have all been improved.

Improved continuous timecode accuracy when power is turned off
The continuous timecode accuracy when power is turned off has been improved.

Improved Auto Black Shading correction accuracy
The correction algorithm of Maintenance >Auto Shading >Auto Black Shading in the setup menu has been improved, giving flatter correction.

Improved convergence accuracy of automatic black balance (ABB)
The ABB control algorithm has been revised for improved level differences between R/G/B signals.

XAVC-L25 format bit rate control
Errors in XAVC-Long 25 Mbps format bit rate control have been corrected to provide the appropriate bit rate value.

Recommended media
Messages indicating the use of non-recommended media, due to the type of media used, are no longer displayed. For details about recommended media, contact your Sony sales representative.