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Sony IP&S Inc.

No. PDWM18-046R2-TN

Technical News

Issued : December 5, 2018

Revised : June 25, 2019

**Subject: Software Release [PDW-HD1500/F1600/HD1200: V3.30
=> V3.41/V3.43]**

[Applicable Model]

Model / Destination	Serial Number		Number of Unit
PDW-F1600 CN2	50001	- 51676	1676
PDW-F1600 CN2	51678	- 51696	19
PDW-F1600 CN2	51698	- 51761	64
PDW-F1600 CN2	51763	- 51765	3
PDW-F1600 CN2	51767	- 51770	4
PDW-F1600 SYL	10001	- 16026	6026
PDW-F1600 SYL	16028	- 16047	20
PDW-F1600 SYL	16049	- 16058	10
PDW-F1600/C CN2	70001	-	
PDW-F1600/C SYL	60001	-	
PDW-HD1200 CN2	50001	- 50385	385
PDW-HD1200 CN2	50387	- 50426	40
PDW-HD1200 SYL	10001	- 10213	213
PDW-HD1200=C CN2	70001	-	
PDW-HD1200=C SYL	60001	-	
PDW-HD1500 CN2	50001	-	
PDW-HD1500 SYL	10001	-	
PDW-HD1500=C CN2	70001	-	
PDW-HD1500=C SYL	60001	-	

(Rev.2) The descriptions of the error correction are added. The software file is not changed.

[Description]

The updated software file for the applicable models is released. (V3.41 and V3.43)
 PDW-HD1500/F1600/HD1200, V3.30 => V3.41 (The unit with HPR-23/45 board)
 => V3.43 (The unit with HPR-47 board)

Upgrade it as necessary.

[Applicable Serial No.]

This Technical News is applicable for the units whose package version is V3.30 or lower.

[Change Point]

Change Points

Addition and operation change of maintenance menu

- Maintenance menu M5A (PROTOCOL) is newly added, and the functions to enable / disable the setting of FTP/FTPS function and HTTP function are added.
 - FTP/FTPS
 - DISABLE [dis]: Disable FTP/FTPS
 - ENABLE [ena]: Enable FTP/FTPS (Default setting)
 - HTTP
 - DISABLE [dis]: Disable HTTP
 - ENABLE [ena]: Enable HTTP (Default setting)
- When setting the maintenance menu M5E (SECURITY LEVEL) to LEVEL2, the function to disable the UPnP function is added.

Openssl library change

- Openssl library is changed from 0.9.8ze to 1.0.2o.

Added functions

- Editing of VANC is supported. (PDW-F1600)
 Maintenance menu M3B3 (VANC EDIT) is newly created,
 If the metadata type of pre-recorded clip is "S436M", VANC can be edited when performing linear editing of video at the same time by the setting of menu.
 - M3B3:VANC EDIT
 - EDIT
 - DISABLE [dis]: Disable VANC editing (Default setting)
 - ENABLE [ena]: Enable VANC editing
 - ALARM
 - DISABLE [dis]: Disable Alarm at VANC editing (Default setting)
 - ENABLE [ena]: Enable Alarm at VANC editing
- The confirmation of metadata type becomes available.
 Thumbnail Menu is displayed, and the metadata type is confirmed by rtMetaKindType of Clip Information.

Drive firmware upgrading (BRD- P200)

- There is a case that the editing operation is stopped during the editing at linear editing by PDW-F1600, and a clip is locked. This case is improved.

Error Corrections

- When checking MXF file obtained from FTP/FAM by the format check tool (PWA-MC1), there is a phenomenon that an error (Timestamp value is inconsistent.) is output in the detail report. This error is corrected.

- There is a case that the image rarely freezes at disk playback in the unit with HPR-47 board. This error is improved. (V3.43)
- When performing FTP Get operation and FAM Read operation in the unit with HPR-47 board, there is a rare case that the file cannot be transferred correctly. This error is corrected. (V3.43)
- When the OUT REF setting is [INPUT], there is a case where the reference signal is switched to the REF.VIDEO INPUT connector during the editing. It is corrected. *Rev.2
- Although about 1 second of the beginning and the end of the specific clip (Note 1) are the periods that the editing cannot be executed, there is a case where the insert edit without the video could be executed by malfunction. It is corrected. *Rev.2
- When the specific clip (Note 1) is progressive, the editing may be failed. It is improved. *Rev.2
- (Note 1): Recorded HD422 clip by Interval REC, picture cache, otr the disc exchange cache, and partially transmitted HD422 clip by the FTP/FAM connection *Rev.2

[Preparation]

<Software File>

The software file to be installed would be different depending on the unit in which type of HPR board is installed (HPR-23/45 board or HPR-47 board).

File name:

--- Unit with the HPR-23/45 installed -----

PDW-HD1500

Garland-pdw-hd1500-3.410.pkg

PDW-F1600

Garland-pdw-f1600-3.410.pkg

PDW-HD1200

Garland-pdw-hd1200-3.410.pkg

--- Unit with the HPR-47 installed -----

PDW-HD1500

Garland-pdw-hd1500-s2-3.430.pkg

PDW-F1600

Garland-pdw-f1600-s2-3.430.pkg

PDW-HD1200

Garland-pdw-hd1200-s2-3.430.pkg

*Please contact to your local Sony's service office for obtaining the software files.

- How to confirm the type of the installed HPR board

The type of HPR board can be confirmed with the Maintenance menu item M30 or on the Status - Software Version screen of the XDCAM Web Site via Web connection.

Unit with HPR-47 board

HPR: 4.7x

Unit with HPR-23/45 board

HPR: 2.3x, or no indication of HPR version.

(If the HPR-23/45 board with V1.92 or lower is installed to the unit, HPR version would not be indicated.)

<Others>

When performing using a USB memory

1.USB memory

When performing from the XDCAM website

1. PC
2. Ethernet cable

[Installation Procedure]

Since the version of MENU is changed, the menu setting is reset after the upgrading.

Perform RESET ALL SETUP at the upgrading.

To take over the MENU setting, backup the menu data in advance, and recover it after the upgrading.

When performing using a USB memory

1. Back up the setup menu data into the USB memory following the Maintenance Manual, Section 4 Maintenance Mode, 4-6-3. ROM to USB (M3E1).
2. Perform the firmware update following the Maintenance Manual, Section 1 Service Overview, 1-10-1. Firmware Update.
3. Restore the setup menu setting data that was backed up once the version update is completed following the maintenance Manual, Section 4 Maintenance Mode, 4-6-2. USB to ROM (M3E0).
4. Confirm that the version is below after the upgrading.
V3.41 (PDW-HD1500/F1600/HD1200, model with HPR-23/45 board)
V3.43 (PDW-HD1500/F1600/HD1200, model with HPR-47 board)
For detail, refer to [Confirmation].

When performing from the XDCAM website

1. Back up the setup menu data following the Maintenance Manual, Section 3 XDCAM Web Site, 3-4-4 Setup Menu.
2. Perform the software update following the Maintenance Manual, Section 3 XDCAM Web Site, 3-4-5. Software Update.
3. Once the version update is completed, download the setup menu setting data to the unit that was uploaded following the Maintenance Manual, Section 3 XDCAM Web Site, 3-4-4 Setup Menu.
4. Confirm that the version is below after the upgrading.
V3.41 (PDW-HD1500/F1600/HD1200, model with HPR-23/45 board)
V3.43 (PDW-HD1500/F1600/HD1200, model with HPR-47 board)
For detail, refer to [Confirmation].

[Confirmation]

Confirm if the version is upgraded to as below.

V3.41 (PDW-HD1500/F1600/HD1200, model with HPR-23/45 board)

V3.43 (PDW-HD1500/F1600/HD1200, model with HPR-47 board)

The version can be confirmed with the Maintenance menu item M30.

Confirm that the versions are as the followings.

PDW-HD1500/F1600

PCKG :3.41 (The unit with the HPR-23/45 board)

PCKG :3.43 (The unit with the HPR-47 board)

SY1 :3.41

SY2K :1.98

SY2U :3.40

KY :1.517 (The unit with the HPR-23/45 board)

KY :1.600 (The unit with the HPR-47 board)

DRV :2.82

TS :1.56 (It is not displayed when the PDBK-201 is not installed)

DSP0 :1.01 (When the M393: AUDIO DSP setting is set to linear edit for the PDW-F1600 or the PDW-HD1500 with the PDBK-L1500 installed.)

DSP0 :1.00 (For the PDW-HD1500 without the PDBK-L1500. Or, when the M393: AUDIO DSP setting is set to "AGC/limiter" for the PDW-F1600 or the PDW-HD1500 with the PDBK-L1500 installed.)

DSP1 :1.00

DSP2 :1.10

PRXA :1.027

FAM :1.04

HDRX :3.06

KYIC :1.00

LUNA :1.10

LVIS :3.71

PHOT :1.17

PIER :1.30 (The unit with the HPR-23/45 board)

PIER :1.42 (The unit with the HPR-47 board)

TSYS :4.308

TMBP :4.307

VAX :1.40 (The unit with the HPR-23/45 board)

VAX :1.42 (The unit with the HPR-47 board)

TSIC :1.12 (It is not displayed when the PDBK-201 is not installed)

MENU :1.55

FTBL :1.50 (The unit with the HPR-23/45 board)

FTBL :1.00 (The unit with the HPR-47 board)

HPR :2.3x (The unit with the HPR-23/45 board)

HPR :4.7x (The unit with the HPR-47 board)

It is also possible to confirm from the Status - Software Version screen in the XDCAM Web Site via web connection. Confirm that the versions are as the followings.

PACKAGE :3.41 (The unit with the HPR-23/45 board)

PACKAGE :3.43 (The unit with the HPR-47 board)

SY1 :3.41

SY2K :1.98

SY2U :3.40

DRV	:2.82
PIER	:1.30 (The unit with the HPR-23/45 board)
PIER	:1.42 (The unit with the HPR-47 board)
PHOT	:1.17
VAX	:1.40 (The unit with the HPR-23/45 board)
VAX	:1.42 (The unit with the HPR-47 board)
LVIS	:3.71
FAM	:1.04
LUNA	:1.10
DSP0	:1.01 (When the M393: AUDIO DSP setting is set to "linear edit" for the PDW-F1600 or the PDW-HD1500 with the PDBK-L1500 installed.)
DSP0	:1.00 (For the PDW-HD1500 without the PDBK-L1500. Or, when the M393: AUDIO DSP setting is set to" AGC/limiter" for the PDW-F1600 or the PDW-HD1500 with the PDBK-L1500 installed.)
DSP1	:1.00
DSP2	:1.10
PRXA	:1.027
TSYS	:4.308
TMBP	:4.307
HDRX	:3.06
KY	:1.517 (The unit with the HPR-23/45 board)
KY	:1.600 (The unit with the HPR-47 board)
KYIC	:1.00
TS	:1.56 (It is not displayed when the PDBK-201 is not installed)
TSIC	:1.12 (It is not displayed when the PDBK-201 is not installed)
MENU	:1.55
FTBL	:1.50 (The unit with the HPR-23/45 board)
FTBL	:1.00 (The unit with the HPR-47 board)
HPR	:2.3x (The unit with the HPR-23/45 board)
HPR	:4.7x (The unit with the HPR-47 board)

PDW-HD1200

PCKG	:3.41 (The unit with the HPR-45 board)
PCKG	:3.43 (The unit with the HPR-47 board)
SY1	:3.41
SY2K	:1.60
SY2U	:3.40
KY	:1.60
DRV	:2.69
DSP0	:1.00
DSP1	:1.00
DSP2	:1.10
PRXA	:1.027
FAM	:1.04
ROVO	:1.00
KYIC	:1.00
LVIS	:3.50
PHOT	:1.00
PIER	:1.30 (The unit with the HPR-45 board)
PIER	:1.42 (The unit with the HPR-47 board)
TSYS	:4.308
TMBP	:4.307

VAX :1.00 (The unit with the HPR-45 board)
 VAX :1.02 (The unit with the HPR-47 board)
 MENU :1.55
 FTBL :1.00
 HPR :2.3x (The unit with the HPR-45 board)
 HPR :4.7x (The unit with the HPR-47 board)

It is also possible to confirm from the Status - Software Version screen in the XDCAM Web Site via web connection. Confirm that the versions are as the followings.

PACKAGE :3.41 (The unit with the HPR-45 board)
 PACKAGE :3.43 (The unit with the HPR-47 board)
 SY1 :3.41
 SY2K :1.60
 SY2U :3.40
 DRV :2.69
 PIER :1.30 (The unit with the HPR-45 board)
 PIER :1.42 (The unit with the HPR-47 board)
 PHOT :1.00
 VAX :1.00 (The unit with the HPR-45 board)
 VAX :1.02 (The unit with the HPR-47 board)
 LVIS :3.50
 FAM :1.04
 ROVO :1.00
 DSP0 :1.00
 DSP1 :1.00
 DSP2 :1.10
 PRXA :1.027
 TSYS :4.308
 TMBP :4.307
 KY :1.60
 KYIC :1.00
 MENU :1.55
 FTBL :1.00
 HPR :2.3x (The unit with the HPR-45 board)
 HPR :4.7x (The unit with the HPR-47 board)