

[Description]

The V3.60 software with additional functions and corrected errors for the HDCU2000 series is released. CCU Assignment function is now available with HDCU2000 series in this upgraded version. Upgrade the Firmware of CCU as you need. Upgrading to the following versions of cameras and control panels is required as well. Follow the related technical memo below to perform the upgrade.

Related technical memo

HDCM21-054 (MSU-3000, MSU-3500)	V1.30
HDCM21-053 (RCP-3500, RCP-3501)	V1.30
HDCM21-057 (RCP-3100)	V1.31
HDCM21-056 (MSU-1000, MSU-1500)	V3.80
HDCM21-055 (RCP-1500, RCP-1501, RCP-1530)	V3.80
HDCM17-088 (HDC2000 Series)	V3.30

[Applicable Model]

- HDCU2000 series
HDCU1700, HDCU2000, HDCU2500, HDCU2080, HDCU2580

[Change Point]

<New Functions>

1. Support CCU Assignment function.
*See technical memo of MSU-3500 «HDCM21-054» to the detailed usage.
2. Support that HDCU1700 without HKCU-2007/2040 connects to HDC3100/3500.

<Error Correction>

1. Corrected the issue where TRIAX MODE was not configurable under the connection to HAFX-200.
2. Deleted the warning of “CAMERA INVALID” when HDCU2080/2580 connected to some cameras.

[Preparation]

<Software file>

Version upgrade of the software is required.

File name	Upgrade target	Version
hdcu2000.rom	Software	V3.60

*Obtain the above file from the software Download site.

<Memory stick>

The software version upgrade is executed using a memory stick. Prepare either one of the following memory stick. The memory stick that has already been used for other applications can also be used if it has blank capacity of more than 2MB.

- MSA-8AN (8MB)
- MSA-16AN (16MB)
- MSA-32AN (32MB)
- MSA-64AN (64MB)

Create the following directory in a memory stick and copy hdcu2000.rom. Enter the directory name with upper-case letters. Because of the display on Microsoft Windows system, be careful that only the top character is displayed in upper case, and the remaining characters are displayed in lower case.

¥MSSONY¥PRO¥CAMERA¥HDCU2000 (Enter all in upper case)

[Installation Procedure]

<Software>

1. Turn off the power of HDCU2000/2500/2080/2580/1700.
2. Insert the memory stick in which the upgraded version data is copied in the specified directory, into the memory stick connector of the AT-167 board.
3. Set the switch S401 (the switch located on the top) at the end of the AT-167 board to the “SD” position.
4. Set the switch S402 (the switch located on the bottom) at the end of the AT-167 board to the “ADV” position.
5. When the Memory Access LED has changed from the red to green light, release your hand from switch S402. After the green LED of the MAIN-POWER of HDCU2000/2500/2080/2580/1700 keeps blinking for about 15 seconds, it turns on.
6. Return the switch S401 position from “SD” position to the original position.
7. Turn off the power once and turn it back on. The system will boot up with the new software.

[Confirmation / Adjustment]

<Confirming the software version>

Check the ROM version at the CHARACTER output or the MONITOR output.

ROM Version
CHU
CCU HDCU2000
3.60 22.xx.xx

[Software History]

V3.01: HDCM17-003

- HKCU2040 is supported (HDCU2000/2500 only).
 - RETURN BUFFER extension mode is added.
- *When connecting the BPU4000/4500 and the CCU equipped with HKCU2040, upgrade BPU4000 to V3.41 or higher, and the upgrade BPU4500 to V1.41 or higher.**

V3.10: HDCM17-024

- HKCU2040 LIVE-HDR is supported (HDCU2000/2500/1700 only).
- Mounting of HKCU2040 on HDCU1700 is supported.
- The 4K output and the simultaneous 720p down-conversion output are supported.
- 4K 2SI diamond mark display function

V3.20: HDCM17-061

- HLG_Live is supported with HKCU2040 (only for HDCU2500/1700).
- The HDR output of 1080/59.94i, 50i is supported during LIVE-HDR operation.
- Support for 2017 Edition Payload ID output.
- The adjustable range of the 4K/HD detail is expanded during the 1080P (4K/HDR) transmission.

V3.30: HDCM17-089

- HKCU2040: 12G-SDI output is supported.
- HKCU2040: Status indication of 12G-SDI output is added.
- HKCU2040: White Clip function in HDR is added.
- HKCU2040: LIVE_HDR is supported (only for HDCU2000/2500/1700).

V3.40: HDCM19-034

- When HKCU2040 is installed, Panel support for changing HDR OETF/Color Space settings.
- When HKCU2040 is installed, Panel support for changing HDR Black Clip/Compression settings.
- Added the function to disable the PRIVATE setting of the INTERCOM switch.

V3.50: HDCM21-021

- Support to connect to HDCE-TX30/RX30.
- Support for 2019 Edition Payload ID output.