



Technical Memo

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Revision of Information:

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RANK 2

Revised : July 30, 2021

Issued : May 27, 2021

Subject: Software Release [V1.12]

Revise Point(s)

Ember+ Bug fix

Issue No.HDCM21-019R

Target Models / Destination

| Model Name | Dest |
|------------|------|
| HDCE-RX30 | E |

| Model Name | Dest |
|------------|------|
| HDCE-RX30 | SYM |

| Model Name | Dest |
|------------|------|
| HDCE-TX30 | E33 |

| Model Name | Dest |
|------------|------|
| HDCE-TX30 | SYL |

[Description]

The updated version of HDCE-TX30/HDCE-RX30 is released. (V1.06 -> ~~V1.11~~ V1.12) ※Rev.1
 Upgrade HDCE-TX30 and HDCE-RX30 at the same time.

Related technical memo

HDCM21-021 (HDCU2000, HDCU2080, HDCU2500, HDCU2580, HDCU1700)

[Applicable Serial Number]

The serials that need to be supported by technical memo are as follows.

The following serials and later are already available on the mass production line.

| Model/Destination | Serial Number |
|-------------------|---------------|
| HDCE-TX30/L SYL | ~10048 |
| HDCE-TX30/T E33 | ~30003 |
| HDCE-RX30/L SYM | ~10015 |
| HDCE-RX30/T E | ~30002 |

Target model

HDCE-TX30

HDCE-RX30

[Change Point]

<New Function>

- IP 4K input/output added (HDCE-TX30 Direct Mode only)
 By installing HZCE-UHD30 and HZCE-DIR50, the following is enabled.
 IP-OUT4: 4K format can be output.
 IP-RET4: 4K format can be input.
- IP 1080P 2x/3x/4x output support
 When connecting to HDC3500 with the HZC-QFR50 option, 1080P 2x/3x/4x can be output from IP-OUT5 to IP-OUT8.
- FAN control added
 The rotation speed of FAN can be set. It is possible to select from AUTO (default)/MIN/MAX.
- Addition of HDR function
 HDR ColorBar output and SR Live Metadata superimposition are possible.
- LAN-COM in-band function added
 The following items that were controlled only from LAN-COM port are now possible from LAN1 port.
 The target is CNS, Web Menu, NMOS, Ember+, TSL UMD and SNMP.
 Either LAN-COM or LAN1 can be selected.
 The above control is performed on the LAN1 side even in the ST 2110 redundant configuration using LAN1 and LAN2.

<Error Correction>

- CAM Menu and various Gate signals display problems
 Countermeasures for the problem that the display of CAM Menu and various Gate signals are not correctly superimposed on the CCU output during PAIR mode operation.
- Functional modification of Ember+ ※Rev.1

[Preparation]

<Data for update>

File name: **hdcetx50_~~v1.11~~v1.12.zip** ※Rev.1

*Obtain it from Software Download site.

The files below can be obtained by extracting **hdcetx50_~~v1.11~~v1.12.zip**. ※Rev.1

| | |
|-----------------------|---------------|
| hdcetx50_app.pkg | Software File |
| hdcetx50_updater.pkg | Updater file |
| hdcetx50_os.pkg | OS File |
| hdcetx50_sy.pkg | PLD File |
| hdcetx50_vif82_tx.pkg | PLD File |
| hdcetx50_vif82_rx.pkg | PLD File |
| hdcetx50_net1.pkg | PLD File |
| hdcetx50_net2.pkg | PLD File |

*All latest software/PLD files as of this technical memo are supplied from the Software Download site.

<Update device>

USB memory, 1 piece

[Upgrade Procedure]

Use the USB memory for upgrading. Refer to the MAINTENANCE MANUAL for the procedure.

*If want to upgrade the related software and PLD file individually, upgrade OS first. If the version upgrade fails, perform a forced version upgrade.

[Confirmation after Upgrading]

Confirm the versions in the APPLICATION item of the menu of HDCE-TX30, DIAGNOSIS - <VERSION1> (D03) page.

| | | | |
|-------------|-------------------------------|----------------------|---------------|
| APPLICATION | V1.11 V1.12 | (Change item) | ※Rev.1 |
| UPDATER | V1.00 | | |
| OS | V1.10 | (Change item) | |
| SY | V1.10 | (Change item) | |
| VIF | V1.12 | (Change item) | |
| NET1 | V2.24 | | |
| NET2 | V2.27 | (Change item) | |

Confirm the versions in the APPLICATION item of the menu of HDCE-RX30, DIAGNOSIS - <VERSION1> (D03) page.

| | | | |
|-------------|-------------------------------|----------------------|---------------|
| APPLICATION | V1.11 V1.12 | (Change item) | ※Rev.1 |
| UPDATER | V1.00 | | |
| OS | V1.10 | (Change item) | |
| SY | V1.10 | (Change item) | |
| VIF | V1.10 | (Change item) | |
| PS | V2.00 | | |
| NET1 | V2.24 | | |
| NET2 | V2.27 | (Change item) | |

[Software History] HDCE-TX30

| | V1.05 Initial release | V1.06 HDCM20-036 | V1.11 V1.12 HDCM21-019 |
|-------------|--------------------------|---------------------|--------------------------------------|
| APPLICATION | V1.05 | V1.06 | V1.11 V1.12 |
| OS | V1.00 | ← | V1.10 |
| UPDATER | V1.00 | ← | ← |
| SY | V1.00 | ← | V1.10 |
| VIF | V1.01 | ← | V1.12 |
| NET1 | V2.24 | ← | ← |
| NET2 | V2.26 | ← | V2.27 |

※Rev.1

[Software History] HDCE-RX30

| | V1.05 Initial release | V1.06 HDCM20-036 | V1.11 V1.12 HDCM21-019 |
|-------------|--------------------------|---------------------|--------------------------------------|
| APPLICATION | V1.05 | V1.06 | V1.11 V1.12 |
| OS | V1.00 | ← | V1.10 |
| UPDATER | V1.00 | ← | ← |
| SY | V1.00 | ← | V1.10 |
| VIF | V1.03 | ← | V1.10 |
| PS | V2.00 | ← | ← |
| NET1 | V2.24 | ← | ← |
| NET2 | V2.26 | ← | V2.27 |

※Rev.1