**[Description]**

The updated version of HDCE-TX30/HDCE-RX30 is released. (V1.06 -> V1.11)

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>

1. 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.

1. 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.

1. FAN control added

The rotation speed of FAN can be set. It is possible to select from AUTO (default)/MIN/MAX.

1. Addition of HDR function

HDR ColorBar output and SR Live Metadata superimposition are possible.

1. 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>

1. 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.

**[Preparation]**

<Data for update>

File name: hdcetx50\_v1.11.zip

\*Obtain it from Software Download site.

The files below can be obtained by extracting hdcetx50\_v1.11.zip.

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** **(Change item)**

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** **(Change item)**

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  HDCM21-019 |
| APPLICATION | V1.05 | V1.06 | V1.11 |
| 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 |

**[Software History] HDCE-RX30**

|  |  |  |  |
| --- | --- | --- | --- |
|  | V1.05  Initial release | V1.06  HDCM20-036 | V1.11  HDCM21-019 |
| APPLICATION | V1.05 | V1.06 | V1.11 |
| 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 |