

Release notes HDH20 HDH21-HDH20/HDH21

These release notes are applicable to the following modules:

- HES20

Software version 0607
Hardware version 0101, 0102, 0103, 0104, 0105, 0106
Platform HDH20 HDH21
Date 01-11-2013
Filename HES20-0101to0106-0607-service.zip

- Added Input2Ref-Error Setting ("Off", "SDI-Out=Off").
If the HES20 is in Synchronize Mode and Input-Format-Rate and Ref-Format-Rate do not match then the SDI-Output will be forced to Off.
- Added Input-Loss Setting. When Input is Loss the user can choose to "freeze" the SDI-Out or force it to "black", "grey" or "green".
- Added Ref-Format Detection
- Added "Enh AC-3" detection in audio-format detectors
- Added "Locked-To" Status. Shows: "Not Locked", "Ref", "SDI" or "Freerun"
- Added SDI-Out. Shows: "Off", "Active" or "Freeze"
- Added In2Ref-Rate. Shows "Ok" or "Error"

Software version 0406
Hardware version 0101, 0102, 0103, 0104, 0105, 0106
Platform HDH20/HDH21
Date 04-05-2011
Filename HES20-0101to0106-0406-service.zip

- Changed: Separate V-Delay and H-Delay settings for 1080/720p/SD.

Software version 0305
Hardware version 0101, 0102, 0103, 0104, 0105, 0106
Platform HDH20/HDH21
Date 26-03-2009
Filename HES20-0101to0106-0305-service.spf

- Solved False ATC-Packet triggering. Card was triggered by VANC-ATC-Packets which resulted in duplicated HANC-ATC-Packets and loss of SDI-Output.
- Solved Start-up-Bug when SDI-Input with luminance-errors was presented at the input of the card.

Software version 0204
Hardware version 0101, 0102, 0103, 0104, 0105, 0106
Platform HDH20/HDH21
Date 26-11-2008
Filename HES20-0101to0106-0204-service.spf

- In SD-Mode and Free-Run: SDI-Outputs were out-of-spec including glitches into the embedded audio domain.
- Solved swapped audio-channels in embedder-core when switching SDI-Input-sources using a specific timing.
- Added Audio-Phase selection (Off,Align), when set to off, the card ignores all errors related to audio, such as ANC and sequence errors. (Card eats all.)
- Improved the timing relation between clock and data of the HD and SD output.

Software version 0103
Hardware version 0101, 0102, 0103, 0104, 0105, 0106
Platform HDH20/HDH21
Date 02-05-2007
Filename HES20-0101to0106-0103-service.spf

- added 60Hz standards for dolby-e alignment.
- HD720p50 and HD720p60 formats drop/repeat 2-frames, aligned with dolby-e frame.

Software version 0102
Hardware version 0104, 0105, 0106
Platform HDH20/HDH21
Date 13-02-2007
Filename HES20-0101to0106-0102-service.spf

- Improved jitter performance at 60 Hz
-