



bitcontrol® VidCtrl-VE

Video to MPEG-2 conversion and streaming



System requirements

- Intel® Pentium® 4 2.0 Ghz or higher
- 256 MB RAM or higher
- DirectX compatible VGA graphic card with YUV - support

Functions

- Audio/Video-synchronisation
- On-Screen Display
- Programmable I, B, P Frame picture sequence
- Encoding-Bitrate (CBR) monitoring

Further properties

- Dimension: 180,73mm x 113mm
- Operating temperature: 0C-60C (32F-140F), no condensation
- Energy consumption: 7,5W (1,5A/5V), without relay

Scope of delivery

- 1 x bcIVC4300 Encoder card
- 1 x DB-9 to 3,5mm Phone-Jet 4 Channel-Audio-Cable
- 1 x bitcontrol® Digital TV Link license for bcIVC4300
- 1 x bitcontrol® VidCtrl-DEC license for bcIVC4300
- 1 x Documentation (Installation- and User manual)

Features

- MPEG4/2/1 Video Encoding
- 4 video channels with 120fps / 720 x 480 (NTSC) per channel
- 4 Channel-Stereo- Output
- Programmable GOP
- Applications: bitcontrol® Video Streaming Server, video conference, DVB-H/T, VOD
- Option: External GPIO Relais-Board with 8 channels (4 in / 4 out) incl. I/O Kit and cable

Interfaces

- 4-Channel Composite Video-Input (NTSC, PAL and SECAM Autosensing)
- 4-Channel Audio-Input

Software

- bitcontrol® Digital TV Link plug-in
- Integration in bitcontrol® Video Streaming Server
- Device drivers for Windows® 2000 / XP
- SDK and Demo program (complete source code of the Demo program in C++)

Video Engine

- MPEG 4 Advanced Simple Profile (Level 3); ISO/IEC 14496-2
- MPEG 2 Main Profile (Main Level), ISO/IEC 13818-2
- MPEG 1, ISO/IEC 11172-2

Resolution

- | NTSC | PAL |
|-------------|-------------|
| • 720 x 480 | • 720 x 576 |
| • 640 x 480 | • 480 x 576 |
| • 480 x 480 | • 352 x 576 |
| • 352 x 480 | • 352 x 288 |
| • 352 x 240 | • 176 x 144 |
| • 320 x 240 | |
| • 176 x 144 | |



Picture: bitcontrol® VidCtrl-VE in 1HE and 2HE

A complete device is available as bitcontrol® VidCtrl-VE.

The bitcontrol® VidCtrl-VE case is a 19" slot in 1 HE, alternatively 2 HE.