

bitcontrol® VidCtrl DVI-GE (-DEC)

DVI to MPEG-2 conversion and streaming



The bitcontrol® VidCtrl DVI-GE (GrabberEncoder) makes it possible to record a monitor screen output via the DVI interface of the computer or alternatively via a connected DVI splitter and convert the signal into MPEG-2 format. The resultant video stream can be streamed into a network or may be used for other purposes (e.g. recording).



The DVI input signal can have different resolutions, e.g.:

- 640 x 480
- 800 x 600
- 1024 x 768
- 1280 x 1024
- 1600 x 1200
- 1920 x 1080

The bitcontrol® VidCtrl DVI-GE is running on top of the Windows® XP embedded operating system.

Requirements like Unicast/Multicast streaming, RTSP-Live, RTSP-VoD, etc. are met using DTVLink and bcVSS.

The bitcontrol® VidCtrl DVI-GE system is integrated into a proven KONTRON case.

Furthermore the device has an extremely low noise level, which makes it perfect for use in noise-sensitive environments.

Some other device features are listed below:

Processor

- Celeron 440 (1 x 1,86GHz)

Temperature

- -20°C to +70°C, non-operating
- 0°C to +50°C, operating

Humidity

- 10-90%, non-operating
- 20-90 %, operating

Shock

- 30g, 11ms, non-operating
- 15g, 11 ms, operating

Vibration

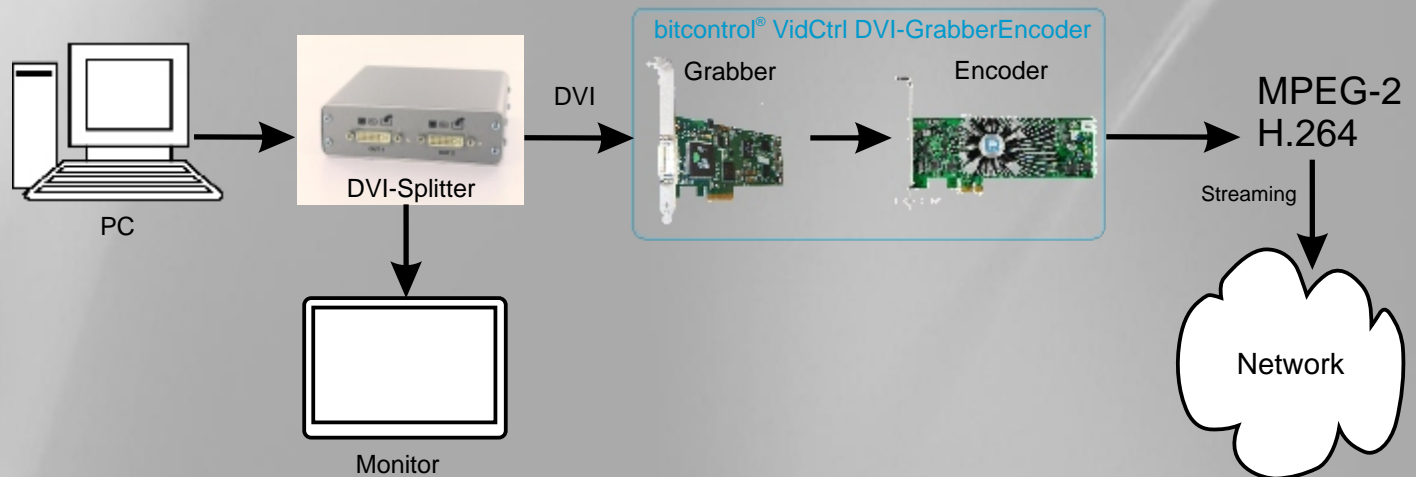
- 1g 10-500Hz, operating
- 2g 10-500Hz, storage

Noise

- < 35dBA

Device option

- Decoder (bitcontrol® VidCtrl DVI-GE-DEC)



Scheme of DVI to MPEG-2 conversion and streaming