



bitcontrol® VidCtrl - DEC

MPEG Decoder for different output signals



Today, the MPEG format is the most common standard in video products. It is used in DVD and TV productions, in digital broadcasts as well as in high quality online video monitoring (video transmission in real-time). These applications can be realised on a PC with the help of dedicated software.

Suppose you wanted to watch a video in MPEG format on your PC. Since the common Windows Media® is not capable of decoding a MPEG video, you would normally have to install an additional program for playback. This is not necessary! By integrating the bitcontrol® MPEG decoder the Windows Media® Player will become a MPEG video player as well.

The bitcontrol® VidCtrl - DEC ...

... is a pure filter software (built-in DirectShow® filter under MS Windows®) without any user interface. The filter integrates itself into a multimedia player (e.g. Windows Media® Player) during installation. It will be active only when a video in MPEG format is played via the respective player.

The extraordinary...

... of the bitcontrol® VidCtrl - DEC is its robustness against errors (e.g. temporary signal intermission or bit errors), making it particularly well suited for internet streaming applications, DVB-C, DVB-T and DVB-S.

Excellent colour brilliance and colour correction...

... are realised for all common graphics chips by using 4:2:2 colour upsampling and, if necessary, a further corrective colour spreading during the decoding process. That means: Black stays black also in movie scenes by night!

For the first time, the new bitcontrol® Video Overlay Technology...

...makes it possible to implement ergonomic On Screen Displays (OSD) directly within the Windows Media® Player and similar. The powerful technology is currently used by bitcontrol® Quad Recorder.

bitcontrol® VidCtrl - DEC features

In combination with the bitcontrol® Digital TV Link and depending on the video source, the bitcontrol® VidCtrl - DEC is able to handle different input formats, like:

- PES and TS
- RTP/H.263
- RTSP/RTP MPEG-4
- bcmsdb (Unicast / Multicast)
- *.mpg File (m1v, m2v, m2p, mpa, mpeg, mp2)
- *.vob File
- *.ts File (DreamBox Subset)
- *.avi File (MPEG-4 part 2)
- *.mp4 (z.T. DivX)

The following output formats are supported:

- DVI
- VGA
- RGB
- Composite
- YUV
- S-Video

The bitcontrol® VidCtrl - DEC is a DirectShow® filter for multimedia applications under Microsoft® Windows® 98 / Windows® ME / Windows NT® / Windows® 2000 / Windows® XP / Windows® Vista (32/64).

	Win 98 / ME	Win XP / 2000	Vista 32 / 64
DXVA 1.0	✓	✓	✓
DXVA 2.0	—	—	VMR7, VMR9 (just MPEG-2)
HDTV	✓	✓	✓
MPEG-2	✓	✓	✓
MPEG-4	✓	✓	✓
H.263	✓	✓	✓
H.264	—	✓	soon



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

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

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