



bitcontrol® MPEG Decoder

Robust, powerful, well-priced and legal



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 offers can be used on PC with help of respective programs.

If you want to watch a video in MPEG format on your PC, you have to install usually an additional program on your PC. Because a common standard player (e.g. the Windows Media® Player) don't have innately the possibility of play-back the MPEG format. That isn't necessary! The integration of the bitcontrol® MPEG Decoders makes the standard player also to a MPEG player.

The bitcontrol® MPEG Decoder ...

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

The extraordinary...

... of the bitcontrol® MPEG Decoder is its robustness against errors (e.g. temporary signal intermission or bit errors). Therefore the Decoder is especially well suited for internet streaming applications, DVB-T and DVB-S.

Excellent colour brilliance and colour correction...

... are realised for all common graphic chips by using 4:2:2 colour upsampling and , if necessary, a further correct 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 in the Windows Media® Player and similar. The powerful technology is currently used in bitcontrol® Quad Recorder.

bitcontrol® MPEG Decoder features

In combination with the bitcontrol® Digital TV Link and depending on the video source, the bitcontrol® MPEG Decoder 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:

- NV12 für DXVA 2.0
- RGB24
- RGB32
- RGB555
- RGB565
- UYVY
- YUY2
- YV1
- YUY2
- YV1
- YVYU

The bitcontrol® MPEG Decoder 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, VRM9 (just MPEG-2)
HDTV	✓	✓	✓
MPEG-2	✓	✓	✓
MPEG-4	✓	✓	✓
H.263	✓	✓	✓