



From

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Release Letter

Product:	<i>MPEG-ActiveX</i>
Version:	<i>3.00.0012</i>

This letter contains latest information about the above mentioned software version.

1. New Features

- MPEG-4 video in 4CIF resolution is now fully decoded and displayed.
By default, interlaced sources are de-interlaced.
Optionally, an up-scan conversion is available for optimal rendering of moving scenes.
- The MPEG-4 decoder performance has been improved (see chart below).
- An optional overlay is supporting VIP/VideoJet motion detector, MOTION+ and IVMD (Intelligent Video Motion Detection, Bosch's advanced video content analysis), providing visualization of detected motion and object information as well as alarms.
- MPEG-4 streams recorded via the MPEG-ActiveX can be played back with the Windows Media Player.



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2. Restrictions; Known Issues

- For 32-bit color mode the PC must support YUV overlay.
- MPEG-ActiveX versions 2.7x and newer cannot display the live video of a VideoJet 400 in quad mode anymore when local recording for more than one camera is active.
- For MPEG-2 rendering on Nvidia graphic cards, use driver version 71.84 or older for optimal performance.
- In display mode "Dual view" on Nvidia FX1400/4400 and ATI GL V 3100 graphic cards, drag & drop from primary to secondary monitor and vice versa does not automatically refresh camera images.
- Streaming works only if a RCP+ connection is established. If multicast streaming is enabled, a device can only connect to the stream if a RCP+ connection exists. Although the multicast address is enabled, the IP address must be set in addition.

3. System Requirements

- Desktop: Personal Computer
- CPU: Pentium IV, 1.8 GHz
- RAM: 256 MByte
- OS: Windows 98/2000/XP
- Graphic card: Nvidia Geforce6600, Nvidia Quadro FX1400, ATI RADEON 9800/X600/X800, Matrox Parhelia or better
- Ethernet card: 100 MBit/s
- Sound card for audio
- Software: DirectX 9.0c



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4. Performance Chart MPEG-4 Decoding

This table shows the performance to be expected on a typical PC with equivalent or exceeding performance and configuration as the respective VIDOS station.

Maximum number of Web browser windows may vary depending on video resolution, video quality, data rate and frame rate settings, scene activity and – most important – other applications running.

		screen resolution 1280 x 1024 single view			screen resolution 3840 x 1200 stretch mode 16:9 displays		
VIDOS Station 3		Web browser IE 6.0					
Nvidia Quadro FX 4400 (512MB)		4CIF	1/2 D1	CIF	4CIF	1/2 D1	CIF
Scene activity:	quiet	11	20	24	11	18	25
	medium	10	18	24	11	18	25
	busy	10	18	24	11	17	25

VIDOS Station 3		Web browser IE 6.0					
ATI Fire GL V 3100 (128MB)		4CIF	1/2 D1	CIF	4CIF	1/2 D1	CIF
Scene activity:	quiet	10	18	20	10	17	19
	medium	10	17	20	10	17	19
	busy	10	16	19	10	16	18

VIDOS Station 2		Web browser IE 6.0					
Nvidia Quadro FX 1400 (128MB)		4CIF	1/2 D1	CIF	4CIF	1/2 D1	CIF
Scene activity:	quiet	6	13	13	6	12	12
	medium	6	12	13	6	12	12
	busy	6	11	13	5	11	12