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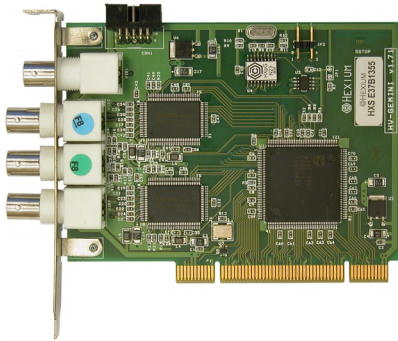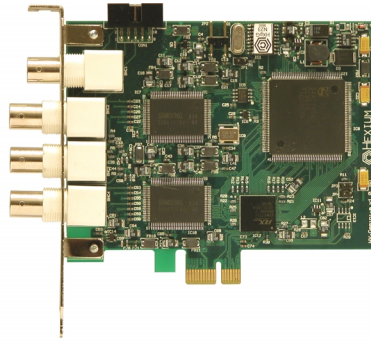
HEXIUM HV-GEMINI AND HV-GEMINI PCI EXPRESS
PCI BUS VIDEO FRAME GRABBER CARDS

HV-GEMINI

HV-GEMINI PCI Express

The **HEXIUM** PCI bus frame grabber cards allow professional planning and simple applicability. You can easily install their drivers and start using them within minutes.

The great advantage of the **HEXIUM HV-GEMINI** card is that it supports less frequently used environments (DOS-DPMI32) and of course the generally used operating systems (Windows NT, Windows 2000, Windows 98, Windows ME, Linux).

The complete development environment is available for each card, for C, C++, C++ Builder, Delphi and Visual Basic systems.

Our Gemini cards can capture images from various generally used standards (PAL, SECAM, NTSC).

You can set in the software the way the grabber cards receive composite or SVHS signals.

The **HEXIUM**-**HV-GEMINI** card enables a quick change between the input connections. You can set the operation method of the input signal amplifier to manual or automatic. You can also set the capture format to CCIR or square Pixel resolution.

In the case of Windows98 and Windows NT/2000/XP operation systems, the **HEXIUM HV-GEMINI** card provides standard and direct interfaces. Thus you can use it as a Twain 32 data source for all of these operating systems. In the case of Windows NT/2000/XP you can also use them as a Video for Windows data source.

The **HEXIUM** PCI bus frame grabber cards provide safety for your long-term developments. During their production it was an important aspect for us that it should be compatible with our previous ISA and VESA bus frame grabber cards. This way you can use your security and measurement softwares for a long time. The quickly changing computer technology of our time would be no problem for your long-term developments.

Main features:

- *PCI bus interface*
- *6 composite or 3 SVHS input*
- *Scaleable resolutions up to 768x576*
- *8 bit grayscale, 15/16/24 bit RGB, 16 bit YUV*
- *PAL, SECAM, NTSC input signal*
- *25 and 30 frames / second*
- *The support of Windows NT, Windows 2000, Windows XP, Windows 98, Windows ME, Linux, DOS-DPMI32 platforms.*
- *Twain 32 data source (Windows)*
- *Video for Windows data source (Windows NT/2000/XP)*
- *AGC can be switched off at the input*
- *Developer support in C, C++, C++Builder, Delphi, Visual Basic environments*

Technical information:

	HV-GEMINI	HV-GEMINI PCI Express
Size (WxDxH)	145x20x105 mm	145x20x105 mm
Composite input (CVBS)	6	6
SVHS input (Y/C)	3	3
Hardware key	optional	optional
Bus	PCI	PCI Express
Average consumption @5V	550 mA	550 mA
Input signal	standard PAL, SECAM, NTSC	
Resolution	max. 768x576 (PAL), 640x480 (NTSC), 720x576 (PAL CCIR), 720x480 (NTSC CCIR)	
Speed	max. 25 frames / second (PAL), 30 frames / second (NTSC)	
Driver programmes	Windows NT/2000/XP, Windows 95/98/ME, Linux, DOS-DPM132	
Miscellaneous software surfaces	Twain 32 (Windows NT/2000/XP, Windows 98/ME), Video for Windows (Windows NT/2000/XP)	
Developer's environment:	C language DLL, for Borland and Microsoft developer's systems (Borland C++, C++Builder, Delphi, Visual C++, Visual Basic)	
Supply voltage	+5V from the PCI bus (it does not need 3.3V)	
Temperature range, storage:	0-70 °C	
Operation:	0-50 °C	
Hardware guarantee:	2 years	

The latest updates of the driver programs can be downloaded from the homepage of Hexium Technical Development Co., Ltd. at www.hexium.hu.

Ordering information:

Hardwares

HV-GEMINI	Frame grabber card with 4 BNC plug
HV-GEMINI-PACK	CVBS frame grabber card with 4 BNC plugs and also with HEXSHELL and HEXFILTER license.
HV-GEMINI-X	4 BNC supplementing unit connecting two cards.
HV-ORION	Frame grabber board with 4 BNC connectors.

Optional hardware components

HPG-GEMINI	Built on a Gemini board proGuard Deluxe device
HPG-RESETCORD	Reset cable for proGuard-Deluxe devices

For further information please visit **www.hexium.hu**.

Magyarország célba ér