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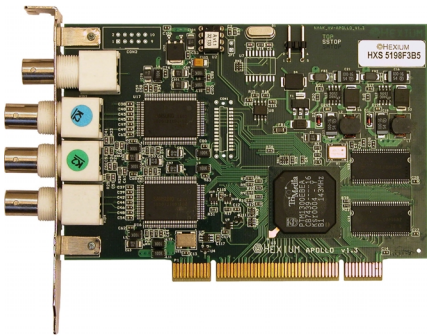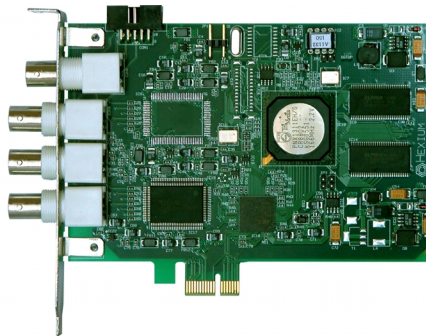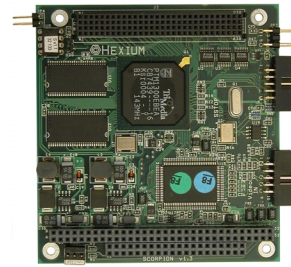
HEXIUM HV-APOLLO, HV-APOLLO PCI EXPRESS HV-SCORPION
PCI BUS DSP VIDEO FRAME GRABBER CARDS

HV-APOLLO   HV-APOLLO PCI Express   HV-SCORPION

HEXIUM PCI bus frame grabber cards combine professional design with user friendliness. The drivers for the cards are easy to install, so their operation can begin in a matter of minutes.

The main advantage of the **HEXIUM HV-APOLLO** and **HV-SCORPION** cards is that they combine a semi-professional digitalizing technology with the efficient multimedia performance of the Philips Nexperia DSP processor.

We recommend the application of the Philips development system (NDK) for the **HEXIUM HV-APOLLO** and **HV-SCORPION** frame grabber cards, which enables the most efficient multiprocessor development with the assistance of the Nexperia DSP and a traditional PC.

The development kit includes the C/C++ compiler and a simulator necessary for the use of the processor, as well as several sample programs with their source codes for the programming of the card.

A Board Support Package (BSP) library for controlling the card is also at the disposal of the developers. This includes the usual user interface for the hardware units on the card. By applying this package several routine libraries are immediately available to the user.

The grabber cards are able to produce images from all the widespread formats, so they are able to receive PAL, SECAM and NTSC signals as well.

The input connections of the frame grabber cards are capable of receiving both composite and SVHS signals according to the settings of the software.

HEXIUM HV-APOLLO and **HV-SCORPION** cards enable a quick change for the programmer between the available input connections. The operation method of the input signal amplifier can be set to either manual or automatic. The capture format could be set to CCIR or square Pixel resolution.

HEXIUM HV-APOLLO and **HV-SCORPION** cards provide sufficient SDRAM memory needed for image processing tasks. This way the capacity of the PCI bus of the computer is less loaded, since only the result of the image processing is transferred through the bus and not the full image.

Main features:

- PCI bus interface
- 6 composite or 3 SVHS inputs
- Scalable resolutions up to 768x576
- 15/16/24/32 bit RGB, 16bit YUV overlay formats
- PAL, SECAM, NTSC input signals
- 25 or 30 frames/second
- Supports Windows NT, Windows 2000, Windows XP, Windows 98, Windows ME and Linux platforms
- Onboard memory
- Philips Nexperia processor
- AGC can be swithced off
- Developer's support in a C, C++ environment

Technical information:

	HV-APOLLO	HV-APOLLO PCI Express	HV-SCORPION
Size(WxDxH)	170x20x105 mm	170x20x105 mm	100x23x100 mm
Composite input (CVBS)	6	6	6
SVHS input (Y/C)	3	3	3
Hardware key	optional	optional	optional
CPU clock frequency	133 MHz	133 MHz	133 MHz
Memory clock frequency	100 MHz	100 MHz	100 MHz
Memory	32 Mbytes	32 Mbytes	32 Mbytes
Bus	PCI	PCI Express	PCI 104/Plus

Input signal:	standard PAL, SECAM, and NTSC
Highest resolution:	768x576 (PAL), 640x480 (NTSC), 720x576 (PAL CCIR), 720x480 (NTSC CCIR)
Highest speed:	25 frames/second (PAL), 30 frames/second (NTSC)
Operating systems:	Windows 2000/XP, Windows 98/ME, Linux
Software support:	C/C++ language DLL, Borland and Microsoft or other compatible developing systems
	BSP (Board Support Package) library for developing
	Philips NDK developing system (available separately)
Power supply voltage:	+ 5V from the PCI bus (does not need 3.3 V)
Temperature range:	
Storage temperature:	0-70°C
Operating temperature:	0-50°C
Hardware guarantee:	2 years

The latest versions of the drivers can be downloaded from the WEB site of Hexium Technical Development Co., Ltd. at www.hexium.hu

Ordering information:

Hardwares

HV-APOLLO-32MB	Nexperia DSP digitalization card with PCI bus
HV-APOLLO-64MB	Nexperia DSP digitalization card with PCI bus

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

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