Matrox LPX-IN/Hybrid Controller
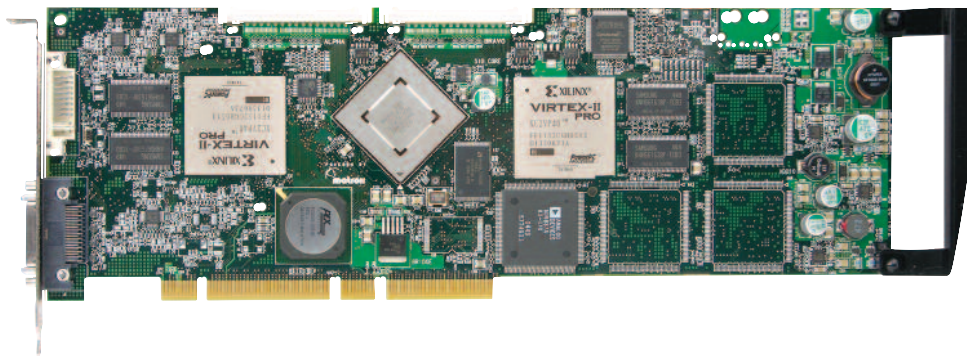
The Matrox LPX-IN/Hybird adds the capability of capturing 1 RGB analog channels as well as 4 analog video (NTSC/PAL/SECAM) channels. The LPX-IN/Hybrid is a highly integrated, single slot, PCI-X add-in board compatible with the LPX-OUT4 add-in board enabling data transfers between the capture and the output boards via the system bus. Based on Matrox cutting edge acquisition IP on top of a Matrox designed 4-port high-speed bridge, the LPX-IN/Hybrid is capable of processing, packetizing and transmitting all channels, in real-time*, to an adjacent LPX-OUT4 output board.

Main features[1]

- 1 RGB analog channels
- 4 analog video channels (NTSC, PAL, SECAM)
- Single PCI-X slot
- Seamlessly stream over a standard and usable Windows® desktop provides a familiar working environment.
- Hardware downscale and decimation
- Standard resolutions with the ability to customize to almost any resolution[4]
- Automatic resolution and format detection provides complete multi-sync operation, connect/re-connect and resolution switch on-the-fly detection with automatic scale to window feature.

Product availability, ordering information & support

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Technical specifications[1]

Bus interface	PCI-X 64-bit / 133 MHz[2]
Dimensions	Full length, full height, PCI-X card: 12.283" X 4.25" [3]
Weight (board)	Approximately 275.60 g
Frame buffer memory	128 MB of high-speed memory
Display support	1 RGB analog channels + 4 analog video channels
Maximum number of cards per system	1
Data transfers	System bus
Capture formats	RGB : Separate H and V syncsVideo : NTSC, PAL, SECAM
Resolution (pixels)	RGB: Capture at a resolution up to 1280x1024 with 30Hz refresh, per channelNTSC, PAL: Real-time, dual field, 60Hz per channel
Software support	Windows drivers and API for custom development
EMI certifications	FCC Class A,
Environmental	Operating temperature from 0 to 55 degrees Celsius
Atmospheric	Operating pressure from about 650 to 1013 hPa
Humidity	Operating humidity from 20% to 80%, non-condensing
OS support	Microsoft® Windows® XP Professional 32-bit, Windows® XP Professional 64-bit, Windows® Server 2003 64-bit
Part Number	DW-LPXINHYB4-0F

[1] Support can differ amongst OEM versions [2] PCI-X is backward compatible with 66 and 100 MHz [3] PCI-X card will operate in 3.3 volts slots only [4] Maximum resolution of 1280x1024
Matrox reserves the right to change specifications at any time without notice. Image is for illustration purposes only.

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