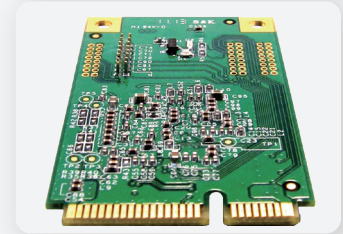
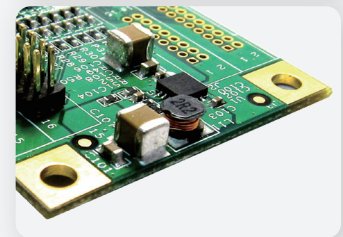
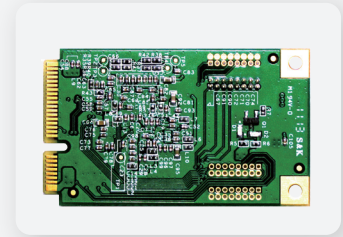
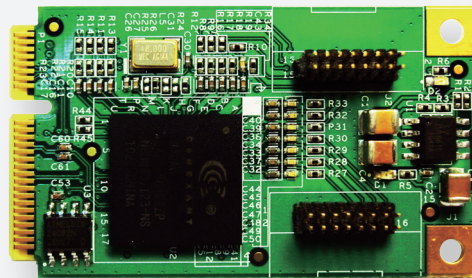


# VMX-200

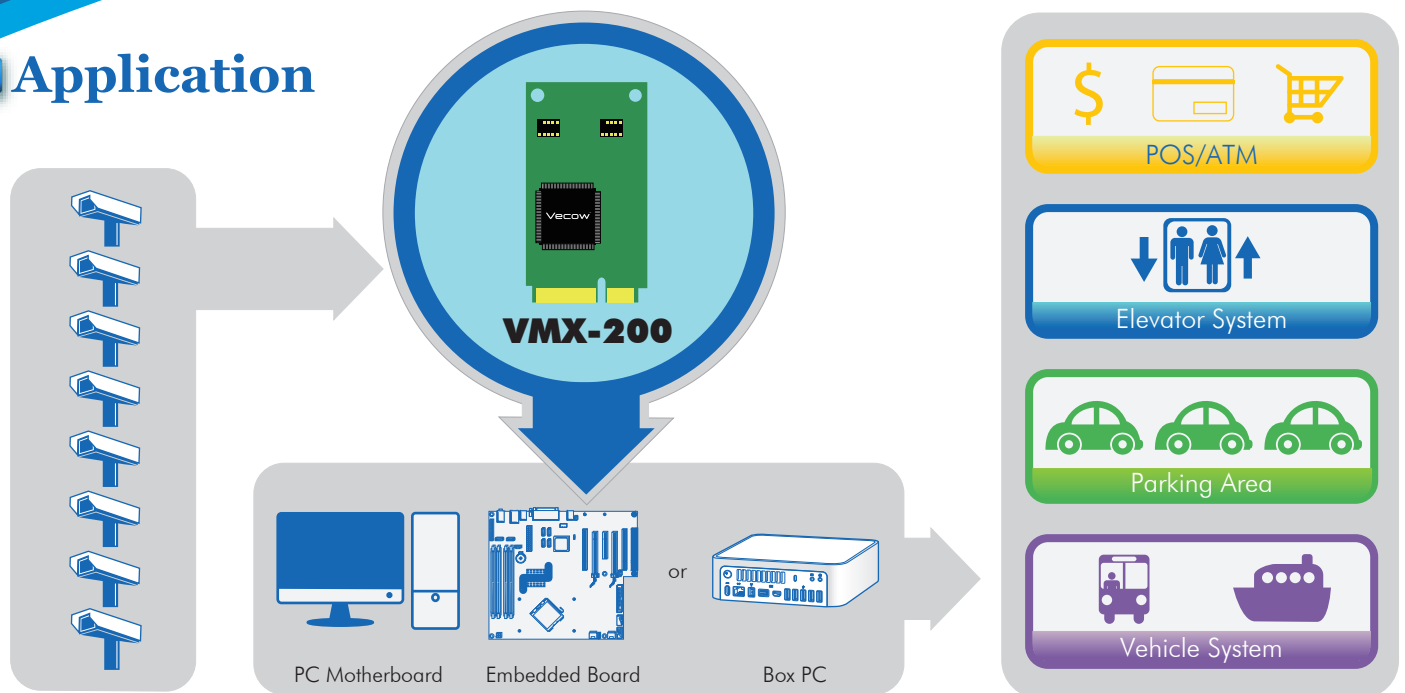
4-CH/8-CH, H.264, Mini-PCI Express, Software Compression/Video Capture card



- 120/240 fps. in real-time D1 resolution
- 4-CH/8-CH video/audio input
- High-quality 10-bit A/Ds for video decoders
- Interface to Maxim H.264 CODECs for bridging of compressed data to PCIe
- Programmable motion detection
- Support GPIO pins

The Vecow VMX-200 multi-channel high quality video/audio card is especially designed for surveillance applications. Integrated with mini PCIe interface, VMX-200 series provides outstanding digital to video transferring rate, intensive integration with wide-ranging systems, and flexibility for Build-to-Order. Containing eight high quality NTSC/PAL video decoders with 10-bit A/Ds and 5-line comb filtering, VMX-200 series produces high definition digital Video output. Digital Video/Audio output supports the bridging of up to four channels of digital video and audio from PCIe. In addition, low power consumption and low heat design of VMX-200 series can save more system power and use most PC system resources. The complete SDK supports and mini PCIe form factor, the Vecow VMX-200 series can be easily integrated into various machine, such like as BOX Computer, Mounted PC, Panel PC, POS/ATM system or Embedded board.

## Application



## Specification

### General

Bus Type/Form Factor	Mini PCI Express
Dimensions	51(L)mm x 30(H)mm
I/O Connector	1 x 16 pin header to D-Sub 15(VMX-200-4) / 2 x 16 pin header to D-Sub 15(VMX-200-8) 1 x D-Sub 15 to BNC cable(VMX-200-4) / 2 x D-Sub 15 to BNC cable(VMX-200-8)
Environment Certifications	FCC, CE, RoHS compliance
Storage Temperature	-40°C to 85°C
Operate Temperature	0°C to 60°C

### Video

Maximun Channel Number	4(VMX-200-4) / 8(VMX-200-8)
Input connector	4 input BNC to D-Sub 9(VMX-200-4) / 8 input BNC to D-Sub 9(VMX-200-8)
Resolution	D1 (NTSC:720x480 / PAL:720x576) CIF (NTSC:360x240 / PAL:360x288) 4CIF (NTSC:704x480 / PAL:704x576) DCIF (NTSC:528x320 / PAL:528x384) QCIF (NTSC:180x120 / PAL:180x144)
Recording Rate	4CH with full D1 resolution(VMX-200-4) / 8CH with full D1 resolution(VMX-200-8) 120 fps on NTSC system, 100fps on PAL system(VMX-200-4) 240 fps on NTSC system, 200fps on PAL system(VMX-200-8)

### Audio

Maximun Channel Number	4 mono or 2 stereo(VMX-200-4) / 8 mono or 4 stereo(VMX-200-8)
Input connector	4 input BNC to FP cable(VMX-200-4) / 8 input BNC to FP cable(VMX-200-8)

### Software

Windows	Windows XP / VISTA / Windows 7
Linux	Standard Linux kernel 2.6.32 and all above
SDK	Linux and Windows

\*The specification is subject to change without prior notice.

## Ordering Information

Part Number	Description
VMX-200-4	4-CH, D1, Real-time, Mini-PCI Express, 120 fps, Video Capture Card, include cables and SDK
VMX-200-8	8-CH, D1, Real-time, Mini-PCI Express, 240 fps, Video Capture Card, include cables and SDK
Suggested Platform	Description
EC-3000-5G	Intel® Core™ i7/i5 Fanless Embedded Controller with 5x GbE, 2x eSATA, 4x COM
EC-3000-3G	Intel® Core™ i7/i5 Fanless Embedded Controller with 3x GbE, 2x eSATA, 4x COM