

# VM-8016

16 Channel H.264 AVC All in One Main Board

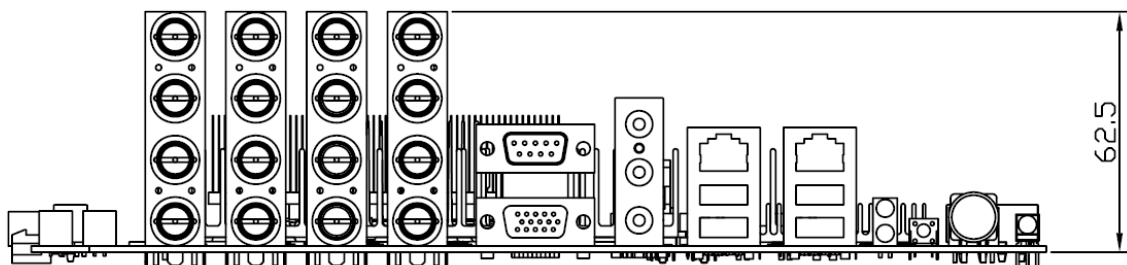
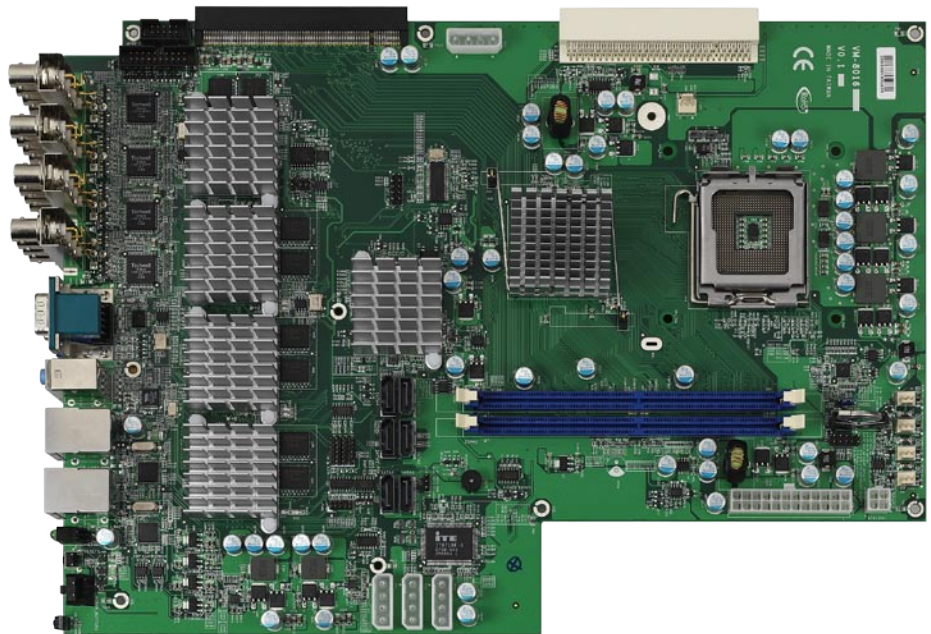


## Applications

- Video Surveillance
- Broadcasting
- Digital Signage
- Video on Demand
- Video Storage & Playback
- Video Analytics (Medical)
- Video over IP
- Video Streaming

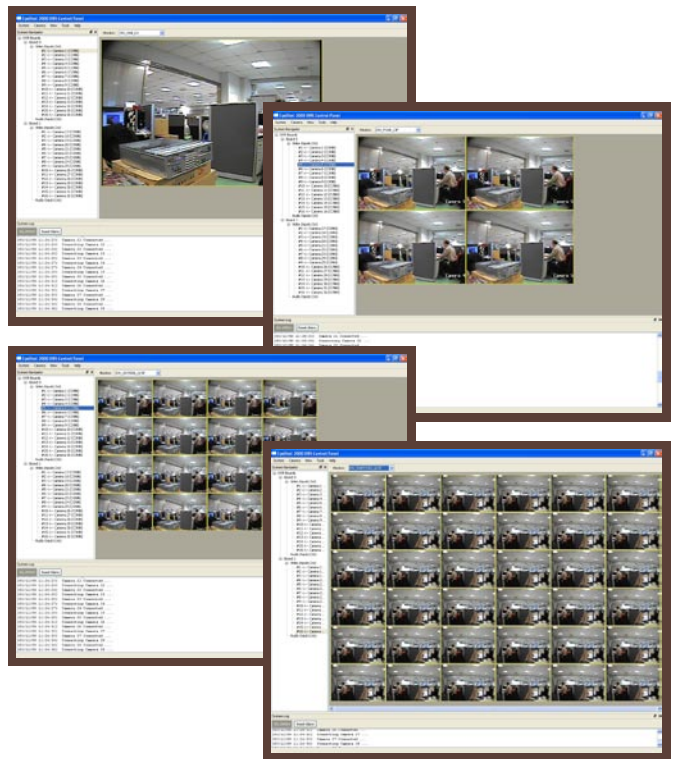
## Features

- H.264 AVC Full D1 at 30/25 FPS
- 16 channel G.711 audio encoder
- Socket LGA775 for Intel Core 2 Quad or Celeron
- Up to 4GB DDR2 667/800MHz
- Dual gigabit NIC, USB x 4
- PCI-E (x16) expansion slot
- Supports up to 6 SATA II devices
- Intel GMA 3100 integrated graphics (1280 x 1024)
- Scalable Video Coding (SVC)



| FEATURE               | DESCRIPTION                           |   |   |
|-----------------------|---------------------------------------|---|---|
| Video                 | Compression                           | H.264/AVC   |   |
|                       | Video Input                           | 16 x BNC inputs CVBS 1.0Vp-p, with 75 ohm loading for video input                                 |   |
|                       | Resolution                            | 720 x 480 NTSC, 720 x 576 PAL   |   |
|                       | Frame Rate                            | NTSC: 480FPS / PAL: 400FPS  |   |
| Audio                 | Compression                           | G.711   |   |
| Platform              | Processor                             | Socket LGA775 supports Dual-Core Intel® Pentium®, Core 2 Duo, Core 2 Quad and Celeron® processors |   |
|                       | Chipset                               | Intel Q35 + ICH9DO  |   |
|                       | System Bus                            | 800/1066/1333 MHz   |   |
|                       | Memory                                | Two 240-pin DDR2 SDRAM DIMM sockets, up to 4 GB DDR2<br>667/800 MHz                               |   |
| OS Support            |                                       | Windows XP  |   |
|                       |                                       | Ubuntu 8.04   |   |
|                       |                                       | Fedora 10   |   |
|                       |                                       | CentOS 5.2  |   |
| Graphics              |                                       | Intel GMA 3100 Integrated graphics core (1280 x 1024)   |   |
|                       | Serial ATA                            | 6 x SATA II Ports for HDD, DOM, DVD-RW  |   |
| I/O Connectors        | USB                                   | Up to 4 USB Ports 2.0 Compliant, 1.1 Compatible   |   |
|                       | Serial Port                           | 1 x High-Speed UARTs 16550 serial port  |   |
|                       | VGA                                   | 1 x D-Sub 15 pin VGA port (1280x1024)   |   |
|                       | LAN                                   | 2 x RJ45 10/100/1000 LAN ports  |   |
|                       | Video                                 | 16 channel composite video input, BNC type  |   |
|                       | Audio                                 | On-board 16 channel Audio input (pin head), Optional RCA type module (IAC-BP16A)                  |   |
|                       | Audio Jacks                           | Line In, Line Out, Mic In   |   |
|                       | Alarm relay and PTZ module (optional) | One RS-485 for PTZ<br>8 alarm-input and 8 relay-output (EX-001IX)                                 |   |
|                       | PCI Expansion                         | PCI-Express   | 1 x PCI-E (x16) expansion slot              |
|                       | Physical Dimensions                   | Dimensions (WxHxD)  | 264 x 62.5 x 370 mm (10.39 x 2.46 x 14.56") |
| Net Weight            |                                       | 0.98 kg (2.16 lbs.)   |   |
| Operating Environment | Operating Temperature                 | 0° to 45° C   |   |
|                       | Storage Temperature                   | -20° to 70° C   |   |
|                       | Operating Relative Humidity           | 5% to 95%   |   |
| Compliance            |                                       | RoHS  |   |
|                       |                                       | CE, FCC   |   |
| Software              | Application                           | EyeShot 2000 DVR control panel (Windows XP)   |   |
|                       | SDK                                   | Linux, Windows  |   |
| Ordering Information  | VM-8016                               | 16-channel H.264/AVC video and audio encoding all-in-one mainboard                                |   |
|                       | EX-001IX                              | Alarm/RS-485 module with terminal block   |   |
|                       | IAC-BP16                              | 16-channel audio board with RCA connectors  |   |

## EYESHOT 2000 CONTROL PANEL



### Software Features

- Motion Detection
- Video Loss Detection
- Scalable Video Coding (SVC)
- Night Detection
- RAW Data Preview

### SDK Features

- Encode and Alarm I/O
- Streaming
- Decode
- Display (X-Window for Linux, DirectDraw for Windows)
- RS-485 Control

### SDK OS Support

- Windows XP
- Linux: Ubuntu 8.04, Fedora 10, CentOS 5.2

### About Lanner

Founded in 1986 and publicly listed (TAIEX: 6245) since 2003, Lanner Electronics Inc. is an ISO 9001 certified designer and manufacturer of reliable, frontline network security, network video and applied computing platforms. With headquarters in Taipei, Taiwan and branches in the U.S. and China, Lanner is uniquely positioned to deliver custom technical solutions with localized, value-added service.

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creating value in applied computing