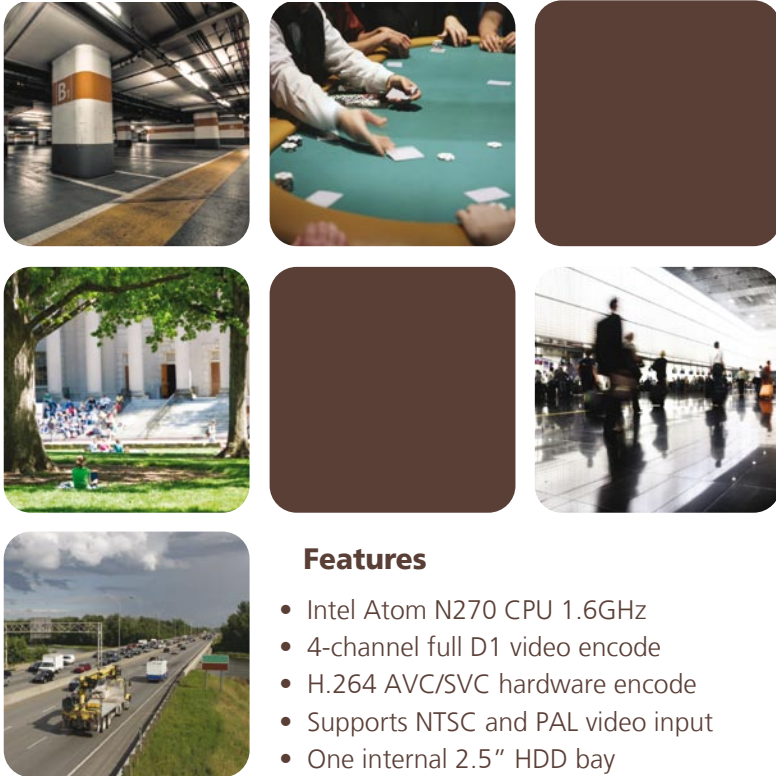


VW-1104

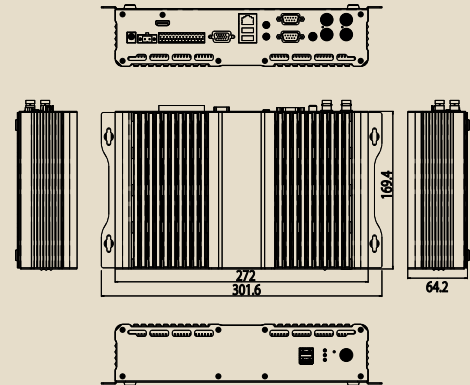
4 Channel H.264 AVC Hybrid Mobile DVR



Features

- Intel Atom N270 CPU 1.6GHz
- 4-channel full D1 video encode
- H.264 AVC/SVC hardware encode
- Supports NTSC and PAL video input
- One internal 2.5" HDD bay
- Up to 2GB DDR2 400/533 MHz SDRAM
- 4 alarm-input and 2 relay-output
- 1 RS485, 12V DC
- Gigabit Ethernet
- Scalable Video Coding (SVC)

MECHANICAL DRAWING



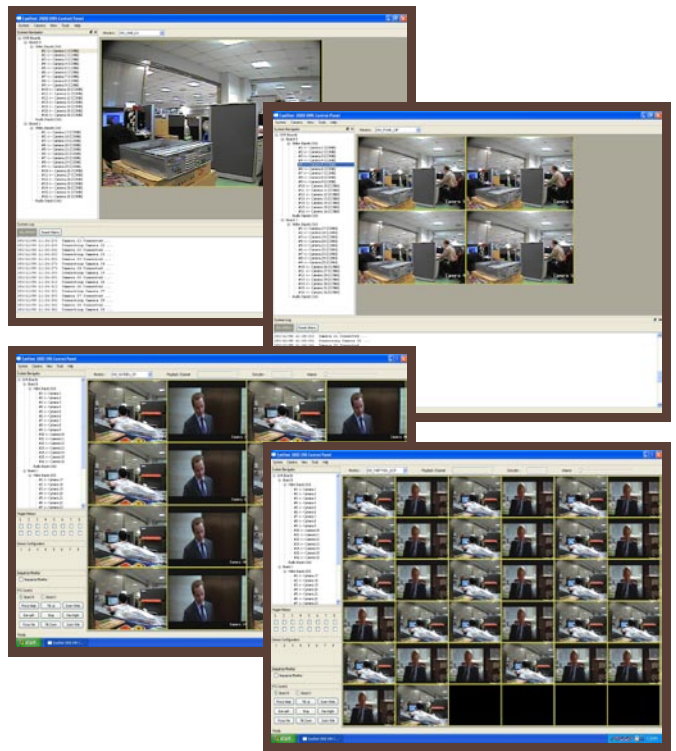
Applications

- Hybrid Mobile DVR
- Intelligent Transportation System
- Industrial Surveillance
- Video Broadcasting
- Video Surveillance
- Video Analytics
- Video on Demand



FEATURE	DESCRIPTION			
Form Factor	Fanless Embedded System			
Platform	Processor	Intel Atom processor N270, 1.6GHz		
	Chipset	Intel 945GSE + ICH7M		
	FSB	400/533MHz FSB		
	BIOS	AMI BIOS 16Mbit Flash ROM		
H.264 Video	Compression	H.264/AVC		
	Video Input	4 x BNC inputs CVBS 1.0Vp-p, with 75 ohm loading for video input		
	Resolution	4 channel Full D1 720 x 480 NTSC, 720 x 576 PAL		
Audio	Frame Rate	NTSC: 120FPS / PAL: 100FPS		
	Compression	1 channel G.711		
Memory	Technology	DDRII 400/533 SDRAM		
	Onboard	1GB DDR2 IC		
	Max Capacity	2GB		
	Expansion	1 x 200-pin SO-DIMM slot, supports 256MB, 512MB, 1GB		
Audio/Video Inputs	Video	4 channel video inputs via BNC connectors		
	Audio	1 channel audio input via RCA connector		
OS Support	Linux, Windows			
Storage	Interface	SATA II x 1, CF x 1		
	Bay	1 x 2.5" HDD bay		
Graphics	Integrated Intel graphics core Gen 3.5			
Super I/O	Winbond W83627			
Networking	1 GbE NIC			
	BNC	4 port BNC connectors for video input		
	RCA	1 port RCA connector for audio input		
	USB 2.0	4 ports		
	Serial	2 x high speed UARTs		
	VGA	D-Sub 15 pin VGA port (1920 x 1080)		
	HDMI	1 HDMI port (2048 x 1536)		
	LAN	1 RJ45 GbE LAN port		
I/O Connectors	Audio	Mic In, Line Out		
	One RS-485 for PTZ, 4 alarm-input and 2 relay-output			
	Alarm Relay and PTZ	Temperature	Monitors CPU and chassis environment with trip sensors	
		PC Health Monitoring	Power On LED (Green)	
			LAN Activity LED (Yellow)	
	HDD Activity (Yellow)			
	LED	(Optional) GPS, 3G, WiFi communication module		
Wireless		Communication Board		
Buttons	Power Switch			
	Reset Button			
Power	Input	2 pin Phoenix connector		
	Input Voltage	DC in jack		
	Operating Temperature	DC 10~36V, up to 5 AMP		
Environmental Parameters	Storage	0° to 45°C		
	Relative Humidity	-20° to 70°C		
	Relative Humidity	5% to 95%		
Software	Application	EyeShot 2000 Control Panel (Windows XP)		
	SDK	Linux, Windows		
Approvals & Compliance	CE			
	FCC Class A			
	RoHS			
Ordering Information	VW-1104	Fanless Intel Atom Embedded System with H.264 H/W codec, 4 channel video and 1 channel audio		
	VW-1104WG	Fanless Intel Atom Embedded System with H.264 H/W codec, 4 channel video and 1 channel audio, GPS + 3G + WiFi communication board		

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.

Contact information

Lanner Electronics Inc
7F, 173, Section 2 Datong Road
Sijhih City, Taipei County 221, Taiwan

T +886 2 86926060
F +886 2 86926101
E sales@lannerinc.com
W www.lannerinc.com



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Lanner
creating value in applied computing