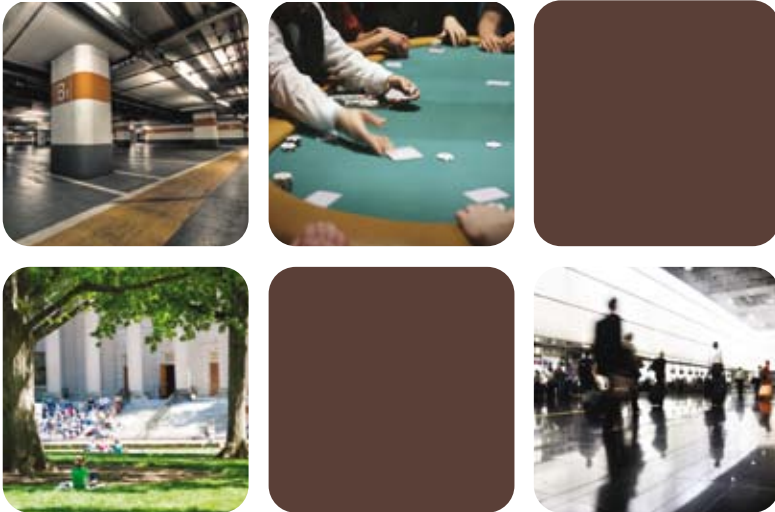


# LEC-5520

## 4 Channel H.264 AVC Wireless Mobile Video System

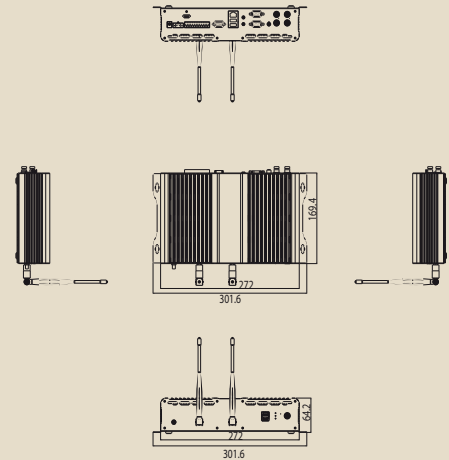


### Features

- Intel Atom N270 CPU 1.6GHz
- 4-channel full D1 video encode
- H.264 AVC hardware encode
- Supports NTSC and PAL video input
- One internal 2.5" HDD bay and one CF socket
- Up to 2GB DDR2 400/533 MHz SDRAM
- 4 alarm-input and 2 relay-output
- 1 RS485, 12V/1Amp DC output
- 1 Gigabit Ethernet
- Wireless communication capability



### MECHANICAL DRAWING



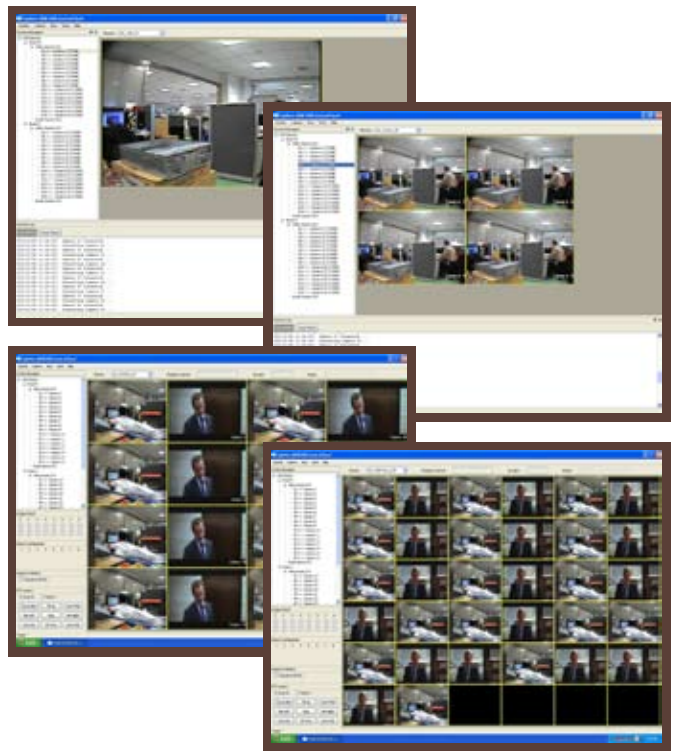
### Applications

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



FEATURE	DESCRIPTION		
<b>Form Factor</b>	Fanless Embedded System		
<b>Platform</b>	Processor	Intel Atom processor N270, 1.6GHz	
	Chipset	Intel 945GSE + ICH7M	
	FSB	400/533MHz FSB	
	BIOS	AMI BIOS 16Mbit Flash ROM	
<b>H.264 Video</b>	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	
	Frame Rate	720 x 480 NTSC, 720 x 576 PAL NTSC: 120FPS / PAL: 100FPS	
<b>Audio</b>	Compression	1 channel G.711	
<b>Memory</b>	Technology	DDRII 400/533 SDRAM	
	Onboard	1GB DDR2 IC; Maximal 2GB	
	Expansion	1 x 200-pin SO-DIMM slot, supports 256MB, 512MB, 1GB DIMM	
<b>Audio/Video Inputs</b>	Video	4 channel video inputs via BNC connectors	
	Audio	1 channel audio input via RCA connector	
<b>OS Support</b>	Linux, Windows		
<b>Storage</b>	Interface	SATA x 1, CF x 1	
	Bay	1 x 2.5" HDD bay	
<b>Graphics</b>	Integrated Intel graphics core Gen 3.5		
<b>Networking</b>	1 GbE NIC		
<b>Wireless</b>	3G	HSUPA, HSDPA, WCDMA, E-GPRS and GSM	
	Wi-Fi	802.11 B/G/N with 3dbi SMA antenna	
	GPS	NMEA-0183 V2.2 with 3 meters SMA antenna	
	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	
<b>I/O Connectors</b>	VGA	D-Sub 15 pin VGA port (2048 x 1536)	
	HDMI	1 HDMI port (1920 x 1080)	
	LAN	1 RJ45 GbE LAN port	
	Audio	Mic In, Line Out	
	<b>Alarm Relay and PTZ</b>	One RS-485 for PTZ, 4 alarm-input and 2 relay-output	
	<b>PC Health Monitoring</b>	Temperature	Monitors CPU and chassis environment with trip sensors
<b>LED</b>	Power On LED (Green)		
	LAN Activity LED (Yellow)		
	HDD Activity (Yellow)		
<b>Buttons</b>	Power Switch		
	Reset Button		
<b>Power</b>	Input	2 pin Phoenix connector and DC-In jack	
	Input Voltage	DC 10~36V, Min. power is 45Watt	
	Output Voltage	DC 12 V / 1Amp via the terminal block	
<b>Environmental Parameters</b>	Operating Temperature	0° to 45°C	
	Storage	-20° to 75°C	
	Relative Humidity	5% to 95%	
<b>Software</b>	Application	EyeShot 2000 Control Panel (Windows XP)	
	SDK	Linux, Windows	
<b>Approvals &amp; Compliance</b>	CE		
	FCC Class A RoHS		
<b>Ordering Information</b>	LEC-5520	Fanless Intel Atom Embedded System with H.264 H/W codec, 4 channel video, 1 channel audio and build-in GPS barebone	
	Optional	3G modules : Bandrich M250 / Sierra MCP8790 / Qualcomm Gobi2000	
		802.11 b/g/n USB dongle	

## EYESHOT 2000 CONTROL PANEL



### Software Features

- Recording and playback
- Motion Detection
- Video Loss Detection
- P/T/Z control
- Night Detection
- RAW Data Preview

### SDK Features

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

### SDK OS Support

- Windows XP
- Linux: Ubuntu, Fedora, CentOS

### 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