

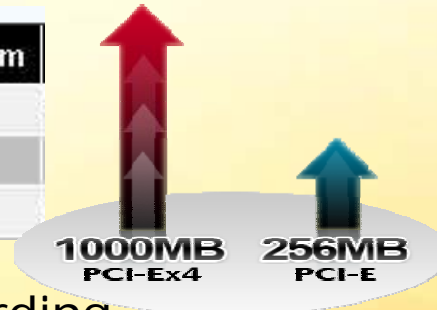
# NV8416 *E4*

Selling Point Introduction

# Matchless Specification - I

- PCI-e x4 Interface
  - World No.1 PCI-e x4 interface capture card for faster data streaming
  - 512 MB/s data stream bandwidth is 4 times bigger than PCI and 2 times bigger than PCI-E x1 interface
  - Ensured video data transmission without data loss

PCI Express Lines	Bandwidth per Stream
1	256 MB/s
2	512 MB/s
4	1 GB/s



- 16 Channel D1 Real-Time Recording
  - True D1 resolution real-time recording for all 16 channels
- 1280x960 Live Video Resolution
  - Best of the industry 1280x960 resolution for preview image allow you to see clear detail even in multiple channel split



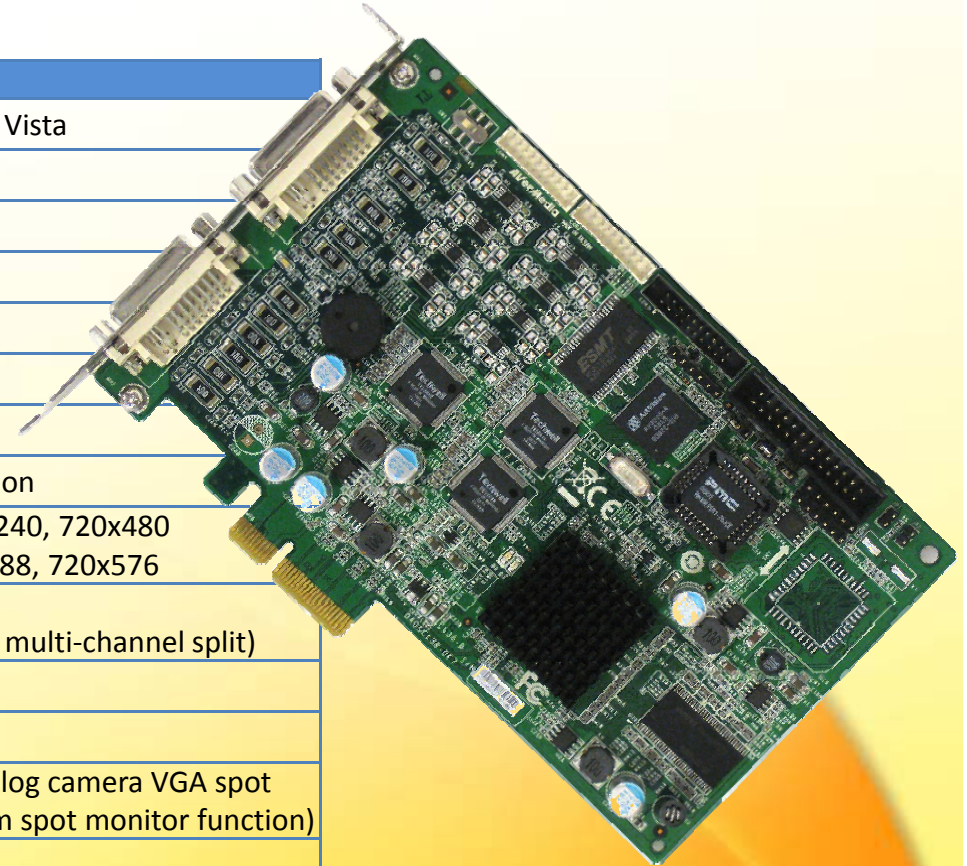
# Matchless Specification - II

- VGA Spot Monitor Output
  - Extra VGA output to serve as spot monitor
  - Multi-quad support for VGA spot monitor poutput
  - Integrated with Advanced alarm management feature for Alarm spot monitor
- Hybrid Solution
  - Support most major brands IP camera with continuous IP camera support live update
  - Hybrid VGA spot monitor output support for IP or analog camera
- Advanced software features of AVerDiGi NV system
  - Distinguishable features such as intelligent video analytics, mobile and PDA device remote monitoring, CMS center, alarm system, and more



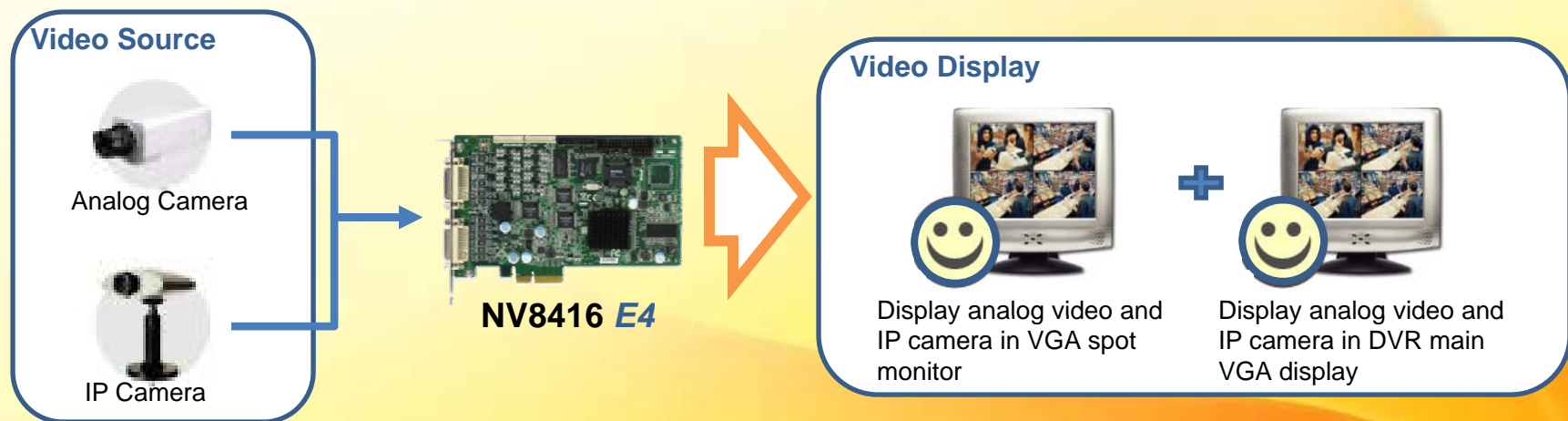
# Product Specification Table

Product Model	NV8416E4
Operating System	Windows XP, Windows Vista
PC Interface	PCI_E x4
Dimension	10.5 x 16.5 (cm)
Video Input	16
Audio Input	16
Audio Output	1
Video Format	MPEG4, H.264
Compression Mode	Software Compression
Video Resolution (full de-interlace filter)	NTSC:352x240, 640x480, 720x240, 720x480 PAL:352x288, 640x480, 720x288, 720x576
Display Rate fps (N/P)	480/400 (D1 for single view and 1280x960 for multi-channel split)
Recording Rate fps (N/P)	480/400 (D1)
Sensor Input/ Relay	4/4
Spot Monitor Output	VGA Output (Support IP camera or analog camera VGA spot monitor output with multiplexer and alarm spot monitor function)
Watchdog	YES



# Outstanding Hybrid Support

- Free of charge IP camera support for flexibility between analog and IP camera
- Support most major brands IP camera
- On demand IP camera support integration based on your project request
- IP camera module live update to acquire latest support anytime and anywhere
- Unique hybrid spot monitor output function to show IP camera video by VGA output



# High Flexibility For System Integration

- POS system integration
  - Support various POS machine protocol by RS232 or RJ45
  - Advanced POSViewer for data retrieve and easy playback
  - Able to integrate your POS machine on demand
- Access control system integration
  - Compatible with AVerDiGi Access Control solution for seamless surveillance need
- Client SDK/OCX support for creating your own unique application
  - Full function SDK and OCX support for you to develop your own unique application easily

# Advanced VGA Spot Monitor Output

- Configurable multi-quad VGA spot monitor output
  - Flexible 1, 4, 8, 9, 13, and 16 split VGA output video on your demand
- Unique hybrid VGA spot monitor output
  - Support IP camera or Analog camera VGA output
- Integrated spot monitor output with alarm system
  - Configurable spot monitor output to serve as an alarm action
- Compatible with AVerDiGi Display21 for multi-quad and alarm spot monitor output
  - 5 configurable multi-quad spot monitor TV output
  - 16 loop-through spot monitor TV output



# Complete Network Ability

- Multiple video stream for network transmission
  - Configurable multiple video stream with different video quality and frame rate for different remote application
- Complete Remote Software Support
  - PDAViewer
    - Allow PDA to view live image / playback / control PTZ / Control IO
  - JAVAViewer
    - Allow Symbian smart phone or smart phone with JAVA2.0 support to view live image / control PTZ
  - SmartViewer
    - Allow general smart phone to view live image stream
  - HandyViewer
    - Allow mobile with network accessibility to view image snapshot of DVR
  - Professional CMS software - CM3000
    - Suitable for large scale surveillance requirement
    - Support 1, 2, 3, or 4 monitors environment
    - Instant alarm notification, event search, and many other alarm management tools for you to control all remote DVR efficiently
    - Remote configure and control client DVR



# Complete Accessory Support

- POS Box
  - Allow you to combine your POS data with DVR image perfectly
- External IO Box
  - Support up to 96 I/O devices installation for your DVR
- AVerDiGi System Controller
  - Support Preview, Playback, Emap, PTZ, Dialog Box operation of DVR
- Ethernet support for AVerDiGi External I/O Box
  - Connect to remote external I/O box via network connection
- Display 21
  - Support 5 multi-quad and 16 loop-through spot monitor display
- Other total solution accessories
  - eSATA&485, TV2VGA, USB2RS232, USB2Net and more



# Hardware Recommendation

- It's highly suggested to use no lower than below PC specification if you want to achieve 16 channels D1 real-time recording

Item	Spec
Motherboard	Suggested motherboard in our website*
CPU	Core2Quad Q66002 2.4Ghz
RAM	2G
VGA card	Independent VGA card with 256MB ram
PSU	350W

\* You can log onto our website to check suggested motherboard list  
<http://www.avermedia.com/AVerDiGi/Product/Products.aspx?CID=5>

- If you encounter any problems during installation or operation, feel free to contact our technical support for further information.

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