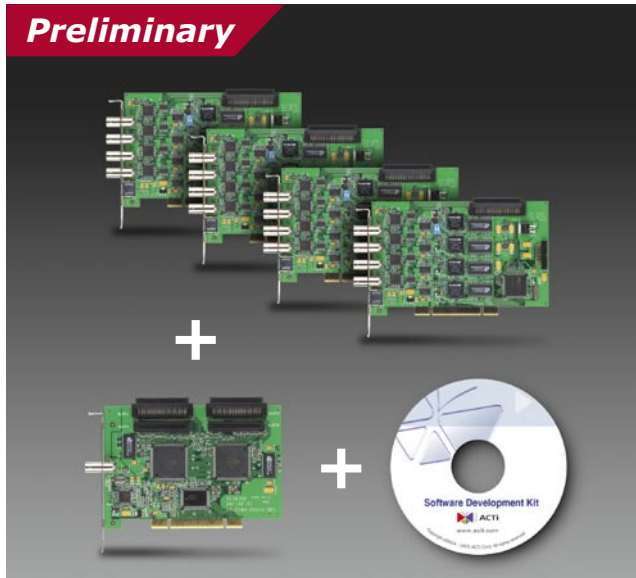




nDVR Development Kit for Hybrid nDVR Solution

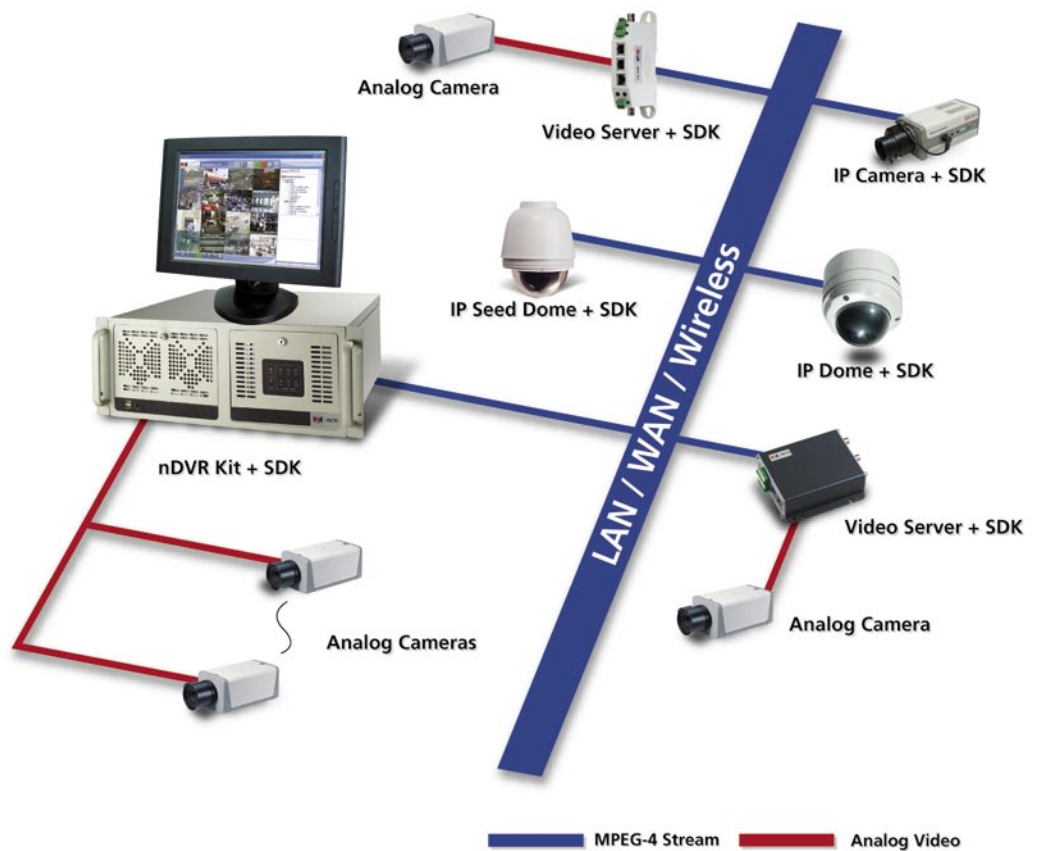
# nDVR Development Kit

**Preliminary**



- Easy to integrate into video surveillance applications
- Visual C, C++, Visual BASIC and JavaScript support
- ActiveX control edition
- Maximum 16-channel video and audio inputs
- Maximum 16-channel live preview at the same time
- MPEG-4 ASP compliant hardware compression
- CIF up to Full D1 resolution at 30/25 FPS
- Digital time code embedded
- Windows WDM driver (DirectShow Filter Supported)
- Video signal loss detection
- Hardware motion detection
- Blind camera detection

## nDVR Solution





# nDVR Development Kit

## PRODUCT SPECIFICATION

Compression	MPEG-4 ASP compliant hardware compression	Recording	Background recording, alarm recording, pre-event and post-event recording
Resolution	QCIF (NTSC: 160 x 112, PAL: 176 x 144) CIF (NTSC: 352 x 240, PAL: 352 x 288) Full D1 (NTSC: 720 x 480, PAL: 720 x 576)	Playback	MPEG-4 decoding and display
Image Frame Rate	30 fps at full D1 resolution (NTSC) 25 fps at full D1 resolution (PAL)	Motion Detection	Callback function supported when a motion detected
Video Input	Composite, BNC connector	Digital I/O Event	Callback function supported when a digital input is triggered
Video Output	Composite, BNC connector x1	Serial Port Function	Sends serial port command
Audio Output	Unbalance audio, RCA connector	PTZ Function	Pelco-P and Pelco-D protocol sample code included
PCI Interface	PCI 2.1 compliant	Others	1. Digital time-code embedded 2. Windows WDM Driver (DirectShow Filter supported) 3. Video signal lose detection 4. Motion detection 5. Video loss and blind camera detection 6. VGA and TV output support
Device Driver	Driver supports Windows 2000, Windows XP and Windows 2003		
Programming Languages	Visual C++ v6.0, Visual Studio.Net, Visual Studio.Net 2003, Visual BASIC v6.0, Visual BASIC.Net, HTML + JavaScript		
Live Preview	Streaming and decode MPEG-4 information		

## System Requirement

CPU	Pentium IV 2.8 GHz and above	Display	AGP 8X with 64 MB memory and above
PCI Slots	5 (32bit/33Mhz PCI slot) for maximum load (PCI-4100 x4 + PCI-6100 x1)	Hard Disk	40 GB and above
System Memory	512 MB	Power Supply	ATX 300 W
Network Connection	1 Gbps Ethernet		

\* Detail qualified vender list is provided upon request. Please contact your sales representatives for more detial informaiton.

## Integration Test

Power Push-Button (Manual-mode ; count = 50)

PCI-4100 Video-in Plug-in / Pull-out (Manual-mode ; count = 50)

Reset Functional (Manual-mode ; count = 50)

Network Connection: 1 Gbps Ethernet

NTSC Video-in (BNC-type) Interface Functional Test

PAL Video-in (BNC-type) Interface Functional Test

Digital I/O Interface Connector Functional Test

\* Detail stress test report is provided upon request. Please contact your sales representatives for more detial informaiton.

## nDVR Kit Content

PCI-4100	4-channel MPEG-4 Video Audio Compression Card
PCI-6100	16-channels Real time Video Output Display Card (optional)
SDK-4000 / SDK-6000	nDVR SDK for PCI-4100 and PCI-6100

## ACCESSORY OPTIONS

- Digital I/O board (4-in, 4-out) DIO-1100