

[Support Package]

ID	TS-00057	Created	Dec.05, 2005
		Updated	Aug. 21, 2006
Category	Software	Sub Category	PC spec
Product	All video servers and IP cameras		
Purpose	How to select your PC according to the ACTi software?		
Support URL	http://www.acti.com/support		
Tech Support	Customer.service@acti.com		
MSN Messenger ID	Customer.service@acti.com		

[Support Package]

How to select your PC for ACTi software?

This support package tells you how to select the PC specification for ACTi software.

ACTi software includes

1. Streaming Activator
2. NVR
3. Streaming Explorer
4. Web-configurator
5. IP utility
6. Backup Wizard
7. Media Converter

You can always find their latency table at

<http://www.acti.com/support/Package/TS-00057/Latency%20Report.xls>

Software	Function								
	Preview		PTZ control		Recording & management		Maintenance & others		
	1CH	16CH	Compact	Advanced	Record	Remote Playback	IP search and mass-Deployment	Activator Settings backup	Convert recording to avi format
Streaming Activator		√	√		√ 16CH				
NVR	√				√ 64CH	√			
Streaming explorer	√			√					
Web-configurator (IE explorer)	√								
IP utility							√		
Backup Wizard								√	
Media Converter									√

Please follow the specs below to select your PC.

Index

• <i>Streaming Activator 1.36.05.02/1.37.03.04</i>	4
<i>A. Standard view mode:</i>	4
<i>B. Advanced preview mode:</i>	5
• <i>NVR 1.00.11</i>	6
• <i>Streaming Explorer</i>	7
<i>A. PC spec:</i>	7
• <i>Web-configurator</i>	7
<i>A. PC spec:</i>	7

[Support Package]

- *IP utility* 7
 - A. PC spec:* 7
- *Backup Wizard* 8
 - A. PC spec:* 8
- *Media Converter*..... 8
 - A. PC spec:* 8
- *Appendix A. How to select the HD required?* 9

[Support Package]

• Streaming Activator 1.36.05.02/1.37.03.04

Please select the spec according to the view mode and HD required.

Note: The recording fps are the same in standard or advanced preview mode.

Preview mode	Preview channel		
	1CH	4CH	More than 4CH
Advanced	Real time at each channel or according to your fps setting	Real time at each channel or according to your fps setting	1CH: Real time Others: 1fps
Standard	Real time at each channel or according to your fps setting	Real time at each channel or according to your fps setting	All Channel Real time at each channel or according to your fps setting

A. Advanced view mode:

	Streaming Activator version
	1.37.03.04
CPU	Intel Pentium-D 3.0G or above (FSB 800)
RAM	≥1 GB DDR2-667 Memory
Motherboard	945 chip set or above
VGA Display Card	ATI PCI-Express Card (128MB on board, ATI MX300 GPU)
LAN Card	10/100 Mbps (Intel Chip Set)
OS	Windows XP SP2 Windows 2000 with SP4 or above
HD	Please refer to Appendix.A for HD requirement
Video Resolution	SVGA or XGA with 1024x768 resolution, 32-bit color

[Support Package]

B. Standard preview mode:

• Streaming Activator 1.37.03.04

Number of Channel Supported	Video Settings			System Specification		
	Resolution	Frame Rate (NTSC/PAL)	Bit Rate	CPU	Pentium_D 3.0G	Pentium_D 3.2G CPU
				RAM	DDR2-667 3GB	DDR2-667 3GB
				Display	External 128MB	External 128MB
				Chipset	Intel 945	Intel 975
				HD	Please refer to Appendix A for HD required.	
D1	30/25	3 M	9ch		8ch	
	30/25	1.2 M	10ch		10ch	
	15/12	750 K	11ch		11ch	
	10/8	500 K	16ch		16ch	
	5	256 K	16ch		16ch	
	1	56 K	16ch		16ch	
CIF	30/25	750 K	16ch		16ch	
	15/12	384 K	16ch		16ch	
	10/8	256 K	16ch		16ch	
	5	128 K	16ch		16ch	
	1	28 K	16ch		16ch	

• Streaming Activator 1.36.05.02

Number of Channel Supported	Video Settings			System Specification			
	Resolution	Frame Rate (NTSC/PAL)	Bit Rate	CPU	Pentium_4 2.8G	Pentium_4 3.2G CPU	Pentium_D 3.0G
				RAM	DDR2 400	1GB DDR2 400	2GB DDR2 533
				Display	Onboard 96MB	External 128MB	External 128MB
				FSB	800Mhz	800Mhz	800Mhz
				HD	Please refer to Appendix A for HD required.		
D1	30/25	1.5 M	6ch		8ch	12ch	
	15/12	750 K	12ch		14ch	16ch	
	10/8	500 K	16ch		16ch	16ch	
	5	256 K	16ch		16ch	16ch	
	1	56 K	16ch		16ch	16ch	
CIF	30/25	750 K	16ch		16ch	16ch	

[Support Package]

	15/12	384 K	16ch	16ch	16ch
	10/8	256 K	16ch	16ch	16ch
	5	128 K	16ch	16ch	16ch
	1	28 K	16ch	16ch	16ch

• NVR 1.00.11

For NVR, the PC requirement for different Channels is different. Please see table below for NVR PC spec and their respective performance.

PC Spec	Channel supported	16~32		32~64			
		Recording Channel		Recording Channel			
		16CH	32CH	16CH	32CH	48CH	64CH
CPU		Pentium D 3.0GHz		Pentium D 3.2GHz			
ChipSet		Intel 945 Chipset		Intel 975 Chipset			
RAM		DDR2-677 3GB		DDR2-677 3GB			
		Recording Channel		Recording Channel			
CPU performance	3M	33%	48%	30%	46%	55%	68%
	1.2M	18%	33%	16%	28%	40%	43%

[Support Package]

• Streaming Explorer

A. PC spec:

CPU	Intel Pentium-4 2.4G or above (FSB 533)
RAM	≥512MB DDR2-400 Memory
Motherboard	865 chip set or above
VGA Display Card	ATI PCI-Express Card (128MB on board, ATI MX300 GPU)
LAN Card	10/100 Mbps (Intel Chip Set)
OS	Windows XP SP2 Windows 2000 with SP4 or above
Video Resolution	SVGA or XGA with 1024x768 resolution, 32-bit color

• Web-configurator

A. PC spec:

CPU	Intel Pentium-4 2.4G or above (FSB 533)
RAM	≥512MB DDR2-400 Memory
Motherboard	865 chip set or above
VGA Display Card	ATI PCI-Express Card (128MB on board, ATI MX300 GPU)
LAN Card	10/100 Mbps (Intel Chip Set)
OS	Windows XP SP2 Windows 2000 with SP4 or above
Video Resolution	SVGA or XGA with 1024x768 resolution, 32-bit color

• IP utility

A. PC spec:

CPU	Intel Pentium-4 2.4G or above (FSB 533)
RAM	≥512MB DDR2-400 Memory
Motherboard	865 chip set or above
VGA Display Card	ATI PCI-Express Card (128MB on board, ATI MX300 GPU)
LAN Card	10/100 Mbps (Intel Chip Set)
OS	Windows XP SP2 Windows 2000 with SP4 or above

[Support Package]

• Backup Wizard

A. PC spec:

CPU	Intel Pentium-4 2.4G or above (FSB 533)
RAM	≥512MB DDR2-400 Memory
Motherboard	865 chip set or above
VGA Display Card	ATI PCI-Express Card (128MB on board, ATI MX300 GPU)
LAN Card	10/100 Mbps (Intel Chip Set)
OS	Windows XP SP2 Windows 2000 with SP4 or above

• Media Converter

A. PC spec:

CPU	Intel Pentium-4 2.4G or above (FSB 533)
RAM	≥512MB DDR2-400 Memory
Motherboard	865 chip set or above
VGA Display Card	ATI PCI-Express Card (128MB on board, ATI MX300 GPU)
LAN Card	10/100 Mbps (Intel Chip Set)
OS	Windows XP SP2 Windows 2000 with SP4 or above

[Support Package]

• AppendixA. How to select the HD required?

The HD required is dependent to your recording needs. Below is a table for “HD required at different bit rate for different period of time”.

Recording Requirement	Video Settings			Time Frame										
	Resolution	Frame Rate		Bit Rate	1 sec		1 day		14 days		30 days		60 days	
		NTSC	PAL											
D1	30	25	1.5 M	187.5 K	16.2 G	226.8 G	486.0 G	972.0 G						
	15	12	750 K	93.8 K	8.1 G	113.5 G	243.1 G	486.3 G						
	10	8	500 K	62.5 K	5.4 G	75.6 G	162.0 G	324.0 G						
	5	5	256 K	32.0 K	2.8 G	38.7 G	82.9 G	165.9 G						
	1	1	56 K	7.0 K	0.6 G	8.5 G	18.1 G	36.3 G						
CIF	30	25	750 K	93.8 K	8.1 G	113.5 G	243.1 G	486.3 G						
	15	12	384 K	48.0 K	4.1 G	58.1 G	124.4 G	248.8 G						
	10	8	256 K	32.0 K	2.8 G	38.7 G	82.9 G	165.9 G						
	5	5	128 K	16.0 K	1.4 G	19.4 G	41.5 G	82.9 G						
	1	1	28 K	3.5 K	0.3 G	4.2 G	9.1 G	18.1 G						