



IP CAM SECURE Minimum Hardware Requirement

This document helps you to calculate the hardware requirement for IP CAM SECURE. The requirement specified in this document is the minimum requirement indicated for the desire system.

FCS-8004/8005/8006 alone

CPU	Intel Core 2 DuoE5300
RAM	2 GB
Motherboard	Intel P45 or P43 chip or above, MB vendor Asus, Gigabyte or MSI with Intel Chipset recommended
Display card	ATI Radeon 4650 , nVIDIA GeForce GF-9600 or above (ATI recommended)
Ethernet	100 baseT or above, gigabit LAN recommended
Hard Disk	250 GB or above
OS	MS Windows XP pro SP3 / 2003 / Vista SP1/ Win 7

For IP Camera alone

Parameter definitions:

$$S = M * N$$

M: parameter of resolution of IP camera

Resolution	5 M	3 M	2 M	1 M	VGA / D1	CIF
Value of M	37	27	22	14	3	1

N: FPS of Camera

For example: 8 channels system

- a) 1 camera at 1 Mega-pixel resolution with 10FPS
- b) 2 cameras at D1 resolution with 15FPS
- c) 5 cameras at CIF resolution with 30FPS

a) $M=14; N=10, S=14*10=140$

b) $M=3; N=15, S =3*15=45$

c) $M=1; N=30, S =1*30=30$

S of All Cam. = $1*140+2*45+5*30=380$

Therefore, the Minimum Hardware Requirement is A level.

S of all cam.	D	C	B	A
	2200~1400	1400~1050	1050~550	550~
CPU	Intel Core I7	Intel Core I5	Intel Core 2 Quad Q9400	Intel Core 2 Duo E5300
RAM	2 GB	2 GB	2 GB	1 GB
Motherboard	Intel 55 or 57 chip or above, MB vendor Asus, Gigabyte or Intel with Intel Chipset recommended		Intel 35 or 33 chip or above, MB vendor Asus, Gigabyte or Intel with Intel Chipset recommended	
Display card	ATI Radeon 4650 , nVIDIA GeForce GF-9600 or above (ATI recommended)			
Ethernet	100 baseT or above, Gigabit LAN recommended			
Hard Disk	250 GB or above			
OS	MS Windows XP pro SP3 / 2003 / Vista SP1/ Win 7			

Mix of IP Camera and FCS-8004/8005/8006

Parameter definitions:

$S = M * N + P$

M: parameter of resolution of IP camera

Resolution	5 M	3 M	2 M	1 M	VGA / D1	CIF
Value of M	37	27	22	14	3	1

N: FPS of Camera

P: parameter of FCS-8004/8005/8006

Card	FCS-8004/8005	FCS-8006
Value of P	60	120

For example: 16 channels system

- a) 1 camera at 1 Mega-pixel resolution with 10FPS
- b) 2 cameras at D1 resolution with 15FPS
- c) 5 cameras at CIF resolution with 30FPS
- d) 8 cameras with 2pcs FCS-8004

a) $M=14; N=10, S = 14 * 10 = 140$

b) $M=3; N=15, S = 3 * 15 = 45$

c) $M=1; N=30, S = 1 * 30 = 30$

d) $P=60$

S of All Cam. = $1 * 140 + 2 * 45 + 5 * 30 + 2 * 60 = 500$

Therefore, the Minimum Hardware Requirement is A level.

S of all cam.	D	C	B	A
	2200~1400	1400~1050	1050~550	550~
CPU	Intel Core I7	Intel Core I5	Intel Core 2 Quad Q9400	Intel Core 2 Duo E5300
RAM	2 GB	2 GB	2 GB	1 GB
Motherboard	Intel 55 or 57 chip or above, MB vendor Asus, Gigabyte or Intel with Intel Chipset recommended		Intel 35 or 33 chip or above, MB vendor Asus, Gigabyte or Intel with Intel Chipset recommended	
Display card	ATI Radeon 4650 , nVIDIA GeForce GF-9600 or above (ATI recommended)			
Ethernet	100 baseT or above, Gigabit LAN recommended			
Hard Disk	250 GB or above			
OS	MS Windows XP pro SP3 / 2003 / Vista SP1* / Win 7*			