

## Features

### VGuard Hardware Specification

1	VGuard Product	VG4C-RT4		VG8C-XP-TV		VG4C-XP-V	
2	Video In (BNC)	4		8		4	
	Audio In (RCA)	4		2		2	
3	Max. Recording/Monitoring Speed (Frame/second:fps)	NTSC	PAL	NTSC	PAL	NTSC	PAL
	1channel	30	25	25	30	25	30
	4channels	120	100	80	67	60	50
	8channels	240	200	160	133	120	100
	16channels	480	400	320	266	240	200
4	Max. Resolution(pixels)	640x480	704x576	640x480	704x576	640x480	704x576
5	HQ(High Quality Recording)	--		--		Supports 4 channels	
6	TV Monitor Output	--		Selection of 1/4/8 channels display		--	
7	Compression Technology	H.264		SMICT (Super Motion Image Compression Technology) Background and Foreground Separation Compression Technology			
		Hardware Real Time compression		Software + Hardware Compression			
8	Image Compression Rate	Dynamic Compression Rate = 40 : 1 ~ 240 : 1 (Automatic changes depends on the image's moving situation) Average Dynamic Compression rate = 40 : 1 ~ 2400 : 1					
9	Image Motion Detection	Depends on the movement of detected images to activate recording and image compression, and to trigger the alarm function.					
10	Watch dog	Automatically restarts the computer and run Chateau program at the set time when the system crashed.					
11	I/O Functions	8 I/O controlling ports. (TTL Compatible Signal)					

### CHATEAU Software Functions

1	Software Name	VG4C-RT4	VG8C-XP-TV / VG4C-XP-V
		ChateauRT4	ChateauXP
2	Recording Mode	Recycle recording mode, Program recording mode (Schedule recording per each camera), Detection area alarm triggering recording and alarm mode.	
3	Auto Scan	Under Recording or monitoring mode, automatic enlargement of each camera image each time for better monitoring. Other cameras still under recording mode.	
4	Number of saving Hard disk	Support all hard disks plugged in the computer	
5	Alarm Functions	Recycle recording mode, Program recording mode (Schedule recording per each camera), Detection area alarm triggering recording and alarm mode.	
6	Alert Alarm	Each Camera can be self-defined: Sound Alert (support self-recorded) and its alarm sound, activate recording, changing recording speed, snapshot, remote alert (real time image transmission, phone or mobile phone sound alert, pager number alert)	
		Support E-Mail alert (Transmission of pictures and images)	
		Pre-Alarm Function : Record the images before motion image activate recording.	
7	Alarm Log	Record the alarm activated time. And to playback the images by choosing the recorded time directly.	
8	Multi-task Capability	Recording, playback, remote monitoring and image viewing at the same time.	
9	Audio Recording (Synchronize with Video Recording)	24Kbps ADPCM Recording mode	24K bps ADPCM Audio Recording Mode. Also support mic-in recording on the sound card
10	Image Files Research	Can be searched by time, date, host name and alarm log mode.	
11	Individually confidential function for each recorded image	Each camera can set screen confidentiality individually to hide the camera at some important points. System supervisor can set the needs and authorizations for different users for local or remote uses and monitoring for confidential purpose.	
12	PTZ/Dome Functions	By using RS422/RS485 for direct control of the dome to move up, down, left, right, zoom in/out, iris and focus, preset point setting and control, auto pan function, and the cruise function	
13	I/O Function	By using RS422/RS485/VGIO to provide multi input sensor /output port for I/O control	
14	E-Map	Provide controllable e-map to locate the cameras	
15	Trigger/Camera Location/Capture	Combine the sensor input trigger alarm function with Dome's preset point to capture alarm images.	
16	Live Audio monitoring, two way intercommunication	ChateauRT4/IV/RT (Any One channel from 16 channels) ChateauXP (Any One channel from 8 channels)	Support live monitoring and two-way intercommunication.
17	Operating System	Windows 2000/XP	
18	Remote Only Version	Support Windows 2000/XP/NT/98/ ME Remote Monitoring ChateauRT4/ChateauXP/ChateauIV	
19	Watermark	--	ChateauXP
20	Webcam Function	Users can perform the remote using IE browser	

### . Net Virtual Central Integrate System

1	Remote control transmission	PSTN, LAN, Internet, Intranet (Transmission speed is depends on the number of transmission images and its signal condition)
2	Remote monitoring functions	Remote access and record the live images from the other host system and the remote site can also record images. Can also remote control PTZ, Output Port and to set the remote alarm detective area, recording snapshot, activate or inactive the alarm.
3	Network Functions	Through LAN or Internet to monitor simultaneously remote systems. Also provide one to more and more to one monitoring function.
		By using Server to Server functions through the Static IP (No need for 2 network cards) for each end of ChateauServer(s), it can then remote monitor the virtual IP to Virtual IP from different network (Under Router or IP sharer). Can remote simultaneously more than one system, and also support more to more remote monitoring functions. Support Dynamic DNS.
4	My Channels	Can monitor (monitoring and recording) multi hosts simultaneously to the same computer screen. Can also split the cameras in different systems into different pages.