

## Comparison between normal DVR system and mobile surveillance CCTV system

No.	Description	DVR System	Mobile Surveillance CCTV system	Remarks
1.	Type of System	Normally PC base or proprietary OS.	RISC hardware, RTOS, Linux OS	Linux and RTOS operating system are known for its stability. Less prone to virus attack and system hangs.
2.	Type of Architecture	Centralized	Distributed or Centralized	Scalability and flexibility is better than DVR system
3.	Video Input	4 or 16	Unlimited	Easy to adjust configurations. Server comes with 1,2,4,6 video input.
4.	Disk backup	Limited	Unlimited. Allows multiple remote site recording. Provide redundancy in case of hard disk failure	FW system provides the flexibility with its Network Storage Server. Manager software able to record on any disk drives or network drives, enhance data redundancy.
5.	User application with IE, Netscape	Very inconvenient. DVR uses their own browser or application which requires program installation on computer	Comes with recording software via IE web browser. Also supports other OS e.g. Mac, Unix and Linux OS using Java Applet.	FW provides software which has various functions on IE and Netscape.
6.	Web Support	Very inconvenient	Very convenient	Good scalability for web application.
7.	System scalability	Centralized. Very inconvenient	Distributed. Supports from small system to large system.	Easy to expand system. Runs on TCPIP network infrastructure.
8.	Installation and maintenance	Complicated. Most DVR is PC base.	Simple and user friendly.	All installation and system maintenance can be done from network.
9.	Supports Dynamic IP	Some can support but mostly don't support.	Support fix and dynamic IP	Using the AOIP (Always ON IP) server which is able to display or access all registered server status whether it is online or offline.
10.	Selective Monitoring	Limited	Supported. Can assign individual camera based on user id.	Only authorized person with password will be able to monitor.
11.	Central Monitoring	Only available at local site system.	Support all products such as video servers and IP Cameras	Able to view multiple video servers or cameras of various location from 1 single software over TCP/IP network, comes with recording function.
12.	Remote monitoring over mobile phone	No supported	Telco supported.	System is fully compatible with Maxis Surveillance Service which allows live video streaming direct to mobile phones.
13.	Subscription cost for mobile monitoring	Very costly even if supported. Based on per kb/mb file size download.	Very cheap and one fix cost with unlimited viewing or download.	Maxis Surveillance Service is available at only RM20 per line for 30 days subscription inclusive of GPRS data charges.