

**Embedded DVR Products
Spec. Comparison sheet**
MPEG 4



ITEM		DESCRIPTION		DESCRIPTION		DESCRIPTION		DESCRIPTION		DESCRIPTION			
VIDEO SIGNAL	Television System	NTSC	PAL	NTSC	PAL	NTSC	PAL	NTSC	PAL	NTSC	PAL		
VIDEO FEATURES	Live (Real time display)	480f/s display with 16ch	400f/s display with 16ch	240f/s display with 8ch	200f/s display with 8ch	120f/s display with 4ch	100f/s display with 4ch	480f/s display with 16ch	400f/s display with 16ch	240f/s display with 8ch	200f/s display with 8ch		
	Zoom	2 times digital											
	Sequence	Sequence display in Full size, 4 pages with quad split, 2 pages with 9 split											
	Display Format	1 screen(full), Quad pages split, 9 split, 16 split		1 screen(full), Quad pages split, 9 split		1 screen(full), Quad pages split		1 screen(full), Quad pages split, 9 split, 16 split		1 screen(full), Quad pages split, 9 split			
	Camera Video enhance	Brightness, Contrast control for each Camera											
AUDIO	VGA out control	Brightness, Contrast, saturation											
	G.723	16ch Input / 1ch Output		8ch Input / 1ch Output		4ch Input / 1ch Output		8ch Input / 1ch Output		4ch Input / 1ch Output			
RECORD	Recording Speed	480 IPS/CIF	400 IPS/CIF	240 IPS/HD1	200 IPS/HD1	120 IPS/D1	100 IPS/D1	480 IPS/CIF	400 IPS/CIF	240 IPS/HD1	200 IPS/HD1		
	Recording resolution	720x480, 720x240, 360x240 (NTSC) / 720x576, 720x288, 360x288 (PAL)											
	Codec	Mpeg4											
	Recording	Timer, Motion, Alarm, Manual individually set											
	Pre, Post record	1 ~ 30 sec											
SEARCH	Material	4 HDD(Auto over write)				1 HDD(Auto over write)							
	Manual, Timer, Motion, Alarm, Each Camera, All Camera	Fast x128, Slow, Forward, Reverse, Image by image											
BACKUP	DVD r/w, CD r/w, HDD, Stick memory, Network	Each Camera, ALL Camera, Time range with AVI											
Recorded data Lock	Data protect in overwrite HDD	Time range, Back up											
USER INTERFACE	GUI	RGB 24bit full color											
	Operating interface	Mouse, Keypad, IR remote controller, Network											
	Jog shuttle	Jog shuttle in front panel								X			
	Operating Help												
Language	Multi language	English, Chinese, Japanese, Russian, Finnish, Spanish, Portuguese, German, Korean											
NETWORK	Ethernet 10/100M Auto	TCP/IP, DHCP, DDNS, SMTP, MNS server											
PC Program	Remote Viewer	Same as DVR monitoring and control (Mouse or Key button)											
	CMS	Same time 64 site connect and control, 2048 site grouping											
	PC Player	DVD, CD, external HDD, USB memory, pc HDD (Replay, AVI convert, Copy, Print)											
Communication	2way Audio	PC and DVR											
USB	USB 2.0	DVD r/w, CD r/w, HDD, Stick memory											
SERIAL	RS485	16 camera Pan/Tilt, Remote control		8 camera Pan/Tilt, Remote control		4 camera Pan/Tilt, Remote control		16 camera Pan/Tilt, Remote control		8 camera Pan/Tilt, Remote control			
ALARM	Alarm Inputs	16 Inputs		8 Inputs		4 Inputs		16 Inputs		8 Inputs			
	Alarm Outputs	4 Relay Output(3A max)		4 Relay Output(3A max)		4 Relay Output(3A max)		1 Relay Output(3A max)					
	Alarm latch up	1 ~ 30 sec											
	Buzzer Out	On/Off											
HDD	SATA	4 HDD		4 HDD		4 HDD		1 HDD					
POWER	Input Voltage	AC 110VA/ 220VA(Selectable) 50~60Hz											
	Power consumption	Approx. 80W											
CONNECTORS	Video Inputs	16 BNC		8 BNC		4 BNC		8- 6pin DIN & 8 BNC					
	Loop Outputs	16 BNC(Looping)		8 BNC(Looping)		4 BNC(Looping)		X					
	Audio Inputs	16 RCA		8 RCA		1 RCA		8 DIN		4 DIN			
	Audio Output	2 RCA(one in rear and one in front)								1 RCA			
	Composit monitor Outputs (Monitor, VCR)									1 BNC			
	VGA monitor Output									X			
	Alarm In/Out									26pin HDSUB			
	RS485									In terminal Block			
	Ethernet									RJ45			
USB									4 USB ports				
MECHANICAL	Dimension(m/m)	430(W)x375(D)x90(H)											
	Weight	Approx. 10 Kg											
	Operating Temperature	0 ~ 60 degC											
	Humidity	10 ~ 90%											
LCD	Display	22" TFT LCD active matrix											
	Pixel Pitch												
	Active Display Area	473.76(H) x 296.1(V) mm											
	Display Colors	16.7M (Hi-FRC)											
	Display Mode	Normally White											
	Pixel Arrangement												
	Luminance of White												
	Contrast Ratio(Center)												
	Viewing Angle L/R/T/B	80 / 80 / 80 / 80 degrees											
	Operating Temperature	0°C ~ 60°C											
Storage Temperature	-25°C ~ 60°C												