

RAV Series**RAV-413M-J / RAV-813M-J****4/8 CH AHD 1080P DVR****1080P****Support
960H**

Main Features

- 4/8 CH AHD 1080P@30fps input, 720P@60/30fps input, analog 960H/D1@30fps input
- AHD 1080P/720P@15fps recording 960H/D1@30fps recording
- 4/8 CH sync playback
- 960H supported
- RS-485 serial interface
- Live display, playback and recording simultaneously



**Display different sources
on the same screen,
no setting needed**

Model		RAV-413M-J	RAV-813M-J	
Camera Input		4CH AHD	8CH AHD	
Housing		J		
Video	Input	AHD: 1080P @ 30/25 fps, 720P @ 60/50 fps, 720P @ 30/25 fps 960H / D1		
	Output	1 HDMI with Audio and 1 VGA (Max. 1920x1080) 1 Main BNC		
Audio	Input	4 RCA		
	Output	2 RCA		
System	Operating System	Embedded Linux OS		
	SATA Devices	Max. 1 x SATA Device (HDDx1)		
	External HDD	N/A		
	Alarm In / Relay Out	Alarm-in x 4 Relay-out x 1		
	Serial Interface	RS-485		
	USB 2.0 Ports	USB2.0 X2		
	Dimension (mm)	280(w)x51(h)x203(d)		
Display	Power Rating	12V 2A, 24W		
	Split Screen	1,4, SEQ.	1,4, 8, SEQ.	
	Auto Channel Switching	Switching time : 1 ~ 99 sec		
Recording	Mode	Zoom, Auto SEQ.		
	Compression	H.264 High Profile		
	Main (Recording) Resolution	960 x 1080 (1080P CIF), 1280 x 720; 944 x 480 .704 x 480, 352 x 240 (NTSC) / 944 x 576 ,704 x 576, 352 x 288 (PAL)		
	Sub (Network) Resolution	640 x 360 / 352 x 240, 176 x 120 (NTSC) / 352 x 288, 176 x 144 (PAL)		
	Picture Quality	10~100 levels for adjustment		
	Mode	Continuous, Event, Schedule		
	Record Rate	NTSC 1080p CIF 60fps; 720p 60 fps PAL 1080p CIF 50fps ; 720p 50 fps	NTSC 1080p CIF 120fps; 720p 120 fps PAL 1080p CIF 100fps ; 720p 100 fps	
	Pre-Alarm	1 ~ 5 SEC		
Playback	Post-Alarm	1 ~ 100 SEC		
	Search Mode	Date/time, Event		
Network	Zoom	*Digital (x2 ~ x5)		
	Network Interface	10/100 Ethernet		
	Protocol	TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP, DDNS		
	Application	Windows 7 & 8, Mac OS X		
	Remote Software	SoCatch, IE Browser, iCMS Pro		
	Account	1 Admin + 10 Users		
Backup	Mobile Device	Windows Phone 7.8, iPhone, iPad, Android		
	Interface	USB or SATA		
	Audio Backup	YES		
Alarm	Backup Type	Network, ext. USB flash device , SATA optical DVD..etc.		
	Motion Detection	Sensitivity: 100 levels for each channel Area: Programmable individually		
OSD & DVR Control	Event Log	Up to the 10000 events (Sensor, Motion, video Loss, power on, remote login, logout, HDD error, HDD full)		
	Multi-Language	Supported		
	Camera Title	Multi-Language		
	USB Mouse	YES		
	Touch Panel	Touch Panel LCD Monitor (USB Interface, EETI Chipset Only)		
	Remote Controller	Optional		
	System Upgrade	USB Flash Drive, iWatch DVR		
General	Pan/Tilt/Zoom Control	Control From RS485 Interface (Pelco P, Pelco D, Samsung, LG, LiLin)		
	Operating Temperature	-10°C ~ +55°C (14°F ~ 131°F)		
	Operating Humidity	10%~80%		

Subject to be changed without notice