

RAV Series**RAV-1613E-N / RAV-1613A-N****16 CH AHD 1080P DVR****1080P****Support
960H**

Main Features

- 16 CH AHD 1080P@30fps input, 720P@60/30fps input, analog 960H/D1@30fps input
- AHD 1080P/720P@15fps recording 960H/D1@30fps recording
- 16 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-1613E-N	RAV-1613A-N
Camera Input		16CH AHD	
Housing		N	
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	1 RCA	16 RCA
	Output	1 RCA	2 RCA
System	Operating System	Embedded Linux OS	
	SATA Devices	Max. 2 x SATA Devices (HDDx2, HDDx1+Optical Device x1)	Max. 4 x SATA Devices (HDDx3+eSATAx1, HDDx2+Optical Device x1+ eSATAx1)
	External HDD	N/A	YES (eSATA)
	Alarm In / Relay Out	N/A	Alarm-in x 16 Relay-out x 2
	Serial Interface	RS-485	
	USB 2.0 Ports	USB2.0 X2	
	Dimension (mm)	430(w)x55(h)x293(d)	
	Power Rating	12V 5A, 60W	12V 5.33A, 70W
Display	Split Screen	1, 4, 9, 13, 16,SEQ.	
	Auto Channel Switching Mode	Switching time : 1 ~ 99 sec Zoom, Auto SEQ.	
Recording	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 Mode	10~100 levels for adjustment Continuous, Event, Schedule	
	Record Rate	NTSC 1080p CIF 240fps; 720p 240 fps PAL 1080p CIF 200fps ; 720p 200 fps	
	Pre-Alarm Post-Alarm	1 ~ 5 SEC 1 ~ 100 SEC	
	Playback	Search Mode	Date/time, Event
Zoom		*Digital (x2 ~ x5)	
Network	Network Interface	10/100/1000 Ethernet	
	Protocol	TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP, DDNS	
	Application	Windows 7 & 8, Mac OS X	
	Remote Software Account	SoCatch, IE Browser, iCMS Pro 1 Admin + 10 Users	
	Mobile Device	Windows Phone 7.8, iPhone, iPad, Android	
Backup	Interface	USB or SATA	
	Audio Backup	YES	
	Backup Type	Network, ext. USB flash device , SATA optical DVD..etc.	
Alarm	Motion Detection	Sensitivity: 100 levels for each channel Area: Programmable individually	
	Event Log	Up to the 10000 events (Sensor, Motion, video Loss, power on, remote login, logout, HDD error, HDD full)	
OSD & DVR Control	Multi-Language	Supported	
	Camera Title	Multi-Language	
	USB Mouse	YES	
	Touch Panel	Touch Panel LCD Monitor (USB Interface, EETI Chipset Only)	
	Remote Controller System Upgrade	Optional USB Flash Drive, iWatch DVR	
	Pan/Tilt/Zoom Control	Control From RS485 Interface (Pelco P, Pelco D, Samsung, LG, LiLin)	
General	Operating Temperature	-10°C ~ +55°C (14°F ~ 131°F)	
	Operating Humidity	10%~80%	

Subject to be changed without notice