Manufacture:

**iCATCH**

Model name:  
**RAV-1613A-N**



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| **Model** | | **RAS-1613A-N** |
| **Product Name** | | **RAS-1613A-N** |
| **Video** | Input | 720p@30fps, 720p@25fps Analog HD 960H / D1 (Service in pairs)\* |
| Output | 1 HDMI with Audio and 1 VGA ( Max. 1920x1080) 1 Main BNC for D1/960H |
| **Audio** | Input | 16 RCA |
| Output | 1 RCA |
| **System** | Operating System | Embedded Linux OS |
| SATA Devices | Max. 4 x SATA Devices (HDDx3 + eSATAx1; HDDx2 + Optical Device x1 + eSATAx1) |
| External HDD | YES ( eSATA ) |
| Sensor In (NO, NC) Relay out | Sensor-in x 16 Relay-out x 2 |
| Serial Interface | RS-485 |
| USB | USB2.0 x 2 |
| Dimension ( mm ) | 430(w)x55(h)x293(d) |
| Weight ( w/o HDD/DVD±RW ) | 1.85 KG |
| Power Supply | 12V 5.83A ,70W |
| Power Rating | Adapter 110/220V |
| **Display** | Split screen | 1, 4, 9, 13, 16, SEQ. |
| Auto Channel Switching | Switching time : 1 ~ 99 sec |
| Mode | Zoom ( Digital x2~ x5), PIP, Auto SEQ. |
| **Recording** | Recording Throughput | 16 x 720P@15fps(1280x720) 16 x 960H@30fps |
| Mode | Continuous, Event, Schedule |
| **Playback** | Search mode | Date/time, Event |
| Snapshot | YES |
| **Network** | Network Interface | 10/100/1000 Ethernet |
| Protocol | TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP, DDNS |
| Remote Software | iWatch DVR2 App, IE Browser, iCMS |
| Account | 1 Admin + 10 Users |
| Mobile | Windows Phone 7.8, iPhone, iPad, Android |
| **Backup** | Interface | USB 2.0 |
| Audio Backup | YES |
| Backup Type | Network, Ext. USB flash device , SATA optical DVD..etc |
| **Alarm** | Event Log | Up to the 10000 events (Sensor, Motion, video Loss, power on, remote login, logout, HDD error, HDD full) |
| **OSD & DVR Control** | GUI | 32-bit True Color |
| Multi-Language | Supported |
| USB Mouse | YES |
| Touch Panel | Touch Panel LCD Monitor (USB Interface, EETI Chipset Only) |
| System Upgrade | USB Flash Drive, iWatch DVR |