

## Tribrid HDAVS & Analog & IP 2U DVR

The New Tribrid series recorder - the best of all three worlds: analog, AVS, and IP. Ideal for installations where the environment is mixed between analog and IP Cameras, or for upgrading existing systems to the next level of resolution. The Tribrid series recorders are capable of recording analog cameras at 960H resolution, HDAVS cameras and IP cameras up to 1080P. Audio is supported on each and every input (both analog, and IP).

The Tribrid series recorders are wrapped up in a full sized 2U DVR capable of housing 8 HDDs internally. Tribrid series recorders are available in 4, 8, and 16 channel offerings, enabling it to be deployed into diverse, and varying sized installations ranging from small office, to large scale enterprises applications. Since the Hybrid series of recorders supports both analog, HDAVS, and IP cameras, it is a good fit for existing installations that want to expand into IP cameras, without replacing analog cameras.

Like all IC Realtime series recorders, this device utilizes H.264E (Enhanced H.264) compression technology, enabling crisp image viewing with the least bandwidth consumption possible. This unit adopts an embedded system design, as well as a Linux Operating System, resulting in high levels of stability, performance, and most importantly: reliability. In addition, this unit is fully operational from remote locations (Search / Playback / Backup / Configuration) over standard Ethernet networks.

### Main Features

- Tribrid: Each channel supports HDAVS/Analog/IP Video input
- 1HDMI/VGA/TV simultaneous video output, 1 HDMI separate output
- All channel Max 1080P
- H.264 dual-stream video compression
- 4/8 channel synchronous realtime playback, GRID interface & smart search
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- ONVIF Version 2.2
- 3D intelligent positioning with IC Realtime PTZ camera
- Support 8 SATA HDDs up to 32TB, 1 eSATA up to 16TB, 4 USB2.0
- Multiple network monitoring: Web browser, Smart ICRSS, ICRSS Pro, IC View



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## Technical Specs

|                                    |                                                                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
|                                    | <b>Model AVR800S</b>                                                                                                          |
| <b>System</b>                      |                                                                                                                               |
| <b>Main Processor</b>              | Embedded processor                                                                                                            |
| <b>Operating System</b>            | Embedded LINUX                                                                                                                |
| <b>Video</b>                       |                                                                                                                               |
| <b>Input</b>                       | 4 / 8 / 16                                                                                                                    |
| <b>Standard</b>                    | HDAVS - 1080P/720P HDAVS Camera                                                                                               |
|                                    | Analog - NTSC(525Line, 60f/s), PAL(625Line, 50f/s), Effio 960H Camera                                                         |
|                                    | IP - 1080P/720P/D1/CIF IP Camera                                                                                              |
| <b>Loop Output</b>                 | 4 channel                                                                                                                     |
| <b>Audio</b>                       |                                                                                                                               |
| <b>Input</b>                       | 4 / 8 / 16 channel, BNC                                                                                                       |
| <b>Output</b>                      | 1 channel, BNC                                                                                                                |
| <b>Two-way Talk</b>                | 1 channel Input, 1 channel Output, BNC                                                                                        |
| <b>Display</b>                     |                                                                                                                               |
| <b>Interface</b>                   | 2 HDMI, 1 VGA, 1 TV                                                                                                           |
| <b>Resolution</b>                  | 1920x1080, 1280x1024, 1280x720, 1024x768                                                                                      |
| <b>Display Split</b>               | 1/4<br>1/4/8/9<br>1/4/8/9/16                                                                                                  |
| <b>Privacy Masking</b>             | 4 rectangular zones (each camera)                                                                                             |
| <b>OSD</b>                         | Camera title, Time, Video loss, Camera lock, Motion detection, Recording                                                      |
| <b>Recording</b>                   |                                                                                                                               |
| <b>Video/Audio Compression</b>     | H.264 / G.711                                                                                                                 |
| <b>Resolution</b>                  | 1080P(1920x1080)/720P(1280x720)/960H(960x576/960x480)/D1/4CIF(704x576/704x480) / CIF(352x288/352x240) / QCIF(176x144/176x120) |
| <b>Record Rate</b>                 | Main Stream: 1080P/720P/960H/D1/HD1/2CIF/CIF (1~30fps)                                                                        |
|                                    | Extra Stream: CIF/QCIF(1~30fps)                                                                                               |
| <b>Bit Rate</b>                    | 48~8192Kb/s                                                                                                                   |
| <b>Record Mode</b>                 | Manual, Schedule(Regular(Continuous), MD, Alarm), Stop                                                                        |
| <b>Record Interval</b>             | 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec                                                    |
| <b>Video Detection &amp; Alarm</b> |                                                                                                                               |
| <b>Trigger Events</b>              | Recording, PTZ, Tour, Alarm, Video Push, Email, FTP, Spot, Buzzer & Screen tips                                               |
| <b>Video Detection</b>             | Motion Detection, MD Zones: 396(22x18), Video Loss & Camera Blank                                                             |
| <b>Alarm Input</b>                 | 4 / 8 / 16 channel                                                                                                            |
| <b>Relay Output</b>                | 6 channel                                                                                                                     |

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|                              |                                                                                                                                                                       |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Playback &amp; Backup</b> |                                                                                                                                                                       |
| <b>Sync Playback</b>         | 1 / 4<br>1 / 4 / 8<br>1 / 4 / 8 / 16                                                                                                                                  |
| <b>Search Mode</b>           | Time/Date, Alarm, MD & Exact search (accurate to second), Smart search                                                                                                |
| <b>Playback Functions</b>    | Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom |
| <b>Backup Mode</b>           | USB Device / eSATA Device / Network                                                                                                                                   |
| <b>Network</b>               |                                                                                                                                                                       |
| <b>Ethernet</b>              | 2 RJ-45 ports (10/100M/1000M)                                                                                                                                         |
| <b>Network Functions</b>     | HTTP, IPv4/IPv6, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, Alarm Server                                                             |
| <b>Max. User Access</b>      | 128 users                                                                                                                                                             |
| <b>Smart Phone</b>           | iPhone, iPad, Android                                                                                                                                                 |
| <b>Storage</b>               |                                                                                                                                                                       |
| <b>Internal HDD</b>          | 8 SATA ports up to 4TB per SATA Port                                                                                                                                  |
| <b>External HDD</b>          | 1 eSATA port up to 16TB                                                                                                                                               |
| <b>Auxiliary Interface</b>   |                                                                                                                                                                       |
| <b>USB Interface</b>         | 4 ports (2 Rear), USB2.0                                                                                                                                              |
| <b>RS232</b>                 | 1 port, For PC communication & Keyboard                                                                                                                               |
| <b>RS485</b>                 | 1 port RS485 for PTZ control, 1 port RS422 for Keyboard                                                                                                               |
| <b>General</b>               |                                                                                                                                                                       |
| <b>Power Supply</b>          | 100~240V AC 60Hz                                                                                                                                                      |
| <b>Power Consumption</b>     | 40W                                                                                                                                                                   |
| <b>Working Environment</b>   | -10 ~+55°C / 10~90%RH / 86~106kpa                                                                                                                                     |
| <b>Dimension</b>             | 440mmx460mmx89mm(WxDxH)                                                                                                                                               |
|                              | 17.3"x18.1"x3.5" (WxDxH) 2U Standard Case                                                                                                                             |
| <b>Weight</b>                | 13LB / 6.5KG (without HDD)                                                                                                                                            |

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