

**HARA15-16 SERIES TURBO HD DVR**

**Features and Functions**

**Appearance Design**

* Typical chassis design to guarantee the low noise and environmental protection of the device
* Front slot of DVD-R/W for more convenient installation and maintenance

**Video Input and Transmission**

* Connectable to HDTVI, AHD and analog cameras
* Up to 10/18/32-ch 8 MP IP cameras input for HARA15-8
* Long distance transmission over UTP and coaxial cable

**Compression and Recording**

* H.264+ compression improves encoding efficiency by up to 50% and reduces data storage costs
* Full channel recording at up to 3 MP resolution
* Supports POS triggered recording and POS information overlay

**Video Output**

* Simultaneous HDMI1 and VGA output at up to 1920 × 1080 resolution, and independent HDMI 2 output at up to 4K (3840 × 2160) resolution
* Independent CVBS output improves compatibility at the most possibility

**Storage and Playback**

* Eight SATA interfaces (up to 6 TB capacity per HDD)
* Hot-swappable HDD supporting RAID 0, RAID 1, RAID 5, RAID 6 and RAID 10 storage scheme
* 4/8/16-ch synchronous playback
* Smart search for efficient playback
* Supports playback by main stream, or sub-stream for IP cameras
* Supports the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)

**Smart Function**

* Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras
* VQD (Video Quality Diagnostics)

**Network & Ethernet Access**

* Hik Cloud P2P & HiDDNS (Dynamic Domain Name System) for easy network management
* Two gigabit Ethernet network interfaces

**Specifications**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Model** |  |  |  |  | **HARA15-8** |  |  |  |  | **HARA15-16** |  |
|  |  |  |  | **Video** |  | H.264+/H.264 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  | **compression** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **Analog video** |  | 4-ch |  | 8-ch |  | 16-ch |  |
|  |  |  |  | **input** |  | BNC interface (1.0 Vp-p, 75 Ω), supporting coaxitron connection |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  | **HDTVI input** |  | 3 MP, 1080p/25Hz, 1080p/30Hz, 720p/25Hz, 720p/30Hz, 720P/50Hz, 720p/60Hz |  |
|  |  |  |  | **AHD input** |  | 720p/25Hz, 720p/30Hz |  |  |  |  |
|  | **Video/Audio input** |  |  | **CVBS input** |  | Support |  |  |  |  |
|  |  |  |  |  |  | 6-ch (up to 10-ch) |  | 10-ch (up to 18-ch) |  | 18-ch (up to 32-ch) |  |
|  |  |  |  | **IP video input** |  | Up to 8 MP resolution |  |  |  |  |
|  |  |  |  |  |  | H.265/H.264+/H.264 |  |  |  |  |
|  |  |  |  | **Audio** |  | G.711u |  |  |  |  |
|  |  |  |  | **compression** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **Audio input** |  | 4-ch |  | 8-ch |  | 16-ch |  |
|  |  |  |  |  | RCA (2.0 Vp-p, 1 KΩ) |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **CVBS output** |  | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480 |  |
|  |  |  |  |  |  |
|  |  |  |  | **HDMI1/VGA** |  | 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz |  |
|  |  |  |  | **output** |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **HDMI2** |  | 1-ch, 4K (3840 × 2160)/30Hz, 2K (2560 × 1440)/60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, |  |
|  |  |  |  | **output** |  | 1280 × 720/60Hz, 1024 × 768/60Hz |  |  |  |
|  |  |  |  | **Encoding** |  | 3 MP/1080p/720p/WD1/4CIF/VGA/CIF |  |  |  |
|  |  |  |  | **resolution** |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | Main stream: |  |  |  |  |
|  |  |  |  |  |  | 3 MP@15fps; |  |  |  |  |
|  | **Video/Audio** |  |  | **Frame rate** |  | 1080p/720p/WD1/4CIF/VGA/CIF@25fps (P)/30fps (N) |  |  |  |
|  | **output** |  |  |  | Sub-stream: |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | WD1/4CIF@12fps; |  |  |  |  |
|  |  |  |  |  |  | CIF/QVGA/QCIF@25fps (P)/30fps (N) |  |  |  |
|  |  |  |  | **Video bit rate** |  | 32 Kbps to 10 Mbps |  |  |  |  |
|  |  |  |  | **Audio output** |  | 2-ch, RCA (Linear, 1 KΩ) |  |  |  |  |
|  |  |  |  | **Audio bit rate** |  | 64 Kbps |  |  |  |  |
|  |  |  |  | **Dual stream** |  | Support |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **Stream type** |  | Video, Video & Audio |  |  |  |  |
|  |  |  |  | **Synchronous** |  | 4-ch |  | 8-ch |  | 16-ch |  |
|  |  |  |  | **playback** |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Network** |  |  | **Remote** | 128 |  |  |  |  |  |  |
|  |  |  | **connections** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  | **management** |  |  | **Network** |  | TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF, |  |
|  |  |  | **protocols** |  | SNMP |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  | **SATA** |  | 8 SATA interfaces |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | **Hard disk** |  |  | **eSATA** |  | Support |  |  |  |  |
|  |  |  |  | **Capacity** |  | Up to 6 TB capacity for each disk. |  |  |  |  |
|  |  |  |  | **Array type** |  | RAID 0, RAID 1, RAID 5, RAID 6, RAID 10 |  |  |  |
|  | **Disk array** |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | **Number of** | 16 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **arrays** |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **Two-way** |  | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (independent) |  |  |  |
|  |  |  |  | **audio input** |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **Network** |  | 2, RJ45 10M/100M/1000M self-adaptive Ethernet interface |  |  |  |
|  |  |  |  | **interface** |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | **External interface** |  |  | **USB interface** |  | Front panel: 2 × USB 2.0 |  |  |  |  |
|  |  |  |  |  | Rear panel: 1 × USB 3.0 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **Serial** |  | RS-232, RS-485 (full-duplex), Keyboard |  |  |  |
|  |  |  |  | **interface** |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **Alarm in/out** | 16/4 |  |  |  |  |  |  |
|  | **General** |  |  | **Power supply** |  | 100 to 240 VAC |  |  |  |  |
|  |  |  |  | **Consumption** |  |  |  |  |  |  |  |  |
|  |  |  |  | **(without** |  | ≤ 35 W |  | ≤ 45 W |  | ≤ 65 W |  |
|  |  |  |  | **HDD)** |  |  |  |  |  |  |  |  |
|  |  |  |  | **Working** |  | -10 ºC to +55 ºC (14 ºF to 131 ºF) |  |  |  |  |
|  |  |  |  | **temperature** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **Working** |  | 10% to 90% |  |  |  |  |
|  |  |  |  | **humidity** |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **Dimensions** |  | 445 × 470 × 90 mm (17.5 × 18.5 × 3.5 inch) |  |  |  |
|  |  |  |  | **(W × D × H)** |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | **Weight** |  |  |  |  |  |  |  |  |
|  |  |  |  | **(without** |  | ≤ 8 kg (17.6 lb) |  |  |  |  |
|  |  |  |  | **HDD)** |  |  |  |  |  |  |  |  |

For HARA15-8 series DVR, TVI and AHD signals cannot be mixed randomly. Each two video channels are grouped in sequence, e.g., CH01 and CH02, CH03 and CH04..., and each two channels in the same group must be connected with the same type of video source selected on GUI. For example, when the TVI/CVBS signal mode is selected, then either TVI or CVBS signal input can be connected to the channels in the same group; and when the AHD signal mode is selected, only the AHD signal input can be connected. The above information is for reference only. Please refer to the specific configuration of the device.

**Physical Interfaces**



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Index** | **Description** | **Index** | **Description** |  |
| **1** | VIDEO IN | **9** | RS-485 Serial Interface, Keyboard Interface, |  |
| ALARM IN and ALARM OUT |  |
|  |  |  |  |
|  |  |  |  |  |
| **2** | VIDEO OUT | **10** | 100 to 240 VAC Power Input |  |
| **3** | AUDIO IN, RCA Connector | **11** | Power Switch |  |
| **4** | USB Interface | **12** | GND |  |
|  |  |  |  |  |
| **5** | HDMI1/VGA Interface | **13** | LINE IN |  |
| **6** | HDMI2 Interface | **14** | eSATA Interface |  |
| **7** | CVBS AUDIO OUT and VGA AUDIO OUT | **15** | RS-232 Serial Interface |  |
| **8** | LAN1 and LAN2 Network Interfaces |  |  |  |

**Available Models**

HARA15-8

HARA15-16

03040601060726