

# DVR3204HA/CIF



## Features :

- New standard for entry level DVR with high performance and competitive price
- H.264 compression algorithm ideal for standalone DVR
- Realtime live display up to 16 cameras with 720P high definition
- 400/480 fps recording for CIF and special channel 4CIF realtime recording
- Dual encoding streams support, flexible for network transmission and mobile phone monitoring.
- Pentaplex function: live, recording, playback, backup & remote access
- Multiple control methods: Front panel, IR remote controller, USB mouse and network keyboard
- Smart video detection: motion detection, camera blank, video loss
- Smart camera settings: privacy masking, camera lock, color setting, and title display
- Pan Tilt Zoom and Speed Dome Control: more than 60 protocols supported, preset, scan, auto pan, auto tour, pattern, auxiliary function supported.  
3D intelligent positioning function supported
- Alarm triggering screen tips, buzzer, PTZ preset, e-mail, FTP upload
- Powerful network software: built-in web server, multi-DVR client, MSS (Mobile Surveillance Software for smart phone) & CMS. Networking access for remote live viewing, recording, playback, setting, system status, event log

## Specifications :

| MODEL            | DVR3204HA/CIF   |
|------------------|---|
| <b>System</b>    |   |
| Main Processor   | High performance embedded microprocessor                              |
| Operating System | Embedded LINUX  |
| System Resources | Pentaplex function: live, recording, playback, backup & remote access |
| User Interface   | GUI, on-screen menu tips  |
| Control Device   | Front panel, USB mouse, IR remote control, network keyboard           |
| Input Method     | Numeral/Character/Denotation  |

|                                    |   |           |           |
|------------------------------------|---|-----------|-----------|
| System Status                      | HDD status, data stream statistics, log record, bios version, on-line user etc.   |           |           |
| <b>Video</b>                       |   |           |           |
| Video Input                        | 4 channel, BNC, 1.0Vp-p, 75Ω  |           |           |
| Video Output                       | 1 channel TV output, BNC, 1.0Vp-p, 75Ω, 1 VGA output, 1 HDMI output   |           |           |
| Video Standards                    | PAL(625Line, 50f/s), NTSC(525Line, 60f/s)   |           |           |
| Video Compression                  | H.264   |           |           |
| Video Resolution                   | Format  | NTSC      | PAL       |
|                                    | D1(4CIF)  | 704 X 480 | 704 X 576 |
| Video Recording                    | 4CIF: PAL 1f/s-25f/s NTSC 1f/s-30f/s;<br>(1st channel of DVR3204 can support D1 realtime recording)<br>Dual encoding streams supported; |           |           |
| Video Display Split                | Full and multiple screen display, 1 / 4 / 9 / 16  |           |           |
| Tour Display                       | Support   |           |           |
| Image Quality                      | 1~6 level(level 6 is the best)  |           |           |
| Privacy Masking                    | 4 self-defined four-sided zones for privacy masking for each camera   |           |           |
| Camera Lock                        | Camera locked for users   |           |           |
| Camera Adjustment                  | Adjust color according to different time period   |           |           |
| Video Information                  | Camera title, time, video loss, camera lock, motion detection, recording  |           |           |
| TV Output Adjustment               | Adjust TV output color & display zone   |           |           |
| <b>Audio</b>                       |   |           |           |
| Audio Input                        | 4 channel, BNC, 200-2800mV, 30KΩ  |           |           |
| Bidirectional Talk Input           | 1 channel, BNC, 200-2800mV, 30KΩ, same with the 1st channel   |           |           |
| Audio Output                       | 1 channel, BNC, 200-3000mv, 5KΩ   |           |           |
| Audio Compression                  | G.711   |           |           |
| <b>Video Detection &amp; Alarm</b> |   |           |           |
| Motion Detection                   | Zones: 396 (22*18) detection zones<br>Sensitivity: 1~6 (level 6 is highest)<br>Trigger recording, PTZ movement, tour, alarm, email      |           |           |
| Video Loss                         | Trigger recording, PTZ movement, tour, alarm, email   |           |           |
| Camera Blank                       | Trigger recording, PTZ movement, tour, alarm, email   |           |           |
| Alarm Input                        | 4 channel, programmable, ground, manual open/closed<br>Trigger recording, PTZ movement, tour, alarm, email                              |           |           |
| Relay output                       | 3/3/3 channel, 30VDC, 1A, NO/NC, form-C   |           |           |
| <b>Hard Disk</b>                   |   |           |           |
| Hard Disk                          | 1 SATA port, 1 HDD supported  |           |           |
| Space Occupation                   | Audio: 14.4MB/H Video: 56~500MB/H   |           |           |
| HDD Management                     | Hard disk hibernation technology, HDD faulty alarm  |           |           |

| <b>Record, Playback &amp; Backup</b> |  |
|--------------------------------------|--|
| Recording Mode                       | Manual, continuous, video detection (including motion detection, camera blank, video loss), Alarm  |
| Recording Priority                   | Manual >Alarm >Video Detection >Continuous   |
| Recording Interval                   | 1 to 120 minutes (default: 60 minutes), Pre-record up to 30 seconds, Post-record up to 5 minutes   |
| Overwrite Mode                       | Support  |
| Search Mode                          | Time/Date, Alarm, Motion Detection & exact search (accurate to second)   |
| Playback                             | 1,4 channel playback simultaneously, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection |
| Digital Zoom                         | Selected zone can zoom into full screen during playback  |
| Backup Mode                          | Flash disk/ USB HDD/ USB CD/DVD-RW/ Network download   |
| <b>Network</b>                       |  |
| Interface                            | RJ-45 Port (10/100M)   |
| Network Functions                    | TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server   |
| Remote operation                     | Monitor, PTZ control, playback, system setting, file download, log information   |
| <b>Auxiliary Interface</b>           |  |
| USB Interface                        | 2 ports, 1 for mouse control, 1 for backup   |
| RS232                                | PC communication   |
| RS485                                | PTZ control  |
| <b>Environmental</b>                 |  |
| Power Supply                         | 220V 50Hz / 110V 60Hz  |
| Power consumption                    | 25W  |
| Working Temperature                  | -10°C~+55°C  |
| Working Humidity                     | 10%~90%  |
| Atmosphere Pressure                  | 86kpa~106kpa   |
| Dimension                            | 1U, 375mmx285mmx45mm (W*D*H)   |
| Weight                               | 2.35KG(without HDD)  |
| Mounting                             | Desktop or rack  |