

## 10CH 4K Intelligent Video Recorder — 4G

**Model: EV-IVR-1010-4G**

10CH Intelligent NVR supporting 10-channel 4K IP camera input and output, with IPC smart analysis (line-crossing detection, retrograde detection, absence detection, loitering, area intrusion, illegal vehicle detection) and multi-mode voice alarm. Supports online or memory-based IPC upgrade, IP camera address and light-board parameter modification, 1× HDD (up to 16TB), 1CH HDMI, 1CH VGA, 2× USB, mobile phone monitoring, front speaker & microphone, and built-in CAT 1 4G connectivity.



### Key Features

- Supports 10 Channels IPC input (8MP/D1 + 10CH preview + 4CH playback)
- Supports Smart265, H.265, H.264 compression format
- Synchronized recording, remote view, backup recording in MP4 format, mobile view
- Supports VGA/HDMI output
- Preview & playback image electronic amplification; supports ONVIF, RTSP, GB28181 protocol
- Supports RTMP stream push
- Alarm capture with alarm information sent by email
- Supports DDNS, UPNP, NTP, P2P, etc.
- Supports WEB, mobile view, IMS surveillance
- IPC smart analysis: alarm input/output, human detection, line-crossing detection, retrograde detection, absence detection, loitering, area intrusion, illegal vehicle detection
- Supports channel rotation grouping
- Network inspection: traffic monitor, packet detection, network diagnosis, etc.
- Synchronous playback of up to 4 channels at 1080P
- Supports 10CH 4K decode and 4K display output
- Add IPC manually or automatically in LAN; upgrade IPC online or by memory
- Maintain IPC under private protocol: restore, restart, enable/disable network functions
- Disconnected network supplement function; selectable video stream mode
- Optimized incoming bandwidth up to 80Mbps
- Front speaker and microphone; point-to-point intercom, audio recording, and point-to-multipoint broadcasting via NVR, APP, and IPC
- Built-in CAT 1 4G connectivity

### Technical Specification

| Category          | Item                          | Specification                                                                                                                                                                                                                                                                     |
|-------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Platform & System | Platform                      | A1N                                                                                                                                                                                                                                                                               |
|                   | System                        | Embedded LINUX design, pure hard decoding, watchdog, hard disk storage, HDMI HD display, IP network video access                                                                                                                                                                  |
| Video             | Video Mode (Split / Decode)   | Split 1CH: 4K decode   Split 4CH: 4×1080P   Split 6CH: 4MP+5×D1   Split 8CH: 4MP+7×D1   Split 10CH: 10×D1                                                                                                                                                                         |
|                   | Network Video Input Bandwidth | Incoming bandwidth 80Mbps                                                                                                                                                                                                                                                         |
|                   | Video Output                  | 1CH HDMI output, 1CH VGA output (same origin as HDMI); resolutions: 3840×2160, 1920×1080, 1440×900, 1280×1024, 1280×800, 1024×768                                                                                                                                                 |
|                   | Preview                       | Supports IMS preview, supports APP preview                                                                                                                                                                                                                                        |
|                   | Preview Split                 | Supports split, 1/2/4/6/8/9/10/16 CH real-time preview                                                                                                                                                                                                                            |
|                   | Recording Resolution          | Supports 720P / 960P / 1080P / 3MP / 4MP / 5MP / 4K                                                                                                                                                                                                                               |
|                   | Video Decoding Parameters     | Supports Smart265 / H.265 / H.264 decode                                                                                                                                                                                                                                          |
|                   | Playback                      | NVR playback 4CH (1×4K); max support 4CH playback on IMS                                                                                                                                                                                                                          |
| Audio             | Audio                         | G.711; supports HDMI audio output, audio input and output (3.5mm jack), supports audio/recording with audio preview and playback on IMS                                                                                                                                           |
| Storage           | Storage Management            | 1 pcs SATA port, max support 16TB HDD                                                                                                                                                                                                                                             |
|                   | Recording Modes               | Supports timing recording, alarm recording, timing+alarm recording; alarm recording includes motion detection, alarm input, alarm output, human detection, line-crossing detection, area intrusion, loitering, absence detection, illegal vehicle detection, retrograde detection |
|                   | Backup                        | Supports backup to external USB storage devices (USB flash disk, mobile hard disk)                                                                                                                                                                                                |

| Category        | Item             | Specification                                                                                                            |
|-----------------|------------------|--------------------------------------------------------------------------------------------------------------------------|
| Network & Ports | User Management  | Max support 32 users                                                                                                     |
|                 | Network Port     | 1 pcs RJ45 port, supports 10/100M self-adaptive; supports TCP/IP, IPv4, DHCP, NTP, RTSP, ONVIF, P2P, SMTP, GB28181, etc. |
|                 | External Port    | 2× USB2.0 interfaces; supports mouse, USB upgrade, import and export                                                     |
| General         | Front Panel      | Supports power and network status indicators (3 LEDs), 1 speaker, and 1 microphone                                       |
|                 | Buzzer           | Supports buzzer alarm                                                                                                    |
|                 | Function         | Supports preview / recording / transfer / remote service, alert linkage, IMS monitor software, P2P cloud service         |
|                 | Power Supply     | DC +12V / 2A                                                                                                             |
|                 | Temperature      | -10°C ~ 55°C                                                                                                             |
|                 | Working Humidity | 10% – 90%                                                                                                                |
|                 | Dimensions (mm)  | 255 × 210 × 42mm (W×D×H). Wall-mountable                                                                                 |

## Interface Definition Diagram

