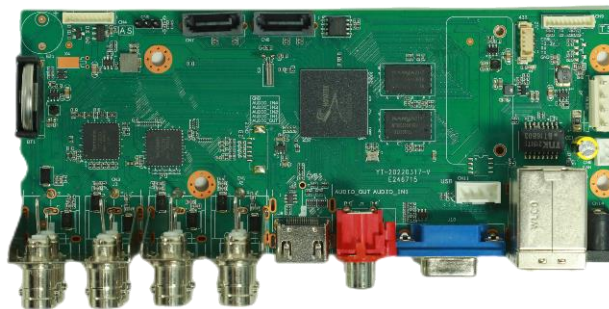


## AHB80N08RM-GS-V4



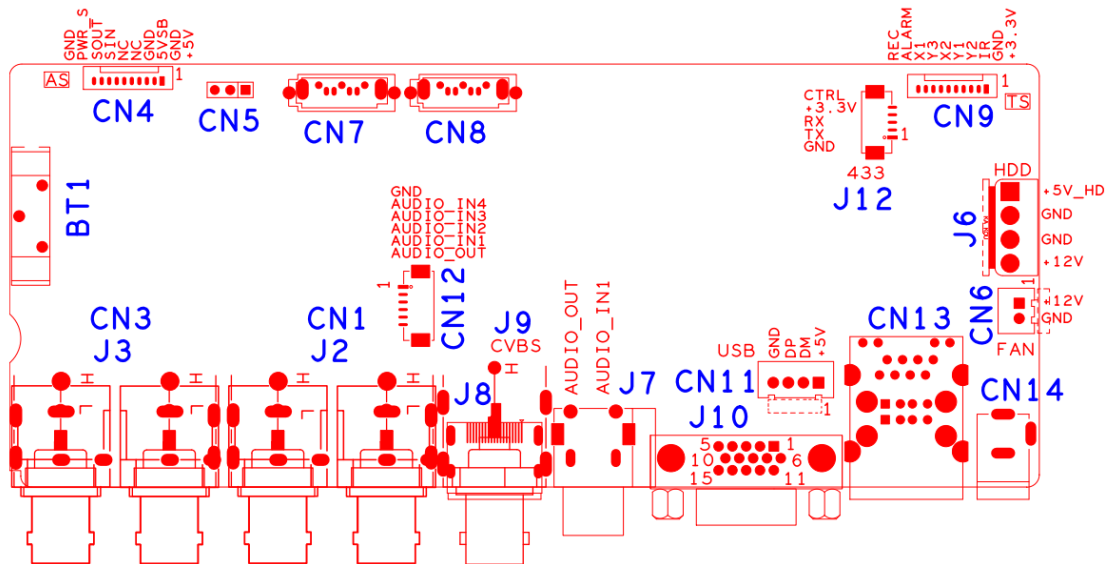
### Feature:

- Support H.265+ encoding, ultra-low bitrates, compatible with H.264 surroundings
- Support VGA, HDMI full HD output simultaneously
- Support ONVIF; access third party
- Support multiple cloud technology, network penetration, alarm information pushed to your phone and other functions
- Support web, VMS, center platform management software MYEYE, provide SDK development
- Support various mobile monitoring (iPhone, Android)
- Remote Access, With DNS (ARSP), easy to monitor remotely
- Support UTC, control signal& video stream transmit through one single coaxial
- Support XVI/AHD/TVI/CVI/CVBS/IP six signals
- Support coaxial audio bidirectional transmission
- Support intelligent analysis: Human detection, face detection, vehicle detection, face check video, car vehicle check video

### Specification:

|                    |                   |                                                                                                                          |
|--------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------|
|                    | <b>Model</b>      | AHB80N08RM-GS-V4                                                                                                         |
| System             | Main processor    | NT98332                                                                                                                  |
| Interface          | Preview           | 1/4/8/9                                                                                                                  |
| Video              | Codec             | H.265+                                                                                                                   |
|                    | Monitor quality   | VGA(1080P at most);HDMI(4K at most)                                                                                      |
|                    | Preview ability   | 8*4K-N@15fps(6 in 1) /8*5M@12fps(6 in 1) /8*4M@15fps (6 in 1) /<br>8*3M@18fps (6 in 1) /8*1080P (6 in 1) default4K-N     |
|                    | Encode ability    | 8*4K-N@9fps(6 in 1) /8*5M@8fps(6 in 1) /8*4M@10fps (6 in 1) /<br>8*3M@12fps (6 in 1) /8*1080P@18fps (6 in 1) default4K-N |
|                    | Decode ability    | 8*4K-N@9fps(6 in 1) /8*5M@8fps(6 in 1) /8*4M@10fps (6 in 1) /<br>8*3M@12fps (6 in 1) /8*1080P@18fps (6 in 1) default4K-N |
|                    | Multi-mode input  | Analog: 8*4K-N<br>hybrid: 8*4K-N (analog) +4*5M (network)<br>network: 16*1080P;8*5M                                      |
|                    | Motion Detection  | Each screen can be set to 192 (16 * 12) detection areas; multi-level sensitivity can be set<br>(Limited local channel)   |
| Audio              | Coaxial audio     | Support coaxial audio bidirectional transmission                                                                         |
|                    | Audio compression | G.711A                                                                                                                   |
|                    | Intercom          | support                                                                                                                  |
| Record & playback  | Record mode       | manual>alarm>motion detection>timing                                                                                     |
|                    | Local Playback    | 8ch(analog input mode)                                                                                                   |
|                    | Search mode       | Search by time, calendar, event, channel                                                                                 |
| Storage & backup   | Video storage     | HDD, network                                                                                                             |
|                    | Backup mode       | Network, USB hard disk, USB burner, SATA burner                                                                          |
| External Interface | Video input       | 8ch BNC                                                                                                                  |
|                    | Video output      | 1ch VGA, 1ch HDMI                                                                                                        |
|                    | Loop Vout         | N/A                                                                                                                      |

|         |                     |                                                         |
|---------|---------------------|---------------------------------------------------------|
|         | Audio I/O           | 1*in/1*out                                              |
|         | Alarm I/O           | 0*in/0*out                                              |
|         | Network interface   | RJ45 10M/100M self-adaption                             |
|         | PTZ control         | Support kinds of PTZ protocols                          |
|         | USB                 | 2* USB 2.0 ports                                        |
|         | HDD                 | 2*SATA ports (Max 14TB/per)                             |
|         | Wireless            | 3G, WIFI (extend via USB)                               |
| General | Power supply        | 12V/2A                                                  |
|         | Power Consumption   | <15W (without HDD)                                      |
|         | Working environment | Temperature:0℃—+55℃, Humidity:10%—90%, Atm:86kpa—106kpa |
|         | Dimension           | 170mm*70mm                                              |
|         | Weight              | 140g                                                    |



| Socket | Function                             | No.    | Interface Description |
|--------|--------------------------------------|--------|-----------------------|
| CN4    | 10PIN MCU front panel socket         | 1      | +5                    |
|        |                                      | 2/4/10 | GND                   |
|        |                                      | 3      | +5_STB                |
|        |                                      | 7      | X_UART1_SIN           |
|        |                                      | 8      | X_UART1_SOUT          |
| CN9    | 10PIN without MCU front panel socket | 9      | PWR_S                 |
|        |                                      | 1      | +3.3                  |
|        |                                      | 2      | GND                   |
|        |                                      | 3      | FRONT_IR              |
|        |                                      | 4      | FRONT_Y2              |
|        |                                      | 5      | FRONT_Y1              |
|        |                                      | 6      | FRONT_X2              |
|        |                                      | 7      | FRONT_Y3              |
|        |                                      | 8      | FRONT_X1              |
|        |                                      | 9      | ALARM                 |

|         |                      |     |                |
|---------|----------------------|-----|----------------|
|         |                      | 10  | REC            |
| CN5     | Debug UART           | 1   | UART0_RXD      |
|         |                      | 2   | UART0_TXD      |
|         |                      | 3   | GND            |
| CN7、CN8 | sata                 |     |                |
| J6      | SATA power socket    | 1   | +5_HD          |
|         |                      | 2/3 | GND            |
|         |                      | 4   | +12            |
| J12     | 433                  | 1   | GND            |
|         |                      | 2   | 433_UART_TX    |
|         |                      | 3   | 433_UART_RX    |
|         |                      | 4   | +3.3           |
|         |                      | 5   | 433_CTRL       |
| CN6     | FAN power socket     | 1   | +12            |
|         |                      | 2   | GND            |
| CN14    | 12V input            | 1   | +12            |
|         |                      | 2/3 | GND            |
| CN13A   | RJ45                 |     |                |
| CN13B   | USB                  | B1  | +5             |
|         |                      | B2  | USB0_DM        |
|         |                      | B3  | USB0_DP        |
|         |                      | B4  | GND            |
| CN13C   | USB                  | C1  | +5             |
|         |                      | C2  | USB1_DM        |
|         |                      | C3  | USB1_DP        |
|         |                      | C4  | GND            |
| CN11    | USB expansion seat   | 1   | +5             |
|         |                      | 2   | USB1_DM-F      |
|         |                      | 3   | USB1_DP-F      |
|         |                      | 4   | GND            |
| J10     | VGA                  |     |                |
| J7      | Audio out            | 1   | AUDIO_OUT_MAIN |
|         |                      | 2   | AUDIO1         |
| J8      | HDMI                 |     |                |
| J9      | CVBS                 |     |                |
| CN12    | Audio expansion seat | 1   | GND            |
|         |                      | 2   | AUDIO4         |
|         |                      | 3   | AUDIO3         |
|         |                      | 4   | AUDIO2         |
|         |                      | 5   | AUDIO1         |
|         |                      | 6   | AUDIO_OUT_MAIN |

|               |                  |  |  |
|---------------|------------------|--|--|
| J2、J3、CN1、CN3 | BNC IN           |  |  |
| BT1           | RTC Battery seat |  |  |