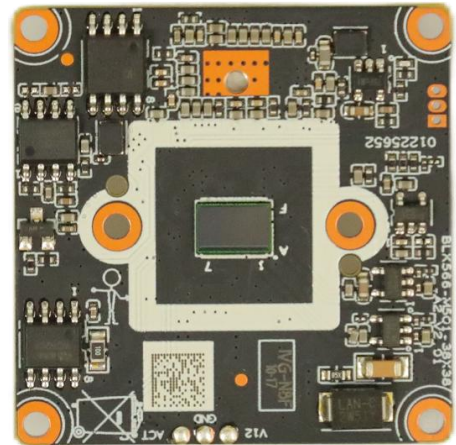


## IVG-N8F

## 8.0M Black light illumination H.265 IP Camera Module

## Features:

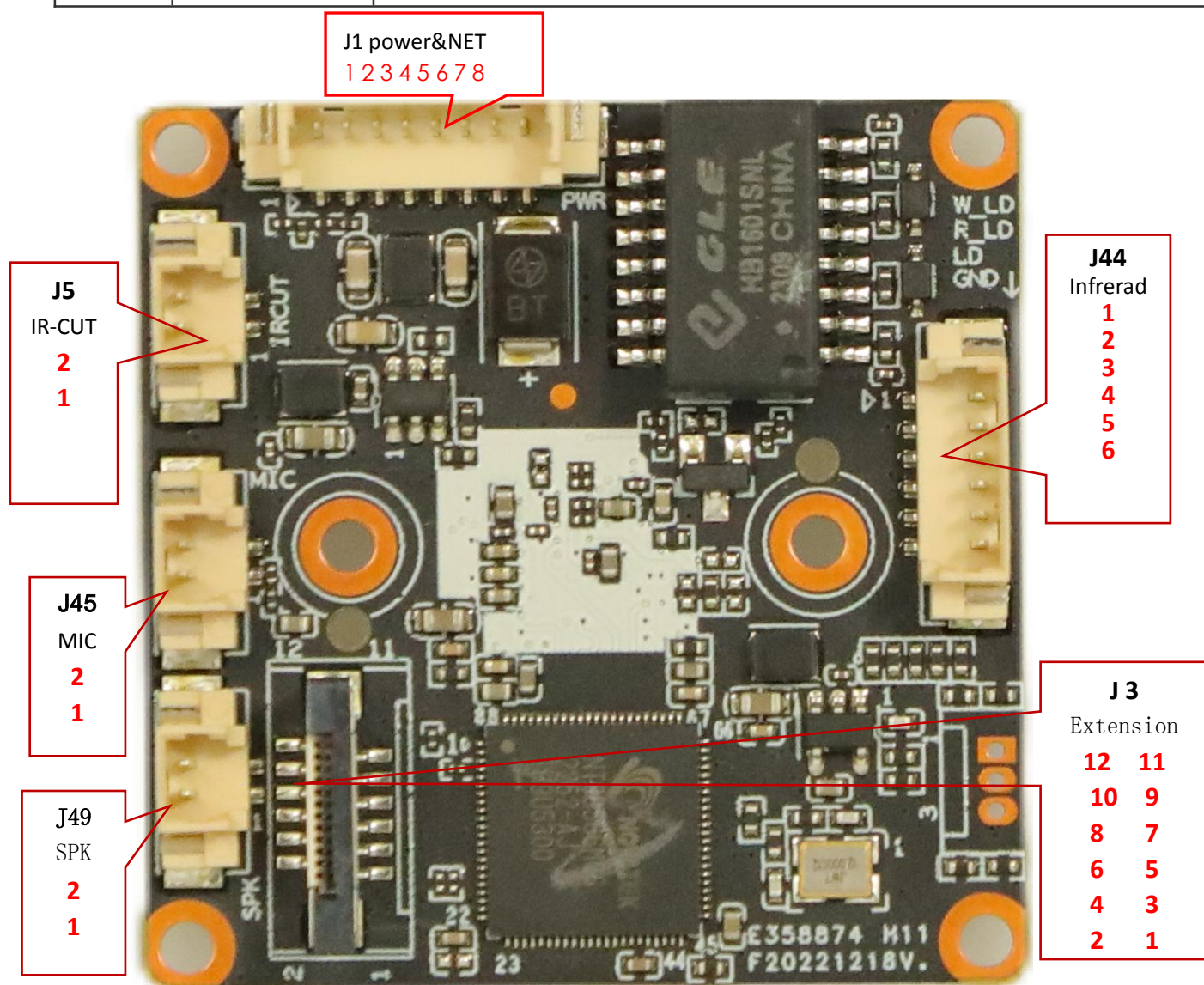
- Supporting Face detection, Humanoid detection, Vehicle detection, and supports customization of other smart functions;
- 8.0MP HD Black light illumination resolution, clear and fine images;
- Support 2D/3D noise reduction, digital wide dynamic;
- Advanced H.265AI/H.265+(Compatible with H.265/H.264) video compression, Super low rate, high definition quality of image;
- Professional anti-lightning, conform to GB/T17626.5 and IEC61000-4-5。
- Support Unifaces third party, Support various mobile monitoring(iPhone, Android);
- Provide web、CMS、center platform management software MYEYE, provide SDK development
- Support cloud technology, easy to achieve network penetration, for in-line and alarm information pushed



## Parameters:

|              | Model                 | IVG-N8F                                                                                                                             |
|--------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Module       | System structure      | Embedded RTOS, dual-core 32bit DSP(NT98566), pure hard compression, watch dog                                                       |
|              | Sensor                | 8.0M 1/2.7" SC8239 Black light illumination CMOS sensor, color 0.0001Lux@F1.2, black/white 0.0001Lux@F1.2                           |
|              | Video compression     | H.265AI(Compatible with H.265/H.264), support dual stream, AVI; 0.1M~8Mbps variable; 1~30f/s variable                               |
|              | Image output          | Main stream: 8MP 3840*2160@15fps; 5MP 2880*1616@25fps; 4MP 2560*1440@25fps; 2MP 1920*1080@25fps; sub-stream: 800*448@25fps;         |
|              | Shutter               | 1/50(1/60) s to 1/10,000s                                                                                                           |
|              | Lens                  | N/A                                                                                                                                 |
|              | Day and night         | Support IR-CUT, IR-CUT coil has an internal resistance of 20 ohms, the power-on time is less than 200ma, and the voltage is 3.5V-6V |
| Image        | Noise reduction       | Support 2D/3D                                                                                                                       |
|              | Wide dynamic          | Support digital                                                                                                                     |
|              | Auto iris             | N/A                                                                                                                                 |
| Interface    | Audio compression     | G.711, support bidirectional talk, audio&video synchronization                                                                      |
|              | Audio interface       | 1ch input, level: 2Vp-p, impedance: 1kΩ, support sound pick-up input; 1ch output, impedance: 16Ω, 30mw, support microphone          |
|              | Network interface     | 1*RJ45 10/100M adaptive Ethernet port; support RTSP/FTP/DHCP/NTP/UPnP etc                                                           |
|              | Extension interface   | Support extended SD card and WiFi                                                                                                   |
|              | Singal interface      | One photo resistance interface, one IR-CUT interface, support photo resistance signal and IR-CUT links to IR                        |
|              | PTZ                   | N/A                                                                                                                                 |
|              | Motor interface       | N/A                                                                                                                                 |
|              | Alarm I/O             | N/A                                                                                                                                 |
|              | WIFI interface        | N/A (Extended support)                                                                                                              |
|              | Reset interface       | N/A                                                                                                                                 |
|              | SD Card               | N/A (Extended support)                                                                                                              |
| Intelligence | Intelligence analysis | Supporting Face detection, Humanoid detection, Vehicle detection, and supports customization of                                     |

|                |                   |                                                                                                                                                                                                                                   |
|----------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |                   | other smart functions etc.                                                                                                                                                                                                        |
| Other function | Other function    | Support WEB,OSD,live video transmission, motion detect and IO alarm, front-end storage/playback/download, and center reminder and image linkage, support FTP capture; united remote client monitoring software、MYEYE;perfect SDK; |
|                | ONVIF             | Support                                                                                                                                                                                                                           |
|                | Mobile monitoring | Support multiple mobile monitoring (iOS, Android)                                                                                                                                                                                 |
| General        | Reliability       | Comprehensive lightning protection, 7 * 24 hours -10℃~65℃high temperature stable and reliable testing                                                                                                                             |
|                | Power             | DC12V/2A input, power consumption: ≤3W                                                                                                                                                                                            |
|                | Dimension         | 38mm*38mm                                                                                                                                                                                                                         |
|                | Other             | Support POE power supply, not support any custom, The drive voltage of the light board is at 3.3V                                                                                                                                 |



| Specific No | Interface Description | Function  | Socket              |
|-------------|-----------------------|-----------|---------------------|
| J5 IRCUT    | 1                     | IR-CUT    | IR-CUT Control line |
|             | 2                     | IR-CUT    | IR-CUT Control line |
| J2 Debug    | 1                     | UART0_RXD | Debug               |

|                          |    |                  |                  |
|--------------------------|----|------------------|------------------|
|                          | 2  | UART0_TXD        | Debug            |
|                          | 3  | GND              | GND              |
| J44<br>Infrared          | 1  | W_LED_GPIO0_4    | W_LED_GPIO0_4    |
|                          | 2  | R_LED_GPIO2_0    | R_LED_GPIO2_0    |
|                          | 3  | LED/GPIO6_5      | LED/GPIO6_5      |
|                          | 4  | GND              | GND              |
|                          | 5  | IO/GPIO6_4       | IO/GPIO6_4       |
|                          | 6  | IO/GPIO1_7       | IO/GPIO1_7       |
| J1<br>Power&Ethernet     | 1  | ETH_LINK_ACT_LED | LED/PHY_AD0      |
|                          | 2  | ETH_LINK_STA_LED | LED/PHY_AD1      |
|                          | 3  | ETHTX+           | Ethernet signal+ |
|                          | 4  | ETHTX-           | Ethernet signal- |
|                          | 5  | ETHRX+           | Ethernet signal+ |
|                          | 6  | ETHRX-           | Ethernet signal- |
|                          | 7  | GND              | GND              |
|                          | 8  | 12V              | 12V INPUT        |
| J45 MIC                  | 1  | MICN             | MIC              |
|                          | 2  | AC_IN            |                  |
| J49 SPK                  | 1  | SPKN             | SPK              |
|                          | 2  | SPKP             |                  |
| J3<br>Extension<br>ports | 1  | SDIO0_CCLK_OUT   | SDIO0_CCLK_OUT   |
|                          | 2  | SD_DATA0         | SD DATA0         |
|                          | 3  | SD_DATA1         | SD DATA1         |
|                          | 4  | SD_DATA2         | SD DATA2         |
|                          | 5  | SD_DATA3         | SD DATA3         |
|                          | 6  | SD_CMD           | SD_CMD           |
|                          | 7  | WIFI_PDN         | WIFI_PDN         |
|                          | 8  | GND              | GND              |
|                          | 9  | WIFI_DN          | WIFI_DN          |
|                          | 10 | GND              | GND              |
|                          | 11 | WIFI_DP          | WIFI_DP          |
|                          | 12 | 3V3              | 3V3              |