

## Face Recognition Infrared Camera Access control

### Feature:

- HiSilicon High algorithm Processor
- Sony 120db WDR sensor
- Max resolution 1920\*1080@30fps
- Support H.265/H.264 encoding
- Embedded SenseTime CNN face detection and recognition algorithm
- Face Detection support 12fps/sec, 50pcs faces per second
- Support attribute recognition, age, gender, glasses, hat, mask, beard, clothing, hairstyle, mood etc.
- Support face detection, face tracking, scoring, selection, recognition all functions
- Local face database up to 10000pcs
- Support 100000 attendance records storage
- 24H working, face capture normally under infrared
- Support ONVIF, GB28181, http, mqtt standard protocols
- SDK System open, support project integration secondary development

### Infor:

2MP face recognition HD IPC, support 1ch audio output, 1ch relay signal output, RTC functions. (standard with power + network + relay output + audio alarm output)

### Spec:

|                            |                       |                          |
|----------------------------|-----------------------|--------------------------|
| Model                      |                       | N20                      |
| AI Facial Bullet           |                       |                          |
| Face detection and capture | Install Angle         | Up-down no more than 15° |
|                            | Minimum pixel         | 60*60                    |
|                            | Detection sensitivity | Support                  |
|                            | Detection performance | 50pcs faces/fps          |
|                            | Face frame            | Support                  |
|                            | Area arming           | Support                  |
|                            | Capture mode          | Fixed mode               |
|                            | Capture threshold     | Support                  |
|                            | Picture upload        | FTP/HTTP/MQTT            |

|                             |                       |                                                                          |
|-----------------------------|-----------------------|--------------------------------------------------------------------------|
| comparison                  | Black and white list  | Support                                                                  |
|                             | VIP list              | Support                                                                  |
|                             | Face Database         | 10000                                                                    |
|                             | Comparison efficiency | 300ms                                                                    |
|                             | Accuracy              | >98.87%                                                                  |
| Image Sensor                |                       | 1/2.8" 2.0M SONY CMOS                                                    |
| Pixels                      |                       | 1920(H)×1080(V)                                                          |
| WDR                         |                       | Intelligent adaptive                                                     |
| Minimum illumination        |                       | 0.001lux                                                                 |
| Signal to noise ratio       |                       | ≥50dB(AGC OFF)                                                           |
| Exposure mode               |                       | Automatic exposure, BLC                                                  |
| <b>Interface</b>            |                       |                                                                          |
| Storage interface           |                       | Support expanding board, Support SDXC 4.0 standard Micro SD(TF),MAX 128G |
| Network Interface           |                       | 10/100M Network adaptation, RJ45 adapter                                 |
| Alarm interface             |                       | 1ch relay output                                                         |
| <b>Compression standard</b> |                       |                                                                          |
| Video coding                |                       | H.265 Main Profil /H.264 High Profil                                     |
| Resolution                  | Main stream           | 1920x1080、1280x960、1280x720                                              |
|                             | Sub stream            | 704*576、640x480、352x288                                                  |
| Video compression code rate |                       | 128Kbps~8Mbps (Manually adjustable), support CBR/VBR                     |
| Audio                       |                       | 1ch output                                                               |
| OSD                         |                       | Support channel name, date and time, position setting                    |
| <b>Network protocol</b>     |                       |                                                                          |
| Network protocol            |                       | TCP/IP, PTP, NTP, DHCP, UDP, SMTP, RTSP, DDNS, DNS, HTTP、P2P             |
| ONVIF protocol              |                       | ONVIF2.4                                                                 |
| GB28181 protocol            |                       | support                                                                  |
| Mobile remote               |                       | Support Android、IOS smart phone                                          |
| <b>General parameters</b>   |                       |                                                                          |
| Power                       |                       | DC 12V 2A                                                                |
| spec                        |                       | IP66, IR board, face not exposed                                         |
| Lens                        |                       | 6mm@F1.4                                                                 |
| Face Capture distance       |                       | 4m                                                                       |

