

16CH Full Real Time Face Network video recorder

Product Model : FERC7-02016K-8P



FEATURES

- ◆ Built-in face recognition algorithm
- ◆ Support front 4-channel access to face recognition camera
- ◆ Support built-in ≤3000 faces; support B/W list layout control
- ◆ Support face B/W list alarm linkage
- ◆ Support face retrieval by time period , Black and white list enquiry
- ◆ Support local face database list to face search face
- ◆ Support external face import, face search
- ◆ Support video playback to manually capture face, face search
- ◆ Support temperature screening (abnormal temperature, normal temperature, undetected) query
- ◆ Support mask screening (mask not worn, mask worn, undetected) query
- ◆ 16CH full real-time face network video access, 1U NVR case
- ◆ H.264 dual-stream decoding, embedded Linux operation system
- ◆ Support sync video recording, remote monitoring, backup
- ◆ Support VGA/HDMI sync output , support 1080P HD preview
- ◆ Support amplification preview and playback video image
- ◆ Standard ONVIF, RTSP, GB28181 protocol
- ◆ Support external alarm, bidirection talk, alarm snapshot, email sending functions
- ◆ Support 8 standard POE power supply
- ◆ Support DDNS, EMAIL, UPNP, NTP, P2P, etc
- ◆ Support WEB, mobile viewer, Client, CMS monitoring
- ◆ support IPC intelligent functions (target counting, items left/lost, electronic fence, crossing detection, retrograde detection, departure detection)
- ◆ Support grouping disk quota, and disk inventory two storage pattern, distribute different video storage capacity or cycle according to different channels
- ◆ Support IPC centralized management, including IPC parameters configuration, import and export information , information real time acquisition , etc
- ◆ Support channel grouping, preview round touring
- ◆ Support network detection (network flow monitoring, network wireshark, network clear) function, etc
- ◆ Support max 9CH sub stream sync playback and multi-channel sync play backward
- ◆ Support instant playback
- ◆ The new UI interface, support a key to open the video recording
- ◆ Support dual password authentication、 IP filter,

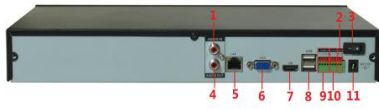
Product parameters

| VIDEO | |
|----------------------------|---|
| Network video input | 16CH |
| Network access bandwidth | 80Mbps |
| Video compression | H.264 |
| Video output | 1 CH VGA output (1920×1080@60HZ,1280×1024@60HZ) |
| | HD HDMI output (1920×1080@60HZ,1280×1024@60HZ) |
| Display mode | Synchronous output |
| System mode | 16 digits +16 preview +9 playback+ face recognition |
| | 32 digits +36 preview +9 playback |
| Video bit rate | 16-16000Kbps |
| Video resolution | 5MP/4MP/3MP/1080P/960P/720P/D1/VGA/4CIF/DCIF/2CIF/CIF/QCIF |
| Image display | 1/4/6/8/9/16 image display |
| Snapshot mode | Support timing snapshot, manual snapshot, JPEG format |
| Motion detection | Support 396(22*18) surveyed area can be set in every screen and multi-level sensitivity adjustable |
| Privacy mask | Support 4 zones |
| intelligent detection | support IPC intelligent functions (target counting, items left/lost, electronic fence, crossing detection, retrograde detection, departure detection) |
| FACE | |
| Face Recognition Preview | Support face capture results display, recognition results display |
| Access ability | Support front 4 channels access to face recognition camera |
| Face database | Support built-in≤3000 faces; support B/W list layout control |
| B/W list layout control | Support face B/W list alarm linkage |
| Intelligent search | Support face retrieval by time period |
| | Support personnel list (whitelist, blacklist, stranger) query |
| | Support local face database list to face search face |
| | Support external face import, face search |
| | Support video playback to manually capture face, face search |
| Face quality filtering | Support temperature screening (abnormal temperature, normal temperature, undetected) query |
| | Support mask screening (mask not worn, mask worn, undetected) query |
| Face tracking box | Face quality sub-threshold (0~10), the higher the value, the smaller the wrong grasp |
| | Face image quality (1~99) |
| Face recognition parameter | Face recognition minimum $\geq 80 \times 80$ |

| | | |
|-------------------------------------|-----------------------|--|
| | pixel | |
| | posture | Attitude pitch less than 25 degrees, around 30 degrees can be captured |
| | Shelter | Ordinary glasses, short sea, short brim has no effect on the snap |
| | expression | Normal slight expression does not affect the snap |
| | Face recognition rate | The recognition rate is above 95% |
| Detection mode | | Interval snapshot (interval time 1~10 seconds) |
| | | Enter the snapshot (entering time 1~10 seconds), the number of snapshot (1~3) |
| | | Leave the snapshot (number of photos: 1~3) |
| | | Enter or leave |
| AUDIO | | |
| Audio compression | | G.711u |
| Audio input | | 1 CH RCA port (IPC complex audio input) |
| Audio output | | 1 CH RCA port |
| Bidirectional talk input | | Bidirectional talk, RCA port |
| VIDEO RECORDING AND PLAYBACK | | |
| Video frame rate | | 1-30fps |
| Record mode | | manual/Timing record and alarm record/Timing record/alarm record/Stop record |
| Playback ability | | Support 9CH sub stream sync playback |
| Playback mode | | Instant playback, local record, Playback snapshot, external file playback |
| Record search | | Time, calendar, channel search, event search, (ANR, regular video, motion detection video, alarm video, intelligent detection video) |
| Video playback | | Start time, play/pause, stop, forward, backward, single frame,forward 30 seconds, backward 30 seconds,fast play(1-256X), slow play(1-1/32X)、1/4/9 split screen, previous page, next page, backup, capture, show hidden progress bar, full screen,add face template,retrieve face info,roller amplification time bar precise playback |
| STORAGE AND BACKUP | | |
| Storage interface | | 2*SATA |
| HDD capacity | | Single max.8TB |
| Disk grouping | | According video channels to set HDD quantity |
| Disk quota | | According video channels to set HDD storage capacity |
| Backup location | | Local, network, IPSAN |
| Array type | | / |
| Hot-backup management | | / |
| Backup method | | USB mobile hard disk, U disk, network backup |
| ANR | | Support FSAN IPC (with TF card) ANR |
| FUNCTION | | |

| | |
|--------------------------------|---|
| Network protocol | TCP/IP,HTTP,HTTPS,DDNS,SMTP(SSL),DHCP,PPPoE,UPnP,NTP,P2P |
| Interface protocol | ONVIF、 RTSP、 |
| Protocol port | ONVIF/RTSP/HTTP/HTTPS/RTMP port customized |
| Mobile surveillance | Support Apple, Android |
| Internet explorer | Support IE, Chrome, Firefox, Safari |
| Display function | Channel shortcuts: modify the channel, 3D positioning, display AI intelligent rules and results, capture, voice intercom, channel audio, manual recording, instant playback, video parameters |
| | Desktop display: audio input, volume, alarm information (deployment/removal), P2P cloud service, network information,Output adjustment, system information, device list (showing whether IPC is online or not, recording type), organizational structure (custom channel classification for quick preview), channel round tour, 1/4/6/8/9/16/25/36 split screen, open round tour, open linkage preview, file backup、 full screen、 Display face recognition,Face search ,hide OSD、 PTZ control, |
| IPC timing | Manual/auto/timing/reconnect timing to IPC timing |
| Alarm linkage | Send email, audible warning (buzzer), alarm on monitor, upload to center, record, snapshot, preview, PTZ linkage |
| Network detection | Flow monitoring, network wireshark, network test |
| User management | User add, delete, modify, permission management,FACEeye Scan the QR code to retrieve the password |
| | Auxiliary users(secondary password protection) |
| Manage IPC | Modify IPC parameters |
| EXT INTERFACE | |
| Network interface | 1*RJ45 100M1000M adaptive Ethernet port |
| POE interface | 8CH (IEEE 802.3af) Max. power output≤80W |
| Alarm input | 4CH |
| Alarm output | 1CH |
| RS-485 | 1CH |
| USB Port | Rear panel:2*USB2.0 |
| GENERAL | |
| Power supply | DC48V/3A (Power plug specification optional) |
| Power consumption | ≤10W (Without HDD) |
| temperature/ humidity | -10°C ~ 55°C/10 % -90 % |
| Dimension(mm) | 360(L)x242.4(W)x48(H)mm |
| Weight/PCS(g) (without HDD) | 2KG (Without HDD) |

Product size and interface



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|----------------------|----------------------|
| 1. audio input | 7. HDMI video output |
| 2. RS485 port | 8. USB 2.0 |
| 3. power switch | 9. alarm input |
| 4. audio output | 10. alarm output |
| 5. RJ45 network port | 11. DC12V power port |
| 6. VGA video output | |