128CH Full Real Time Face Network video recorder

Product Model : FS-FER7A-16128K

FEATURES

◆Built-in face recognition algorithm

◆Support front　16-channel access to face recognition camera

◆Support built-in≤10000 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

◆128CH full real-time face network video access, 3U NVR case

◆H.264 dual-stream decoding, embedded Linux operation system

◆Support sync video recording, remote monitoring, backup

◆Support dual VGA/dual HDMI Synchronous output, support 2160P HD preview

◆Support　amplification preview and playback video image

◆Standard ONVIF, RTSP, GB28181 protocol

◆ Support external alarm, dual network port, bidirection talk,alarm snapshot,email sending functions

◆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

◆Dual Gigabit network card, supporting dual network IP settings and other applications

◆Support　RAID0, RAID1, RAID5, RAID6 and RAID10, overall hot-backup

◆Support channel grouping, preview round touring

◆ Support network detection（network flow monitoring, network wireshark, network clear） function,etc

◆Support max 16CH 1080P sync playback and multi-channel sync play backward

◆Support instant playback

◆The new UI interface, support a key to open the video recording

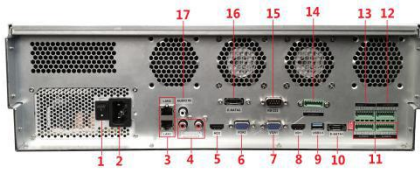◆Support dual password authentication、 N+1 hot backup、IP filter,

VIDEO	
Network video input	128CH
Network access bandwidth	640Mbps
Video compression	H.264
Video output	2CH VGA（1920×1080@60HZ,1280×1024@60HZ）
	2CH HDMI（3840×2160@30HZ,1920×1080@60HZ,1280×1024@60HZ）
Display mode	Synchronous output
System mode	128 digits +36 preview +16 playback +face recognition
	128 digits +64 preview +16 playback
Video bit rate	16-16000Kbps
Video resolution	4K/5MP/4MP/3MP/1080p/960p/720p/D1/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Image display	1/4/6/8/9/16/25/36/49/64 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 16 channels access to face recognition camera
Face database	Support built-in≤10000 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	Face quality sub-threshold (0~10), the higher the value, the smaller the wrong grasp

		Face image quality (1~99)
Face tracking box		Hide face box, show face box
Face recognition parameter	Face recognition minimum pixel	≥80x80
	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		2 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 4CH 4K/ 5MP/ 4MP, 9 CH 3MP, 16 CH 1080P record 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)、1/4/9/16 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	16*SATA, 2*E-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, NAS, IPSAN
Array type	Raid0、Raid1、Raid5、Raid6、Raid10、
Hot-backup management	Common mode,Hot backup mode(N+1 hot backup)
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, 1/4/6/8/9/16/25/36/49/64 split screen, open round tour, open linkage preview, Display face recognition,Face search,file backup、full screen、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	2 *RJ45 100M /1000M adaptive Ethernet port
POE interface	/
Alarm input	16CH
Alarm output	8CH
RS-422	1CH
USB port	Front panel: 2USB 2.0 Rear panel: 1 USB 3.0
GENERAL	

Power supply	AC100～240V,50Hz～60Hz（Power plug specification optional）
Power consumption	≤50W（Without HDD）
Operation temperature/ humidity	-10°C～55°C/10％-90％
Dimension(mm)	550(L)x442.4(W)x131.8(H)mm
Weight/PCS(g) (without HDD)	14Kg（Without HDD）

Product size and interface

1.Power switch	9.USB3.0
2.AC220V power supply interface	10.E-sata 1
3.Lan1/Lan2 interface	11.Alarm input
4.Audio output	12.Alarm output(1.2.3.4)
5.HDMI video output 2	13.RS422 interface
6.VGA video output 2	14.Alarm output(5.6.7.8)
7.VGA video output 1	15.RS232
8.HDMI video output 1	16. E-sata 2
	17. Audio in