

Datasheet

# HRS-32082A-FR50 Intelligent Facial Recognition and Comparison Equipment





### Key Features:

- Support 32-channel H.265/H.264 network video input, support 8MP camera input
- · Intuitive graphical interface
- Support multiple recording modes, manual recording, scheduled recording, motion detection recording, sensor alarm recording, intelligent event recording
- Support retrieval by time slice, or by time, event (manual, sensor, motion detection)
- Support remote web browsing and VMS centralized management
- Support dual-stream video recording, to accommodate local storage and network transmission
- · Support software RAID
- Support 4K Ultra HD local display output
- Support 32 channels of facial video data storage and facial data retrieval
- Support 8-channel real-time facial comparison, facial calculation capability up to 48 frames per second
- The facial database supports up to 10,000 faces
- Support regular, stranger, blacklisted personnel management and comparison
- Support facial tracking search

## Specifications

System	
Function	Intelligent facial recognition and comparison server
Video Standard	Standard H.265, H.264
Operating System	Embedded Linux
Output	HDMI 1 : Support 4K × 2K / 1920 × 1080 / 1280×1024 HDMI 2: Support 1920 × 1080 / 1280×1024 VGA : 1920 × 1080 / 1280×1024
Facial Recognition	
Number of Facial Group	32
Number of Facial Registrations	10000
Channels of Detection From Camera	16
Channels of Detection From Server	4
Comparison Channels	8
Facial Computing Capability	48 faces/s
Facial Retrieval	Support image retrieval by image
Target Library Management	Support face addition, editing, deletion and query
Picture Entry Method	Web, local input, USB flash drive import
External Face Input Specifications	Format: jpg, jpeg Resolution: 64 x 64 ~ 1920 x 1080 Size: ≤ 70KB
Comparison Alert	Support regular, stranger, blacklisted personnel alarms
Track	Support
Track Map Specifications	Format: jpg Resolution: ≤ 2560 x 1920 Size: ≤ 512K B
Information Statistics Chart	Bar chart
Information Statistics Mode	Support daily, weekly, monthly, quarterly, and custom time period statistics





Audio and Video Inp	out and Recording
Network Video Input	32 channels
Network Video Input Bandwidth	320Mbps
Network Video Input Resolution	8MP/5MP/4MP/3MP/1080P/960P/720P@25/30fps
Network Audio Input	32-channel IPC audio input
Intercom Input	RCA x 1
Video Stream	Dual stream recording
Video Recording Mode	Manual recording, timed recording, motion detection recording, sensor alarm recording, intelligent event alarm
Backup Mode	Support USB flash drive, USB portable hard drive, network backup
Video Playback	
Playback Channel	16-channel simultaneous playback
Retrieval Mode	Retrieval by time slice, or by time, event (manual, sensor, motion detection) or tag
Intelligent Retrieval	Highlight the video of a channel in a certain period of time, and different colors indicate different video events
Playback Function	Playback, pause, fast forward, fast reverse, previous frame, next frame, zoom, etc.
Alarm	
Alarm Mode	Manual alarm, sensor alarm, motion detection alarm, Abnormality alarm, intelligent event alarm
Alarm Input	Local 16 channels, support IPC alarm input
Alarm Output	4 channels
Alarm Trigger	Recording, snapshots, presets, emails, etc.

Network         Interface       RJ45 10M/100M/1000Mbps adaptive Ethernet port×2         Protocol       TCP/IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP         Network Security       Black and white list, account security, RTSP certification, telnet permission control         Client Connections       10         Storage         Hard Drive Interface and Quantity       SATA×8 (internal), e-SATA×1 (external)         Support Hard Drive       Up to 10TB         Capacity       Up to 10TB         Storage Expansion Mode       e-SATA x 1         RAID       RAIDO, RAID1, RAID5, RAID6, RAID10         Instructions and Interfaces         Function Button       Mouse operation, remote control operation, body button operation         Status Indicator       Network, hard drive, power indicator         USB Interface       USB2.0×2, USB3.0×1         Serial Interface       RS485         Power Supply       ATX200W         Others         Input Voltage/Current       220V/230V~50HZ 3A         Bare Machine Power       ≤ 30 W (excluding hard drive)         Consumption       -10~50°C, 10%~90% (humidity)			
Protocol TCP/IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP  Network Security Black and white list, account security, RTSP certification, telnet permission control  Client Connections 10  Storage  Hard Drive Interface and Quantity  Support Hard Drive Capacity Up to 10TB  Storage Expansion Mode e-SATA x 1  RAID RAIDO, RAID1, RAID5, RAID6, RAID10  Instructions and Interfaces  Function Button Mouse operation, remote control operation, body button operation  Status Indicator Network, hard drive, power indicator  USB Interface USB2.0×2, USB3.0×1  Serial Interface RS485  Power Supply ATX200W  Others  Input Voltage/Current 220V/230V~50HZ 3A  Bare Machine Power Consumption —10~50°C, 10%~90% (humidity)	Network		
Network Security  Black and white list, account security, RTSP certification, telnet permission control  Client Connections  10  Storage  Hard Drive Interface and Quantity  Support Hard Drive Capacity  Storage Expansion Mode RAID  RAID  RAIDO, RAID1, RAID5, RAID6, RAID10  Instructions and Interfaces  Function Button  Mouse operation, remote control operation, body button operation, body button operation Status Indicator  USB Interface  USB2.0×2, USB3.0×1  Serial Interface  RS485  Power Supply  ATX200W  Others  Input Voltage/Current  Bare Machine Power Consumption  Work Environment  Place  Black and white list, account security, RTSP certification, telnet permission control  Mouse operation, remote control operation, body button operation, body button operation A Status Indicator  WSB Interface  RS485  Power Supply  ATX200W  Others    ATX200W    Others   Supply	Interface	RJ45 10M/100M/1000Mbps adaptive Ethernet port×2	
telnet permission control  Client Connections  10  Storage  Hard Drive Interface and Quantity  Support Hard Drive Capacity  Storage Expansion Mode RAID  RAID  RAIDO, RAID1, RAID5, RAID6, RAID10  Instructions and Interfaces  Function Button  Mouse operation, remote control operation, body button operation Status Indicator  USB Interface  USB Interface  RS485  Power Supply  Others  Input Voltage/Current  Bare Machine Power Consumption  Work Environment  10  SATA×8 (internal), e-SATA×1 (external)  What internal  BAID  AND  BAID  SATA×8 (internal), e-SATA×1 (external)  Wors and internal  Bersation  Up to 10TB  Cexarran  Bare Machine Power Consumption  -10-50°C, 10%-90% (humidity)	Protocol	TCP/IP, PPPoE, DHCP, DNS, DDNS, UPnP, NTP, SMTP	
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Quantity       SATA×8 (internal), e-SATA×1 (external)         Support Hard Drive Capacity       Up to 10TB         Storage Expansion Mode       e-SATA x 1         RAID       RAIDO, RAID1, RAID5, RAID6, RAID10         Instructions and Interfaces         Function Button       Mouse operation, remote control operation, body button operation         Status Indicator       Network, hard drive, power indicator         USB Interface       USB2.0×2, USB3.0×1         Serial Interface       RS485         Power Supply       ATX200W         Others         Input Voltage/Current       220V/230V~50HZ 3A         Bare Machine Power Consumption       ≤ 30 W (excluding hard drive)         Work Environment       -10-50°C, 10%-90% (humidity)	Storage		
Capacity  Storage Expansion Mode  RAID  RAIDO, RAID1, RAID5, RAID6, RAID10  Instructions and Interfaces  Function Button  Mouse operation, remote control operation, body button operation Status Indicator  Network, hard drive, power indicator  USB Interface  USB2.0×2, USB3.0×1  Serial Interface  RS485  Power Supply  ATX200W  Others  Input Voltage/Current  Bare Machine Power Consumption  Vork Environment  -10-50°C, 10%-90% (humidity)	riara brive interrace and	SATA×8 (internal), e-SATA×1 (external)	
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Status Indicator  Status Indicator  USB Interface  Serial Interface  Serial Interface  Power Supply  Others  Input Voltage/Current  Bare Machine Power Consumption  Work Environment  Settion Network, hard drive, power indicator  USB2.0×2, USB3.0×1  RS485  RS485  ATX200W  Others  220V/230V~50HZ 3A  Settion Set	Instructions and Inte	erfaces	
USB Interface  Serial Interface  RS485  Power Supply  ATX200W  Others  Input Voltage/Current  Bare Machine Power Consumption  Work Environment  USB2.0×2, USB3.0×1  RS485  ATX200W  ATX20W  ATX20W  ATX20W  ATX20W  ATX20W	Function Button		
Serial Interface RS485  Power Supply ATX200W  Others  Input Voltage/Current 220V/230V~50HZ 3A  Bare Machine Power Consumption ≤ 30 W (excluding hard drive)  Work Environment -10~50°C, 10%~90% (humidity)	Status Indicator	Network, hard drive, power indicator	
Power Supply  ATX200W  Others  Input Voltage/Current  Bare Machine Power Consumption  Work Environment  ATX200W  220V/230V-50HZ 3A  ≤ 30 W (excluding hard drive)  -10-50°C, 10%-90% (humidity)	USB Interface	USB2.0×2, USB3.0×1	
Others       Input Voltage/Current     220V/230V-50HZ 3A       Bare Machine Power     ≤ 30 W (excluding hard drive)       Consumption     -10-50°C, 10%-90% (humidity)	Serial Interface	RS485	
Input Voltage/Current  220V/230V~50HZ 3A  Bare Machine Power Consumption  4 30 W (excluding hard drive)  Work Environment  -10~50°C, 10%~90% (humidity)	Power Supply	ATX200W	
Bare Machine Power Consumption  ≤ 30 W (excluding hard drive)  Work Environment  -10~50°C , 10%~90% (humidity)	Others		
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	Dare macrime rower	≤ 30 W (excluding hard drive)	
	Work Environment	-10~50°C , 10%~90% (humidity)	
Size (mm) 445 × 436 × 90 ( W × D × H )	Size (mm)	445 × 436 × 90 ( W × D × H )	
Weight 8 kg	Weight	8 kg	
Certifications CE, FCC, 3C, RoHS	Certifications	CE, FCC, 3C, RoHS	

## **Ordering Information**

Model	Description
HRS-32082A-FR50	Intelligent facial recognition and comparison server, H.265, 32 channel video storage, 8 channel facial comparison, 10000 facial database, HDMI*2, VGA, 320Mbps input/forwarding bandwidth, software RAID, 8 bays (excluding hard drive)

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