



All-in-one Video Management Server



FGSIP-PVMS1000

The FGSIP-PVMS1000 is an all-in-one server recorder that combines FERN360's powerful video central management system, CMS, with stream service and storage service. The FGSIP-PVMS1000 can manage network cameras for recording, live view, playback, E-map, video wall and much more. With the power of VMS, sophisticated alarm management is possible, as well as central management. The FGSIP-PVMS unique design provides both powerful storage and advanced centralized video management capabilities.

- 2U front panel HDD slots design, support up to 8 HDDs
- Support centralized storage, decoding, forwarding and management of IP cameras, stream servers, NVRs and decoders, up to 1000 channels
- Support 2 HDMI & 1VGA output interfaces and 16 1080P decoding
- Linux OS embedded operating system
- Support web management UI
- Video input bandwidth 400M, output bandwidth 400M;
- Video recording channel 200/ Forwarding channel 200 (Disable face recognition)
- Support local video storage
- Support NTP function
- Support RAID 0/1/5/6/10/50/60
- Operate the configuration and monitor the status of disk and RAID group by adopting visible management UI
- Human, vehicle, attendance, device and access control, management and control
- Face search capable
- Early warning linkage

Technical Specifications

Support management of IP cameras, NVRs and network video encoder/decoders

Device management

Support configuration of device information and account authority

Support detection of device status

Live view

Support auto switch of main and sub stream, live windows can be drag to form a large single window. Live windows can be divided into 4/6/8/10 mode or 1-5/1-7 consist of main/sub stream. The number of screens per row/column can be customized up to 64. Supports electronic zoom, image capture. Supports switch by single channel, group or all channels, users can customize switch plan

PTZ control

Support pan tilt and zoom control including 8 directions control, zoom/aperture/focus settings, preset settings, wiper control and 3D positioning

Video management

Support recording template that users can easily arrange start time, end time, week time and recording duration

Support device storage/centralized storage/local storage and multiple method for searching video

Video playback

Support timing video recording, playback, video download, image capture, multi-speed playback in server

Video wall

Support video wall template configuration and video switch

Event management

Support multiple alarm types and linkage of alarm input and output interfaces. Events can be prioritized by importance

Intelligent analysis

Support linkage of VCA functions

Alarm linkage

Support linkage of alarm output, video recording, sound, pop on video wall, e-map, image capture and preset of PTZ

User management

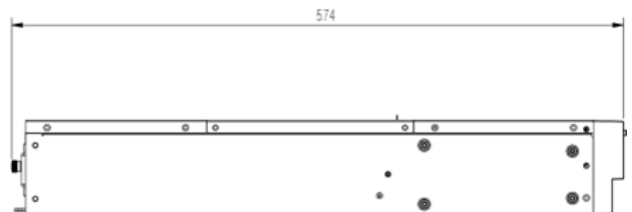
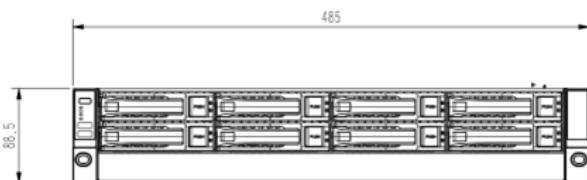
Support user account management like setting authority and expiration time

Support recording log like adding, deleting and modifying for each module independently

Log management

Support searching and exporting log information for each module

Dimensions



E-map

Support using super high-resolution picture as e-map background

Support google GIS map and different surveillance icons overlay on maps

Two-way audio

Support two-way audio to devices and volume is adjustable

Decoding

Support 2 HDMI& 1VGA output interfaces and 16 1080P decoding

Support access of IP cameras, NVRs, centralized storage and servers.

Support 150 channels access via ONVIF protocol and 500 channels via Tiandy private protocol.

Support 1000 channels via Tiandy private protocol only.

Compatible devices

Support adding, modifying, searching and deleting the organization structure and official authority

Group management

Support up to 50 face recognition cameras connection

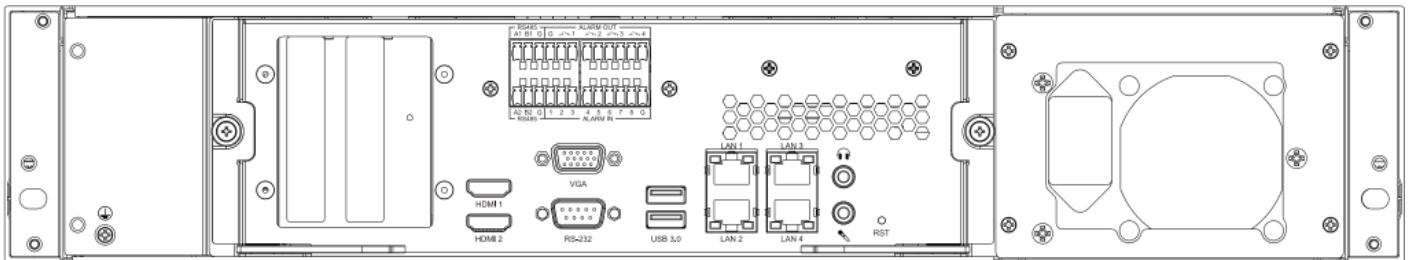
Support up to 5000 face pictures each library

Face management

Support analysis and statistics of face alarm

Support to search picture by picture and search face picture by time or name

Physical Interfaces

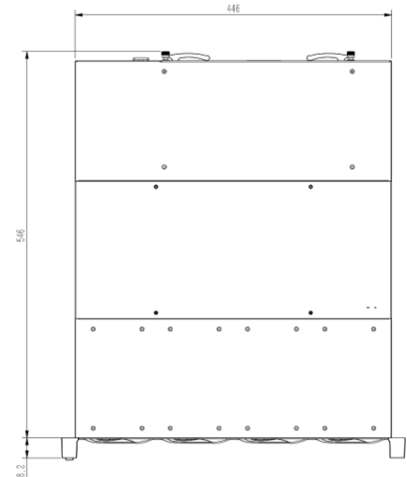
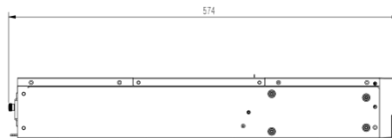
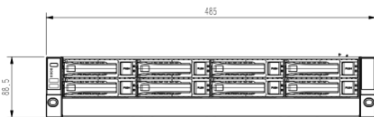


Specifications

CPU	64-bit multicore processor
Memory	24GB (3 8GB, 4 memory slots), maximum 64G
OS HDD	32G SSD
Network interface	4×RJ45 self-adaptive 10/100/1000 Mbps network interfaces
Data HDD	Up to 8 disks
HDD type	2.5" or 3.5" SATA
HDD capacity	4/6/8TB enterprise HDD 4/6/8/10TB surveillance HDD
Interfaces	2 USB 2.0 ports in front panel, 2 USB 3.0 ports in rare panel 2 HDMI, 1 VGA 2 RS485, 1 RS232 8 alarm input, 4 alarm output
RAID	RAID 0/1/5/6/10/50/60

General

Power supply	AC200V ~ AC240V, 50Hz
Power consumption	Rated power: 350W Peak power: 200W Average power: 180W
Working temperature	5 ~40
Working humidity	10% ~ 90%(RH)
Dimensions	535mm(L)×446mm(W)×88.5mm(H)



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Software

Management platform	WEB GUI
Management software	IPC access management, Recording file management, Alarm linkage
IPC channels	1000
User account	100
Middleware adapter	1
Middleware number	1(Default)
Icon overlay on map	1000
Person information	10000
Face recognition camera access	Maximum 50
ANPR camera access	Maximum 25
Access control PAD (ID card)	Maximum 70
Face turnstile	Maximum 24
Log record	500,000 per 90 days
Alarm record	5,000,000 per 90 days
Face Pad record	3,000,000 per 90 days
Face capture record	2,000,000 per 90 days
Attendace record(1000 people)	365,000 per year

Dynamic Statistics

The following listed numbers are peak performance, they may not be supported at the same time

GPS location reported	10/S
Access users	50
Online users	100
Access APP	100
Alarm go off per second	8
Picture performance	Send/Receive 25 pictures/S Less than 550K each picture, up to 18,000 pictures every day

Video performance (Picture and video storage in same time)

Video storage capability	Up to 180 channels (2Mbs, H.265)
Video forwarding capability	Up to 180 channels forwarding and decoding combined (2Mbs, H.265)
Decoding capability	Up to 16 channels in main stream (1080P, 2Mbs, H.265)

Client Requirements

CPU	Intel Core i5 or above
Memory	8G or above
OS	Win 10 (64bit)
Web browser	Chrome for Web GUI, IE 11 for middleware
Network interface	Self-adaptive 10/100/1000 Mbps network interface

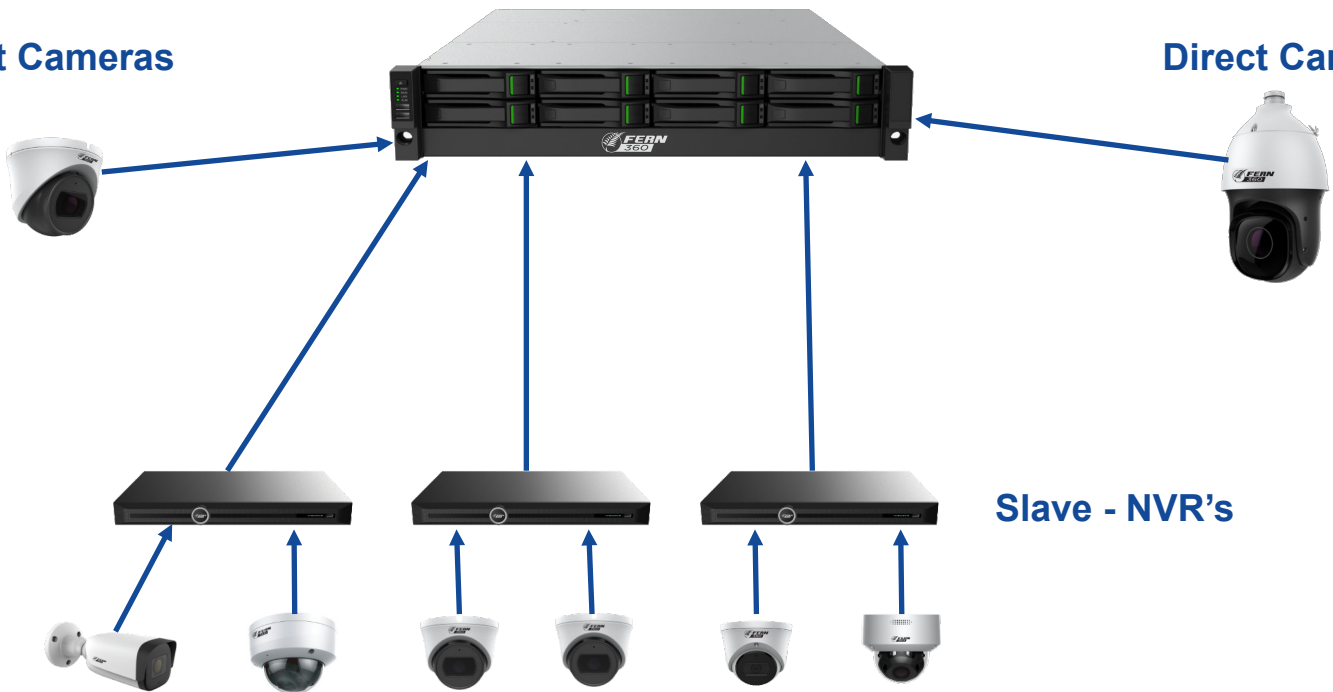


Master Slave Configuration

Master - All-in-one Video Management Server Recorder

Direct Cameras

Direct Cameras



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