



Model	PS1A-MIDSERVER
System	
Operation System	Linux
Memory	LPDDR4 8G, 64GB EMMC
Video & Audio	
Video Output	VGA×1: 1920×1080 (VGA and HDMI output the same video source) HDMI1: 3840×2160@60, 3840×2160@30, 1920×1080 HDMI2: 3840×2160@60, 3840×2160@30, 1920×1080 HDMI3: 3840×2160@60, 3840×2160@30, 1920×1080 HDMI4: 1920×1080
Multi-Screen Display	Main output 1/4/6/8/9/13/16/25/32/36 AUX output 1 1/4/6/8/9/13/16 AUX output 2 1/4/6/8/9/13/16 AUX output 3 1/4/6/8/9/13/16 Max. 84 (36+16+16+16)
Video Compression	H.264/H.265/H.265+/H.265S
Audio Output	1CH audio output (MONO Out) Support HDMI1 audio output
Audio Compression	G.711(U/A)
Live View	
Max. Resolution	16MP
Decoding Capability	1×16MP or 4×12MP or 6×8MP (only available for main output)
Playback	
Simultaneous Playback	16CH
Max. Resolution	16MP
Decoding Capability	1×16MP or 4×12MP or 6×8MP (only available for main output)
Performance	
Users	64 online users and 64 total users
Max. Number of Channel Access	512CH
Max. Number of Device Access	256 devices
Max. Number of Decoding Output	16
Max. Number of Transfer Server Access	1
Max. Number of Storage Server Access	1
Max. Channel Number of Recording per Storage Server	64
Max. Number of Channel Access of Third-party protocol	512
Max. Number of Device Access of Third-party protocol	256
Max. Channel Number of Simultaneous Preview	256 (for one client/user)
Max. Channel Number of Simultaneous Playback	16 (for one client/user)
Max. Number of Views	Up to 64 view plans can be created
Max. Number of Channel Access of Single Transfer Service	512
Max. Number of Device Access of Single Transfer Service	256
Incoming Bandwidth	640Mbps
Outgoing Bandwidth	256Mbps
Storage Bandwidth	384Mbps
Face Database	A maximum of 30,000 face pictures can be registered Comparison Capability: 30 pictures/second
Vehicle Database	A maximum of 10,000 license plates can be registered Comparison Capability: 25 pictures/second
Fisheye Camera Access	Support 1CH fisheye camera to set fisheye mode at a single time
Number of TV Wall	Max. 16 TV walls can be created
TV Wall Plan per TV Wall	Max. 64 plans can be set for each TV wall

## PS1A-MIDSERVER

### VMS Station

#### Features

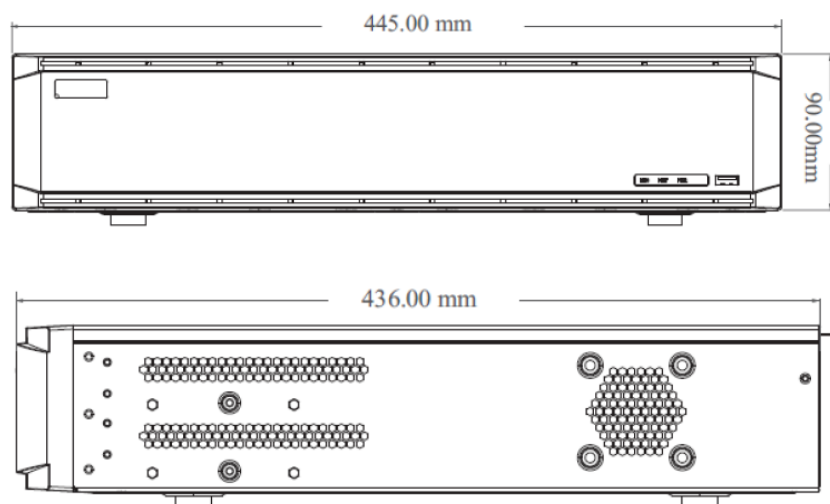
- High-performance hardware platform, stable and reliable
- Embedded Linux operating system; All-in-One simple deployment
- Supports 8 SATA interfaces and RAID0,1,5,6,10
- Supports the device access of Paramont Series
- Supports ONVIF protocol (Profile G)
- Supports standard, widescreen and customized screen display modes
- Supports 1CH instant playback and main output alarm preview
- Supports device and storage server record search, playback and download
- Supports record search and playback by time, channel, event and tag
- Supports record clip and backup; Support backup by time and event
- Supports TV wall management, including splicing, PIP, roaming and triggering video on TV wall
- Supports human/vehicle monitoring deployment and visitor management
- Supports corridor pattern
- Supports 1CH fisheye camera access at a single time
- Supports PTZ control, preset and cruise settings and calling
- Supports voice monitoring, two-way talk and broadcast
- Supports picture map
- Supports various alarm types and linkages
- Supports multi-level, multi-area and multi-user permission management
- Supports SDK development package for customized integration application

External Interfaces	
Ethernet Interface	2 RJ45 10M/100M/1000M self-adaptive Ethernet ports
Storage	SATA3.0 x 8 up to 10TB per HDD;* Supports RAID0,1,5,6,10
E-SATA Interface	E-SATA ×2
Alarm	16CH alarm input; 4CH alarm output
USB	USB3.0 ×1, USB 2.0 ×2
RS485	Full-duplex (currently no function)
Others	
Power	ATX-200W
Power Consumption	≤50 W (without HDD)
Working Temperature	14°F ~ 122°F (–10°C ~ +50°C)
Relative Humidity	10% ~ 90%
Dimensions	17.6 x 17.2 x 3.5 in (445 x 436 x 90mm)
Environmental Protection	Directive EU RoHS, WEEE(2012/19/EU) , Directive 94/62/EC and REACH(EC/1907/2006)

\*To search any log events or AI data (such as LPR or Face comparisons) from the **server side**, you must have a **HDD installed in Disk 1** and format it for **“BUSINESS DATA USE.”**

Without this HDD installed and properly formatted, **no logs can be retrieved** in the event of an unexpected issue, and **no AI events can be searched locally from the PS1A-MIDSERVER.**

For any other data you wish to save — such as live snapshots, playback recordings, or exported video — a **HDD must be installed in slots 2–8** and formatted for **“STORAGE USE.”**



#### Ordering Information

**PS1A-MIDSERVER:** VMS Station

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