



**pStor V1.2.0**  
**Datasheet**

## Introduction

pStor is a Windows-based storage service software which provides video and picture storage features. It can store the videos and pictures in its local HDDs, or work with IPSAN, FCSAN and NAS systems. PStor provides high-speed storage service as a part of Hikvision centralized management system.

## Key Components

Video and Picture Storage Server

Web Client

SAN, NAS Supported

## System Requirements

<b>OS for Storage Server</b>	Microsoft® Windows 7 (64-bit) Microsoft® Windows 8.1 (64-bit) Microsoft® Windows 10 (64-bit) Microsoft® Windows Server 2008 R2 (64-bit) Microsoft® Windows Server 2012 R2 (64-bit) Microsoft® Windows Server 2016 (64-bit)
<b>Browser Version</b>	Internet Explorer 10/11 and above Chrome 35 and above Firefox 32 and above
<b>Database</b>	PostgreSQL V9.6.2
<b>File System</b>	NTFS
<b>Disk Type</b>	Local Disk/iSCSI Disk/FC Disk/NAS Disk

## Hardware Requirements

Configurations		
Feature	Low-End	High-End
<b>CPU</b>	E3-1220 V5 (4-Core, 3.0 GHz)	E5-2620 V4 (8-Core, 2.1 GHz)
<b>RAM</b>	16 GB	16 GB
<b>NIC</b>	1 GbE x 2 Network Interface Card	1 GbE x 4 Network Interface Card
<b>HDD Type</b>	SATA 7200 RPM Enterprise Class Hard Drives	SATA 7200 RPM Enterprise Class Hard Drives
<b>HDD Capacity</b>	512 GB for pStor system installation 2 or more physical drives for recording <sup>1</sup>	512 GB for pStor system installation 2 or more standalone drives for recording <sup>1</sup>

Maximum Video Performance <sup>2</sup>		
<b>Bitrate: 2 Mbps</b>	220 channels recording 32 channels playback	340 channels recording 64 channels playback
<b>Bitrate: 4 Mbps</b>	110 channels recording 32 channels playback	170 channels recording 32 channels playback
Maximum Picture Performance <sup>2</sup>		
<b>Each Picture: 300 KB</b>	120 pictures per second writing to HDD. 100 pictures per second downloading on Control Clients.	

Note :

- Tip 1: The recording drives **MUST** be standalone hard disks and **MUST NOT** be used with by any other applications.
- Tip 2: The Maximum Performance are tested under local storage drive. If you are using the SAN/NAS solution, this performance depends on the data transfer rate of the SAN/NAS system.

## Functionality

- **Video**
  - Video Recording
  - Event Triggered Recording
  - Video Search
  - Video Playback
  - Thumbnails
  - Video Downloading
  - Upload Video from Device for Backup
  - VCA Search
  - Event Search
  - Recording after Network Recovery
  - Overwrite Videos by Date
  - Overwrite Videos by Storage Space
- **Picture**
  - Picture Storage
  - Picture Downloading
  - Picture Compression
  - Picture Cropping
  - Overwrite Pictures by Date
  - Overwrite Pictures by Storage Space
- **System Management**
  - Resource Pool Control
  - NTP

- Data Encryption
- Authority Management
- Database Backup and Recovery
- SAN/NAS Supported
- **Time**
  - DST Supported
  - Multiple Time Zones Supported
  - Configure Time Zone and DST by pStor SDK
- **License Management**
  - Online or Offline Activation
  - Online or Offline Update
  - Online or Offline Deactivation
- **Operation and Maintenance**
  - Service Status Monitoring
  - Resources and Storage Monitoring
  - Show Recording Schedules
  - Check Recording Data Integrity Automatically
  - Exception Monitoring



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