

P2000 VMS

Video Management System

Version 6.13

The Johnson Controls® P2000 Video Management System is an intelligent video security solution that offers a single, innovative, open IP video platform for video management, video analytics, system integration, and alarm management.

P2000 VMS provides a feature-rich, easy-to-use interface that installs on standard commercial-off-the-shelf hardware and software platforms, that incorporates IT-friendly features to make administration simple.

With support for hundreds of IP cameras and analog camera encoders, from several manufacturers, P2000 VMS makes it easy to find the right camera without compatibility worries.

With three software Editions the P2000 VMS has a solution for every topology and size of installation. Licensing a camera has never been so simple. P2000 VMS allows you to add licenses one at a time, limited only by the server hardware. No additional charge for servers and clients or the P2000VMS.

P2000VMS is natively integrated in the P2000 Security Management System. This allows operators to control all their security platforms from a single location, such as access control, intercom, intrusion detection, and video.



STANDARD EDITION

Single site, single server recording system

- Multiple Web Clients
- Low to Medium camera counts
- Easy migration from DVN5000 or other DVR systems
- Mobile Bridge to Android and iOS Apps Option
- Video Analytics Options
- P2000 SMS native integration

PROFESSIONAL EDITION

Single or multisite, multiserver system

Professional includes all Standard edition features and:

- Medium to high cameras counts
- Highly scalable, advanced functionality
- Active Directory Support
- Alarm Management
- Server Farms and Virtualization
- Videowall management

ENTERPRISE EDITION

Multiserver with Fail-Over back up

Enterprise includes all Professional edition features and:

- Medium to very high cameras counts
- Redundancy and Failover recording
- Business Intelligence reports

Video Analytics included in all P2000 VMS editions are:

- Camera signal loss Detection
- Camera covered, painted or moved
- Motion Detection

LEGACY DVN5000

When a DVN unit, with firmware version 2.10 or higher, is implemented in a P2000VMS system, the driver supports Pan, Tilt and Zoom (PTZ) and I/O operation. Images are recorded at P2000 VMS server at resolution max 4CIF and up to 30 FPS.

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Optional Video Analytics

The following video analytic can be added at any camera, at any time and at any of the three P2000 VMS editions.

Area Alarms and Restricted Zones

- Area alarms or restricted zones refers to the ability to highlight multiple zones in a field of view and alert on activity in any one of them while ignoring activity in unselected areas.

Automatic License Plate Recognition

- Available in four and eight camera pack, this analytic provides out-of-the-box Automatic License Plate Recognition (ALPR) functionality. It can be used for parking applications. License plates and their corresponding images are stored and can be easily searched. Various alarm scenarios can be achieved by using white or black lists.

Automatic PTZ Tracking

- The auto-PTZ tracking function will automatically control PTZ cameras when relevant activity or a rule- break is detected.

Dwell Time and Loitering

- The loitering/dwell time function recognizes how long a particular target stays in a defined field of view. In security applications, this analytic can help with identifying potential threat by detecting loitering people or vehicles. It support business intelligence.

Item Left Behind and Removed Detection

- The left/removed item function alerts on background image changes due to new or removed objects in the field of view.

Motion Tracking

- The motion tracking function compares relevant pixel changes between images and alerts on relevant foreground motion while ignoring irrelevant motion.

Object Classification

- The object classification functionality is able to segment objects between people, vehicles and unknown objects.

People and Vehicle Counting

- The counting functionality counts objects entering and leaving a field of view or crossing a virtual fence. This analytic is great for tracking attendance in large venues and counting vehicles in parking garages.

Virtual Fence and Tripwire

- A virtual fence refers to an invisible digital fence or tripwire that can send an alert when an object crosses in one or both directions. Especially useful in perimeter security.

Wrong Direction

- The wrong direction function will alert on motion going against the specified flow of traffic.

P2000 VMS
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Feature Summary
Notification

Features	Standard	Professional	Enterprise
E-mail Notification	•	•	•
Android & Apple smartphones or tablets	Add On	Add On	Add On

Video Analytics

Features	Standard	Professional	Enterprise
Camera Loss Detection (e.g. Cord Cut)	•	•	•
Camera Obstructed/Moved (Scene Change)	•	•	•
Basic Video Motion Detection (VMD)	•	•	•
Indoor People Tracking	Add On	Add On	Add On
Outdoor People & Vehicle Tracking	Add On	Add On	Add On
Left & Removed Item Detection	Add On	Add On	Add On
Left & Removed Item Detection with	Add On	Add On	Add On
Outdoor Automatic PTZ Tracking	Add On	Add On	Add On
Automatic License Plate Recognition	Add On	Add On	Add On

Client Features

Features	Standard	Professional	Enterprise
Supported Operating System	Windows 7, 8, and Server 2008+ (32 or 32 bits)		
Number of Concurrent Server Connections	Unlimited	Unlimited	Unlimited
Customizable User Interface	•	•	•
Graphical Timeline	•	•	•
View Multiple Timelines	•	•	•
Hierarchical Site Map Navigation	•	•	•
Camera List Navigation	•	•	•
Cameras from Multiple Servers and Sites	•	•	•
Multi-Monitor Support	•	•	•
Camera Sequence	•	•	•
Panoramic (360-degree) Support	•	•	•
Manually Trigger Outputs	•	•	•
Integrated Messenger	•	•	•
Alarm Console	•	•	•
Video Export	•	•	•
Bookmark Events	•	•	•
Integrated Alarm Log	•	•	•
Integrated Remote Support Module	•	•	•

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Feature Summary
Difference between the three P2000 VMS Editions

Core Features	Standard	Professional	Enterprise
Max Cameras per server	Unlimited ¹	Unlimited	Unlimited
Max Servers per system	1	Unlimited	Unlimited
Server Redundancy	---	---	•
Failover Recording	---	---	•
Redundant Recording	---	---	•
Edge storage (failover)	•	•	•
Active Directory support	---	•	•
Prevent concurrent user logons	---	•	•
Supervisor logon mode	---	•	•
Map	•	•	•
Video wall	---	---	Add-on
Mobile Client	Add-on (Mobile Bridge Server)		
Web Client	•	•	•
Alarm Management	•	•	•
3rd party access control integration	---	•	•
2-way Audio	•	•	•
Multicast video	•	•	•
Dynamic stream switching	•	•	•
Client side 360 dewarp ²	•	•	•
Camera support	More than 30 Brands + ONVIF		

Note

¹ Depending on server hardware capability, it can be limited up to 300 cameras.

² Dewarp supports 360 degree cameras

Management Features	Standard	Professional	Enterprise
Automatic Camera Detection	•	•	•
Centralized Device Management	•	•	•
Automatic Configuration Backups	•	•	•
Uninterrupted Configuration Changes	•	•	•
Remote Diagnostics	•	•	•
SNMP health monitoring	---	•	•
CPU Overload Protection	---	•	•
Guard Tours	•	•	•
Manual Control	•	•	•
Preset on event	•	•	•
OPC option	---	•	•

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Feature Summary
Client Features

Features	Standard	Professional	Enterprise
Multilanguage *	•	•	•
Manual Movement Control	•	•	•
Point and Click Control	•	•	•
Zoom on Marked Area	•	•	•
Go to Preset Positions	•	•	•
Joystick Support	•	•	•
Customizable Multi-Camera Layouts	•	•	•
Configurable Display Options (fixed)	•	•	•
Configurable Display Options (motion)	•	•	•
Configurable Display Options (alarm)	•	•	•

User Access to Clients

Features	Standard	Professional	Enterprise
Microsoft Active Directory Integrated	---	•	•
User Monitoring	•	•	•
Permissions Per User	•	•	•
Permissions Per User Group	•	•	•
Security Profiles	•	•	•
Support for Cross Domain Authentication	---	•	•

Reports

Features	Standard	Professional	Enterprise
Login Report	•	•	•
Alarm Counts and Statistics	•	•	•
Object Count Reports (e.g. People, Vehicles)	•	•	•
Heat Map, Report with highest and lowest traffic areas	•	•	•

Note

* Supported languages: English, French, Spanish, Portuguese and German (partial)

P2000 VMS

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P2000 Video Management Software Standard Edition

Ordering Codes	Description
P2K-SV-SL-S	Standard Edition license per video channel
P2K-SV-EU-SP	Edition Upgrade - Standard to Professional
P2K-SV-EU-SE	Edition Upgrade - Standard to Enterprise
P2K-VU-S	Version Upgrade - Standard Edition

P2000 Video Management Software Professional Edition

Ordering Codes	Description
P2K-SV-SL-P	Professional Edition license per video channel
P2K-SV-EU-PE	Edition Upgrade - Professional to Enterprise
P2K-VU-P	Version Upgrade - Professional Edition

P2000 Video Management Software Enterprise Edition

Ordering Codes	Description
P2K-SV-SL-E	Enterprise Edition license per video channel
P2K-VU-E	Version Upgrade - Enterprise Edition

P2000 Video Management System Options

Ordering Codes	Description
P2K-VW	Video Wall license for Enterprise or Professional edition
P2K-MBS	Mobile Bridge license suitable to any editions

Software License - Video Analytics (VA)

Ordering Codes	Description
P2K-VA-01	Indoor People Tracking This analytic is used indoors for a variety of applications such as area alarm and restricted zone, people counting, dwell (loitering) detection, motion detection & tracking, virtual fence (trip wire) and wrong direction detection.
P2K-VA-02	Outdoor People & Vehicle Tracking License per camera This analytic is used outdoors for applications such as object classification (people/vehicle/others), area alarm and restricted zone, dwell (loitering) detection, motion detection & tracking, virtual fence (trip wire), and wrong direction detection.
P2K-VA-03	Left & Removed Item Detection Used to detect items left and removed in a user defined alarm area.
P2K-VA-04	Left & Removed Item Detection with Indoor People Tracking Combines P2K-VA-03 features with P2K-VA-01.
P2K-VA-05	Outdoor Automatic PTZ Tracking License per device Automatically tracks moving objects using a PTZ camera. Includes P2K-VA-02
P2K-VA-06	Automatic License Plate Recognition License per 4 cameras Used to detect Vehicle license plates. Also includes P2K-VA-02.
P2K-VA-07	Automatic License Plate Recognition License per 8 cameras Used to detect Vehicle license plates. Also includes P2K-VA-02.

Note

Licenses are per video channel
 Video Analytics can be added at any P2000 VMS Software editions.