

**VideoNet****PSIM****9.1**  
VERSION**TECHNICAL  
SPECIFICATION**

WWW.VIDEONET9.COM

	VideoNet-Light	VideoNet-Business	VideoNet-Pro	Corporate
OS supported	Windows 10, 2016	Windows 10, 2016	Windows 10, 2016	Windows 10, 2016
PSIM Platform	●	●	●	●
Hardware support of video devices (cameras, NVRs/DVRs etc.)	●	●	●	●
Hardware support of access control system devices (controllers, readers, locks etc.)	●	●	●	●
Hardware support of fire/intrude alarm system devices (FACU, detectors, etc.)	●	●	●	●
Hardware support of perimeter security system devices (system controllers, detectors, etc.)			●	●
OPC DataAccess 2.0 support			●	●
Number of VideoNet servers in system	1	4	24	unlimited
Total number of servers and clients in system	1	5	unlimited	unlimited
Number of cameras per server	up to 32	up to 64	unlimited	unlimited
Total number of cameras per system	32	256	unlimited	unlimited
Number of access controllers per ACS server	10	20	unlimited	unlimited
Number of fire/intrusion controllers per FIAS server	10	20	unlimited	unlimited
Number of POS terminals per server			unlimited	unlimited
Number of perimeter security devices			unlimited	unlimited
Number Cash of counting machines per server			unlimited	unlimited
Multi-Monitor Support	●	●	●	●
Videowall	●	●	●	●

Customizable User Access Levels and Groups	●	●	●	●
Specialized data storage format	●			
Additional archive access protection	●			
Additional system access protection	●			
Software auto update service	●	●	●	●
VideoNet Corporate Edition				●
Access from web-browsers, mobile devices including IOS, Android, Windows Mobile	●	●	●	●
IOS Mobile App	●	●	●	●

## Interface

Adjustable user interface	●	●	●	●
Video view console	●	●	●	●
Event log console	●	●	●	●
Alarm console	●	●	●	●
Device tree view	●	●	●	●
Access control environment	●	●	●	●
Video analytics environment			●	●
Records graphic view	●	●	●	●
Multilanguage	●	●	●	●
E-Map support		●	●	●

## Graphic plans

Multi-level graphical plans creation		●	●	●
Placement of video surveillance systems, ACS, FIAS, perimeter security systems equipment on the graphical plan		●	●	●
Automatic positioning and		●	●	●

scaling on the source of alarm

Group management of devices



View video from the camera directly on the graphical plan



Displaying the status of devices on graphic plans



## Management

Microsoft® Active Directory



Automatic search of devices connected (local and network)



Centralized device management



Configuration import/export



Remote diagnostics



## Alerting and notifications

Alarm inputs/outputs



E-Mail notifications



SMS notifications



## Mobile devices and web-browsers

Single camera view mode



Multi-camera view modes



Broadcasting audio to cameras (only for iOS mobile app)



Frame rate management



Playback from archive



Actuator control



PTZ control



Event log



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# Video Management System

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Local and remote device configuration	●	●	●	●
Support for Multiple Camera Types (e.g. analog, 960h, AHD, HDCVI, HDTVI, IP, etc.)	●	●	●	●
Video recording	●	●	●	●
Audio recording	●	●	●	●
Local recording to server	●	●	●	●
Recording to network storages	●	●	●	●
Recording on schedule	●	●	●	●
Recording on event	●	●	●	●
Recording on Alarm	●	●	●	●
Emergency recording	●	●	●	●
Image quality management for remote monitoring	●	●	●	●
Digital zoom	●	●	●	●
Archive capacity	unlimited	unlimited	unlimited	unlimited
Synchronous multi-cameras playback	●	●	●	●
Export audio/video to .avi	●	●	●	●
Multicast			●	●
Alarm inputs/outputs	●	●	●	●
PTZ control	●	●	●	●
IP cameras multistream support	●	●	●	●
Network Video Support (MJPEG, MPEG4, H.264, H.265)	●	●	●	●
Fisheye cameras support	●	●	●	●

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# Video Analytics



Neural-network object classifier  
(person, car, bus, bike, bicycle,  
dog, train, plane)

Face detector	●	●	●	●
Motion detector	●	●	●	●
Crossing line detector	●	●	●	●
Direction detector	●	●	●	●
Lost object detector	●	●	●	●
Object counter	●	●	●	●
Motion detector	●	●	●	●
Neural-network queue length counter (people, cars, buss, bikes, bicycles)	●	●	●	●
Smoke detector	●	●	●	●
Fire detectors	●	●	●	●
Sabotage detector (lost signal, camera closing, camera movement)	●	●	●	●
Sound detector	●	●	●	●
User selected detection zone	●	●	●	●
Intellectual search in video recorded			●	●
Heat map video report	●	●	●	●

## Face recognition

Real-time automatic face detection			●	●
Face matching with databases of faces (without restrictions)			●	●
Classification of a person by image of a face (gender, age, emotions)			●	●
Checkpoint automatization			●	●
Multi-factor access identification: by face, card, fingerprint			●	●
Automatic control of executive devices by the result of face			●	●

## recognition

Informing by SMS, e-mail, etc.	●	●
Search for faces in the archive by the specified parameters: photo, age, gender, time and date	●	●
Automatic face count	●	●
Alarm generation when a face is substituted by a photo	●	●
Generation of reports	●	●

## Automatic recognition, registration of licence plates

Automatic number plate recognition module (Automarshal up to 270 km/h)	● ●
Automatic number plate recognition module (Autouragan up to 150 km/h)	● ●
Automatic recognition, registration of licence plates	● ● ● ●
Saving licence plate to the database	● ● ● ●
Video recording of passage events	● ● ● ●
Automatic mapping of licence plate to databases	● ● ● ●
Automation of access mode, access devices and barrier management	● ● ● ●
Automatic control of actuators based on the result of licence plate recognition	● ● ● ●
Notification by SMS, e-mail, etc.	● ● ● ●
Search for events by different criteria	● ● ● ●
"Cars in the territory" analytical report	● ● ● ●
"Parking time" analytical report	● ● ● ●

## PTZ

Rotation of the camera to the specified area in the video window	●	●	●	●
Manual control	●	●	●	●
Automatic patrolling mode	●	●	●	●
Event to preset mode	●	●	●	●

## ACS

Local and remote device configuration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Number of Users, Departments, Access rights	unlimited	unlimited	unlimited	unlimited
Number of schedules supported	unlimited	unlimited	unlimited	unlimited
Flexi-time scheduling support	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Photo verification function	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Badge graphic editor	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ACS devices management from the graphical plans		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Displaying the device status on graphic plans		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Processing events from the ACS devices in real time	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Automatic reaction to events	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## ACS Reports

Working time report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
"T13" analytical report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Overtime report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Violation report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Who was in room report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Moving staff on the site report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Analytical reports on events in the system	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## FIAS System

Local and remote device	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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configuration

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Device control from E-maps



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Online device status on E-maps



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Processing events from the  
ACS devices in real time



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Automatic reaction to events



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## Perimeter Security System

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Local and remote device  
configuration



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Device control from E-maps



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Online device status on E-maps



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Event handling in system  
scheduler



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Online event handling

