

OVS NVR 3.5.9 Specification Sheet



Main Features

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| <ul style="list-style-type: none"> • Supports up to 64* channels per server • Supports megapixel IP cameras • Supports H.264 compression format • Triple monitor display • Remote playback, remote backup, remote I/O control and remote desktop configuration • POS, I/O device, LPR and access control integration • Windows Active Directory • Privacy Mask • Boost Recording • On the edge motion integration • Supports auto backup • Instant Playback • Two-way audio | <ul style="list-style-type: none"> • Unique GUI recording schedule • Digital PTZ and multi-view • Smart detection of 6 events with 10 instant responses • Counting application • Intelligent playback system with 5 video analytic searches • Supports 53 brands of IP cameras and over 2000 models • Supports trans-code and multiple stream profiles • Supports digital watermark • E-map • Up to 128**CH remote live view • Integration with OVS Central Management System • Supports 27 languages • Supports Windows mobile , iPhone, iPad , Android and Blackberry clients |
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* The maximum number of camera connections depends on the server's hardware configuration and the total bit rate of the IP cameras. **The maximum number of camera connections depends on the server's and client's hardware configuration.

Specifications

System Management and Integration:

1. **Open Platform:** Supports over 2000 IP cameras models from 53+ network camera manufacturers and supports H.264, MPEG-4, MJPEG, video formats
2. **Integrates** various systems including point of sale (POS) and I/O devices, license plate recognition and access control.
3. **Multi-site/Multi-server:** Each NVR server supports up to 64* IP.
* The maximum number of camera connections depends on the server's hardware configuration and the total bit rate of the IP cameras. Please check the OVS calculator.
4. **Disk Load Balance:** OVS NVR improves recording performance to utilize several disks and dynamically distributes the video loads among the disks to improve throughput.
5. **Multiple Video Clients:** OVS NVR servers can stream video to multiple remote live viewers, web clients and mobile clients simultaneously.
6. **Intelligent Video Analytics:** OVS IVA supports 6 types of video analytics including general motion, missing object, camera occlusion, foreign object, focus lost and signal lost. Each IVA alarm can trigger up to 10 unique instant notifications.
7. **Intelligent PTZ:** Supports both physical joystick and digital PTZ. Preset points and patrol functions are also available on most camera models.
8. **GUI Recording Schedule:** Intuitive GUI featuring continuous recording, motion recording and 6 unique

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event recording modes. Users can define the recording schedule for each camera on a day by day basis.

9. **Triple Monitor:** Up to 64* channels of live view video can be displayed per monitor. Monitor 1 and monitor 2 can both display live video or act as alarm monitor while the 3rd monitor can be used for playback.
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10. **Transcoding:** Record and display live video at different frame rates and resolutions.
11. **Boost Recording:** Boost recording quality on motion and other events to optimize recording storage.
12. **Advanced E-Map:** Capability to import custom image file, place the cameras and I/O on the map to indicate where events are being triggered with a convenient video preview window.
13. **User-Friendly Interface:** GUI recording schedule, camera drag and drop, I/O control menu and PTZ control menu.
14. **Automatic Camera Model Detection:** automatically search for all available IP cameras within the network (camera must support UPnP protocol). For cameras that don't support UPnP, users can manually add the IP camera. The auto detection function will help the user to find the brand and model of the camera after specifying its IP address.
15. **Counting Application:** intelligent 2-way (in and out) counting of objects, people and traffic.
16. **User Authority Management:** Support unlimited number of users with detailed and fully customizable user privileges for each user.
17. **Windows® Active Directory:** Synchronized with Windows® Active Directory server to manage user privilege and control of camera action.
18. **Network Flow Monitor:** Data streaming bandwidth of each remote client connection to the NVR server can be monitored and blocked if the flow rate is too high.
19. **Auto Recycle:** Automatically recycle recording files when the storage is full. Separate recycle schedule between recordings and various log files.
20. **SDK Integration Support:** Open SDK for integration with third-party systems such as access control, automation, burglar alarm, video analytics and others.
21. **Upgrade notification:** Automatically obtain upgrade notification from OVS website to download the latest version.

Live Display:

1. **Multi-view:** OVS NVR can duplicate the same live view video onto multiple channels and digitally zoom in to see the details of different spots on cloned channels without losing the original live view video.
2. **Intelligent PTZ:** Joystick support on PTZ cameras and software enabled digital PTZ function are both available in OVS NVR. Preset points and patrol functions are also available on many camera models.
3. **Monitor Resolution:** Supports 1024x768, 1200x900, 1280x1024, 1440x900, 1600x1200, 1680x1050, 1920x1080, 1920x1200 screen resolutions
4. **Advanced E-Map:** Freedom to import custom image files, place the cameras and I/O on the map to indicate where events are getting triggered with a convenient video preview window.
5. **Bandwidth Monitor:** Monitor and display the bandwidth usage of individual cameras and remote viewing clients.
6. **Two-way Audio:** Listen and record audio from camera's microphone. Talk via the IP camera's speaker.
7. **Instant Playback:** Play the last few minutes of any live video channel on Main Console and Remote Live View
8. **Privacy Mask:** Protect privacy by blocking out sensitive areas from view and covering the areas with black boxes in live, playback and exported video.

Playback, Search, Export and Secure data:

1. **Post-Recording Processing:** Search for 5 types of different analytic events, digital PTZ and video enhancement tool are all available in playback.
2. **Multi-Channel Playback:** Play up to 16 channels of recorded video simultaneously- locally and remotely. Forward playback at 1/16x, 1/8x, 1/4x, 1/2x, 1x, 2x, 4x, 8x, 16x, 32x, 64x.
3. **Video Enhancement:** Fine tune the image's visibility, sharpness, brightness, contrast, and grey scale.
4. **Intelligent Search:** Search for 5 different event types (general motion, missing object, foreign object, camera occlusion and signal lost) in recorded files with date, time and log file.
5. **Video Export:** Take a snapshot of the recording in JPEG/BMP format or export a section of the video in "AVI" and "ASF" format.
6. **Auto and Manual Backup:** Scheduled or manual backup of recordings for archiving purposes or backup the

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recording with an embedded player to watch at a separate location. NVR supports both local and remote backup to local HD, CD, and DVD.

7. **Log data:** Unusual event, system log, counting application, POS log and export and backup can export to “xls” or “txt” file
8. **Watermark:** Protect the original recording from alternation with our watermark verification tool.
9. **DBTool:** Reconstruct, repair or relocate the recordings on a local drive, or external drive.

Remote operations:

1. **Multiple Live View Display:** Streaming live video from multiple OVS servers (NVR, DVR, and NDVR) simultaneously. Dual monitors support with up to 128 channels per monitor (64* channels per monitor).
 - a. The maximum number of camera connections depends on the server's hardware configuration and the total bit rate of the IP cameras. Please check OVS Calculator.
2. **Multi Playback Channels Display:** Remote playback of 16 channels recording from any one of the OVS servers (NVR, DVR, and NDVR).
3. **Intelligent PTZ:** Joystick support on PTZ cameras and software enabled digital PTZ functions are both available in OVS NVR. Preset points and patrol functions are also available on many camera models.
4. **I/O Event Control:** Easy to use input and output control panel to remotely trigger digital outputs and monitor input status.
5. **E-Map:** A map view of where each camera and I/O devices are located with a convenient preview window.
6. **Two-way Audio:** Listen and record audio from camera's microphone. Talk via the IP camera's speaker.
7. **Remote Backup:** Backup the video to .DAT format with an OVS player attached for easy achieve and viewing purposes.
8. **Web-browser (client):** Display up to 64 channels of live video stream or 16 channels of playback in I.E. from any single OVS server. Supports direct login information (user/pass) in a URL address
9. **PDA Viewer:** Up to 16 channel snapshot or 1 channel live display; PTZ and I/O control.
10. **Mobile Client:** Supports iPhone, iPad, Android and Blackberry clients to view live video and control PTZ.

Remote Applications:

1. **Central Management System:** Ultimate central monitoring solution for large scale projects with multiple sites. Fully compatible with all OVS servers (NVR, DVR, NDVR and NVRmicro).
2. **Remote Desktop Service:** Embedded remote desktop server that will host any OVS remote desktop client. Remotely configure the NVR software (remote desktop client is installed separately).
3. **3GPP Service:** OVS NVR supports mobile devices through 3G network to stream live view video.

External Devices:

1. **Point of Sale (POS):** OVS Point of Sales system works on OVS NVR by overlaying the transaction text from cash register onto live video channels. All POS recordings are searchable.
2. **External I/O Capacity:** Please refer to our I/O box section: C24/C26/C28 for more details.
3. **Panomorph PTZ Camera (360°):** Integrates ImmerVision Lens (IMV1-1/3 Lens supported) to view Live, record and playback the complete 360x180 FOV. Users can easy to detect, track and view the entire area.
4. **3rd Party Integration:** Metadata Plugin technology supports 3rd party software including license plate recognition, access control and so on. Through Metadata Plugin, users can manage metadata by recording real time information in databases which can describe events that link to video and audio. The system provides a smart search tool to retrieve information and recorded video.

Smart Guard:

1. **Smart detection** of 6 camera events, 14 different user-defined POS events, digital input events and 4 system events.
2. Camera Events:

• General Motion (Multi sensitivity)	• Focus Lost
• Edge Motion	• Camera Occlusion
• Missing Object	• Signal Lost
• Foreign Object	• Digital Input Event

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3. System Event:

<ul style="list-style-type: none"> System alarm on Full Disk Space 	<ul style="list-style-type: none"> System alarm on Resource Depleted (CPU loading)
<ul style="list-style-type: none"> System alarm on System Health Unusual (CPU temperature) 	<ul style="list-style-type: none"> System alarm on Network Congestion

4. Instant alarm notification is the fastest and most cost efficient way to automatically respond to any smart detection event.

a. 10 automatic instant alarm responses:

<ul style="list-style-type: none"> On Screen Display 	<ul style="list-style-type: none"> Signal Digital Output
<ul style="list-style-type: none"> Play Sound 	<ul style="list-style-type: none"> Send a SMS message
<ul style="list-style-type: none"> Send E-mail 	<ul style="list-style-type: none"> Send to Central Server
<ul style="list-style-type: none"> Phone Call 	<ul style="list-style-type: none"> Send Snapshot to FTP
<ul style="list-style-type: none"> PTZ Preset Go 	<ul style="list-style-type: none"> Popup E-Map on Event

5. Schedule-based: Users can define the smart guard schedule for each event on a day by day basis

Specifications					
Model	ovl-ip1 Series				
IP Camera Input(s)	4, 8, 12, 16, 25, 32, 36, 64*				
Version	3.5 or higher				
IP Camera Brand(s) Supported (with device pack v1.10.0)	ACTi	Arecont	ARM	Atlantis	Axis
	Basler	Bosch	Brickcom	Camtron	Cisco
	CNB	CryptoTelecom	Dallmeier	DiGiMERGE	D-Link
	DYNACOLOR	Eneo	ETROVISION	EverFocus	Eyeview
	Fine	HIKVision	Hitron	Honeywell	iCANTEK
	IQinVision	JVC	LevelOne	LILIN	Linksys
	LOREX	Lumenera	MOBOTIX	Moxa	NetworkCamera
	Onvif	Panasonic	Pelco	Pixord	Planet
	SAE	Samsung	Santec	Sanyo	Seorim
	Sony	StarDot	Toshiba	Truen	Videosec
	Vivotek	Y-cam	Zavio		
	Digital PTZ	Supported in Live view and Playback			
Multiple Show	Supported in Live view				
Triple Monitor	Maximum 64 channels with two screens to show live video and view recorded video on the third monitor.				
Screen Resolution	1024x768, 1200x900, 1280x1024, 1440x900 1600x1200, 1680x1050, 1920x1080, 1920x1200				
Audio & Video Recording	Synchronized audio & video recording.				
Screen Division	1/4/6/9/10/13/16/25/36/49/64 divided screen.				
Compression Format	H.264;MPEG-4;M-JPEG;MxPEG				
Recording Type	Continuous, by digital input, motion, event, boost record, by schedule, manual record				
Playback Channels	Playback Maximum 16 channels under several modes & full screen.				
Playback Control	Playback, backward playback, fast forward/backward playback.				
Auto Recycling Recording	Auto recycling when storage disk is full.				
Available I/O Function	Supporting I/O Box				
Available POS Device	C31 RS232 to Ethernet Convertor				
Hardware Watchdog	N/A: software watchdog available				
For non OVS Built Systems: Minimum Requirements					
OS Supported	32bits: MS Windows XP pro SP3 / Vista SP1 / Win 7 SP1 64bits: Win 7 SP1/ Win Server 2008 R2				
CPU	Intel Core 2 Duo E5300				

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RAM	2 GB
HDD	250 GB or above
Motherboard	Intel P55, H55, X58, P45, P43 chip, MB vendor ASUS Gigabyte or MSI with Intel Chipset recommended
Display	ATI Radeon 4650 or above (ATI Driver V11-2 recommended,)

Note

* The maximum number of camera connections depends on the server's hardware configuration and the total bit rate of the IP cameras. Please check OVS calculator.

Supported Languages

Bulgarian	Chinese (Simplified)	Chinese (Traditional)	Czech
Danish	English	Farsi	Finnish
French	German	Hebrew	Hungarian
Italian	Japanese	Korean	Norway
Polish	Portugués (Brazil)	Portuguese (Portugal)	Romanian
Russian	Serbian	Slovak	Spanish
Swedish	Thai	Turkish	



Available Chassis:

Tower



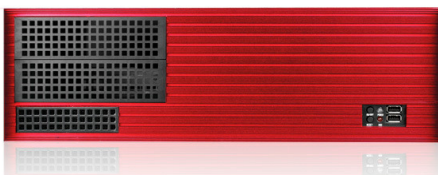
Dimensions (WxHxD) 7.08" 16.06" x 17.87"

4U Rack Mount



Dimensions (WxHxD) 19.00" x 7.00" x 20.80"

3U Desktop / Rack Mount



Dimensions (WxHxD) 19.00" x 5.25" x 15.35"

Servers



Dimensions (WxHxD): Custom Built (3U shown)

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