Luxriot Video Management System (VMS)

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Luxriot Software is a Digital/Network Video Recording (DVR/NVR) and remote surveillance software package for Windows based PC`s.



Luxriot Software, as any video recording and surveillance solution is primarily used to:

- View live video from multiple sources locally and remotely over the Internet
- Record video from multiple sources and play it back later, locally or remotely
- Export previously recorded video to preserve it and to present it as evidence

Luxriot Software currently supports more than 1400 devices from more than 80 manufactures















Standard Surveillance Features:



- Continuous recording
- Multiple screen configuration options
- Motion detection hardware and software
- Remote connection real-time playback
- Video export features: single images and video clips
- More than 25 camera layouts and unlimited layout sequences
- Server watchdog with performance monitoring options

Advanced Surveillance Features:



- User-friendly wizards
- User permissions and privileges Management
- Luxriot supports Digital PTZ functionality on all cameras in live and recorded mode
- Multiple clients can be connected to a single server
- Client can be connected to multiple servers simultanously
- Each camera is individually configurable
- All recordings have graphical search option
- Alarm and Action Management
- Video Content Analysis
- Server side multicast support
- Access to archives and cameras via mobile devices.
- User Audit
- Multistreaming support
- Fisheye video stream dewarping support

Unique features:



- Fully-featured Client application
- Server can run as a Windows service
- Full featured local and remote playback
- Client configuration
- Support for the standard DirectShow devices
- Screen may be configured for wide-screen monitor (WXGA)
- Supports all major brands of Network (IP) cameras and Network Servers
- Network Camera Search Wizard
- Supports unlimited number of cameras
- Efficient CPU usage
- Full range of editions
- Efficient as Hybrid solution

Luxriot Editions:

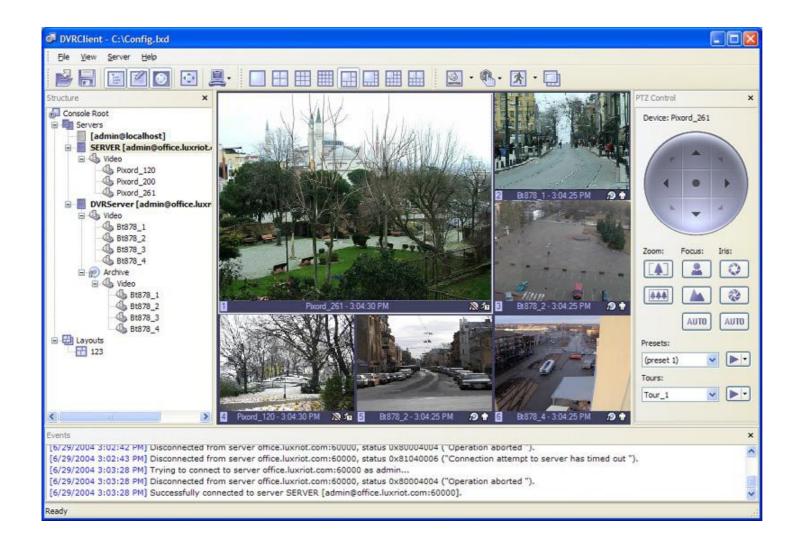


In order to better suit our customers' needs and budgets, Luxriot has 5 editions. These editions range from Personal to Enterprise and each edition varies in the number of allowed cameras, the number of simultaneous remote DVR Client connections as well as other limitations, or lack thereof. However, all of the Luxriot editions have the same user-friendly interface and functionality.

	Personal	Basic	Professional	Advanced	Enterprise
Maximum number of cameras	1	4	9	16	Unlimited
Maximum number of remote connections	1	1	3	5	Unlimited

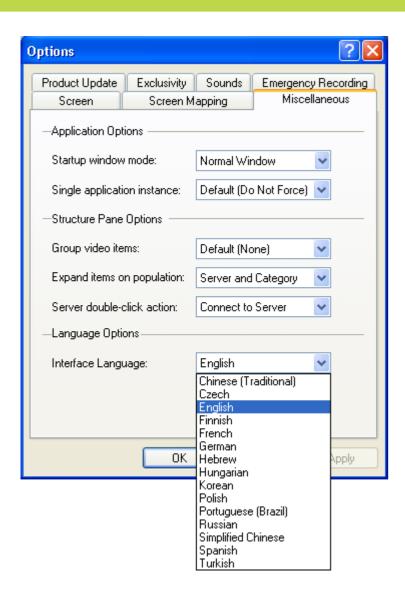
Luxriot Client can efficiently utilize different screen resolutions and aspect ratios. Event window allows you to see all system events in realtime mode.





Luxriot Software is currently available in 14 languages.





Chinese (Traditional, Simplified), Czech, Danish, English, Finnish, French, German, Hebrew, Hungarian, Italian, Korean, Polish, Portuguese (Brazil), Russian, Spanish, **Turkish**

Luxriot Video Analytics





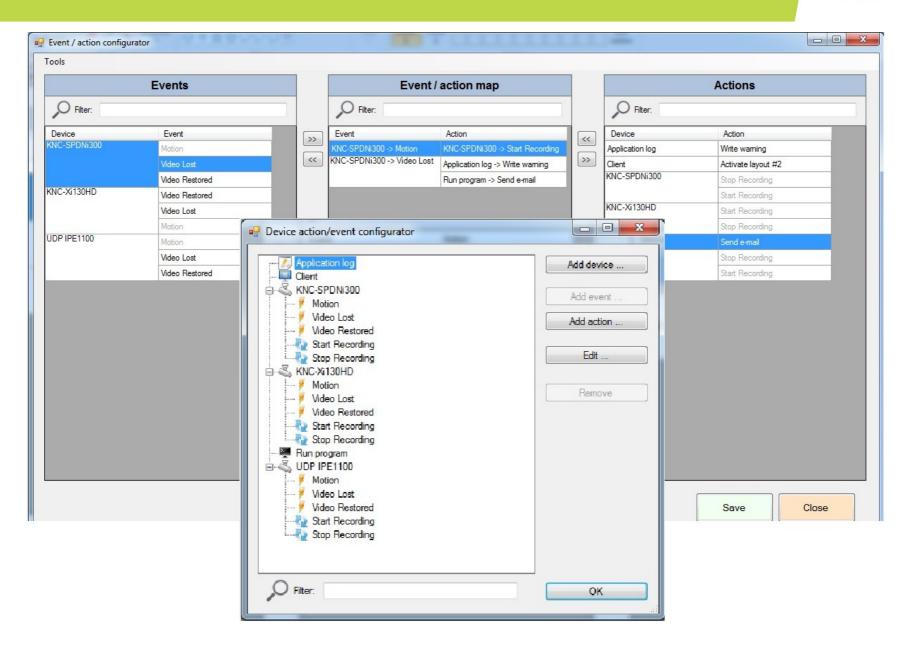
Supported Analytics



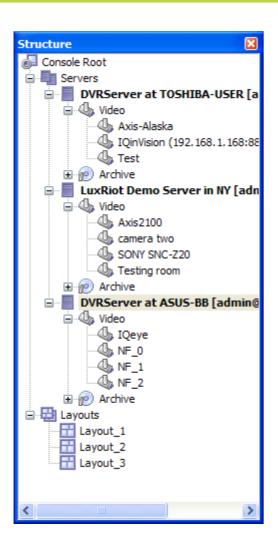
- Tamper Detection;
- Camera Shake Elimination;
- Standard Tracker;
- Presence Filter;
- Abandomed and Removed objects;
- Class and Speed filters;
- Detection and Dwell filters;
- Tailgating;
- On Screen Counter;
- Metadata;
- Counting Line;

Rule Based Advanced Event Manager









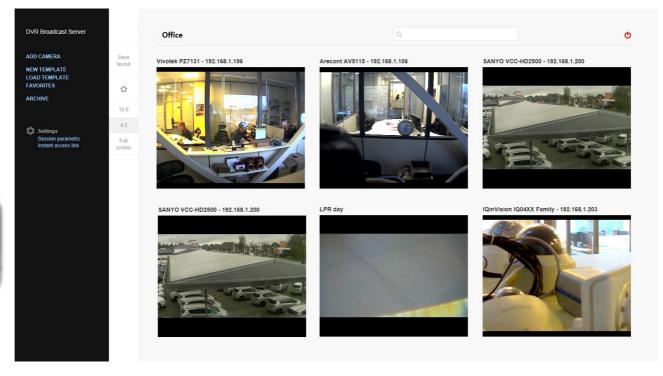
LuxRiot Client allows you to have simultaneous connections to several servers.

Cameras from different physical servers could be combined into the logical groups Layouts, which specify video screen configuration and actual cameras to be displayed in the windows.

It is also possible to combine Layout to Layout Sequences with your own sequence preferences.



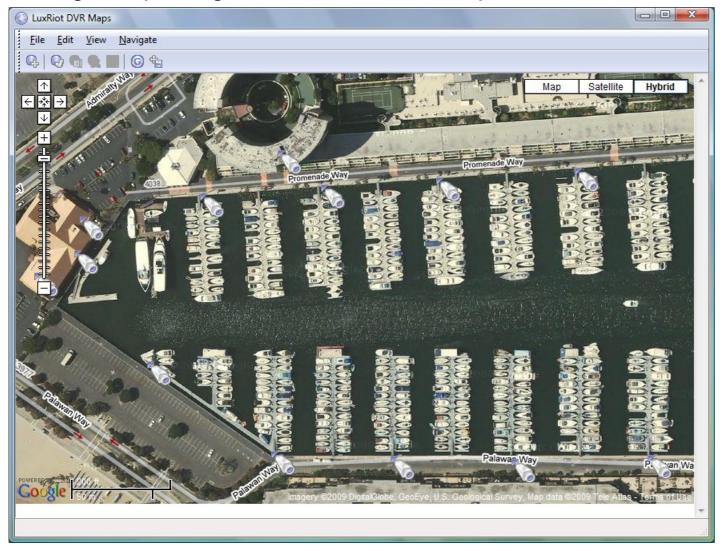
Luxriot Broadcast Server will resample and recompress video stream for web or mobile client depending on connection speed and viewing capabilities.



Luxriot Broadcast Server is a great option for those who prefer to avoid installing any additional software on their computers.



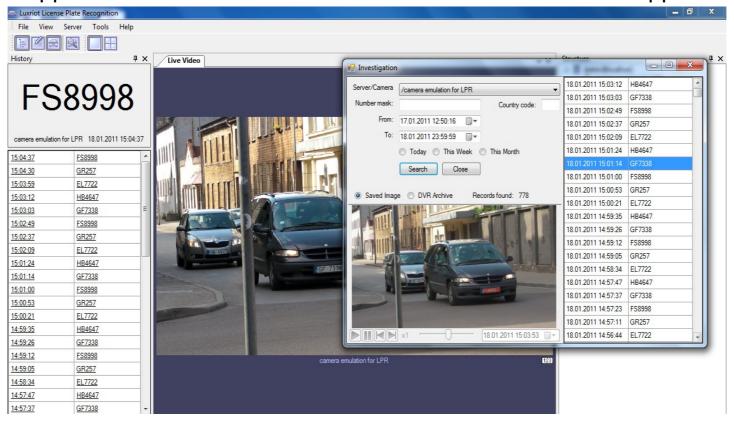
•Google Map Navigation – Yacht club example



Luxriot LPR software



Luxriot LPR is an automatic License Plate Recognition application that is designed to work with Luxriot VMS Server. This application accommodates customers with the specific need to detect, recognize and register motor vehicle license plates. Luxriot LPR is ideally suited for vehicle access control applications as well as for traffic control and enforcement applications.



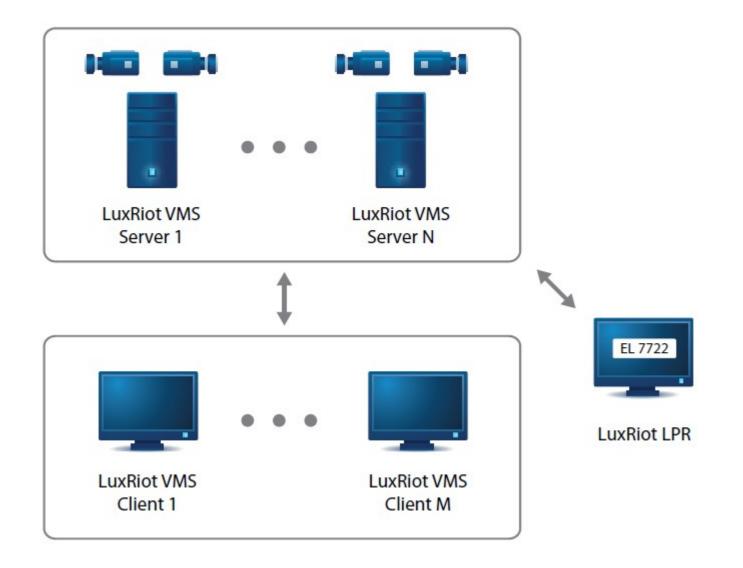
Luxriot LPR Software Features:



- Efficient license plate recognition with low error rate;
- Quick and convenient registered license plates search and browsing;
- Recognize license plates from multiple countries;
- Software camera position adjustment;
- Recognition area adjustment to optimize system load;
- Lighting condition adaptive algorithm;
- Support for local and remote unlimited "White" and "Black" lists;
- Interface to external applications and devices;
- Stoting recognized license plates and snapshots on local or central database;
- No imposed limitation on number of cameras;
- Relies on Luxriot VMS servers for live and recorded video streams;
- Process video streams from multiple Luxriot VMS servers;

LPR work scheme





Luxriot supports:

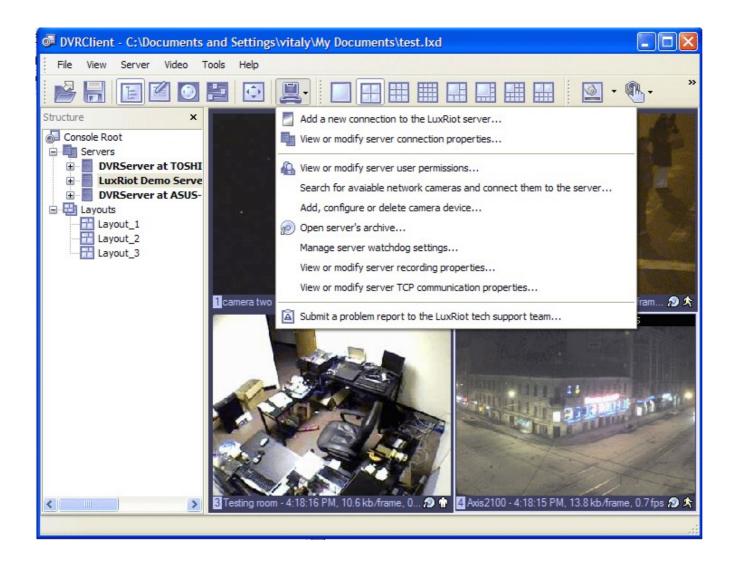


- Multiple codecs JPEG,
 MJPEG, MPEG4 and H.264
- Generic RTSP cameras
- Network (IP) cameras and servers from all major manufacturers
- DirectShow compatible devices including USB webcams
- Analog CCTV cameras via video capture boards from several manufacturers



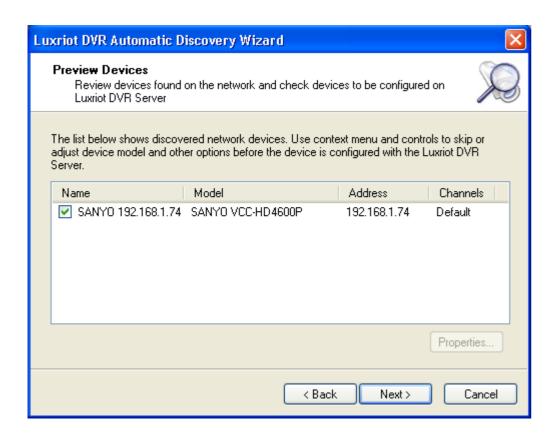
Configuring Luxriot is a simple and intuitive process since it is done via user-friendly wizards.





Network Camera Search Wizards can autodetect all Network (IP) cameras on your local network or on the specified subnetwork.





Luxriot DVR/NVR System Requirements



For hardware estimate and amount of disk space you can use Luxriot website hardware calculator.

Luxriot hardware estimator				
Video streams specification				
Number of Compression type Resolution (Mpix) cameras:	Frame rate Video stream (fps) Bitrate (Kbps)	Motion Detection source	Frequiency of FPS when no Days to motion events (%) motion store	
1 JPEG/MJPEG ▼ 4CIF 704 X 576 ▼	25 🔻 4096 💌	No motion detection	100 7	
Add Camera group				
Select Servers and Clients CPUs				
Specify Servers CPU		Specify Clients CPU		
Recomend me CPUs	▼	Recomend me CPUs	ls 🔻	
Storage Calculator	Bandwidth Calcu	llator	Lens Calculator	
		inator		
Number of 4 cameras:	Number of 4		CCD size: 1/4" ▼	
			Scene height: ft/m	
Average image 5 KB size:	Average image 5 size:	KB	Scene width: ft/m	
Frame rate: 10 fps per camera	Frame rate:	fps per camera	Distance to the scence: ft/m	
Days to store:	Calculate		Calculate	
Calculate				

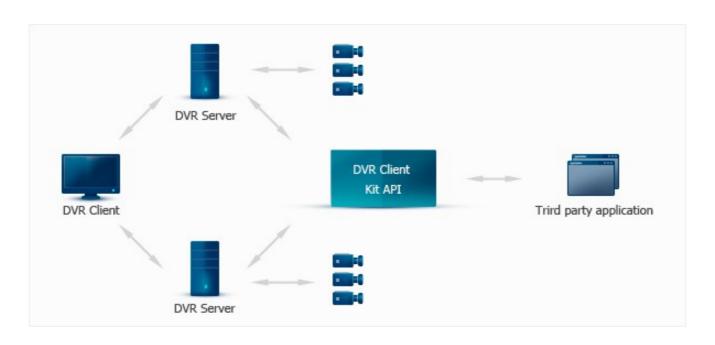
OS Microsoft Windows:

XP Home Edition, XP Professional, Vista, Server 2003, Server 2003 (32 and 64-bit), 7 (32 and 64-bit) Server 2008 (32 and 64-bit)

http://www.luxriot.com/eng/support/calculators/

Luxriot API (Open architecture)





Luxriot offers customizable integration with other software systems in form of software development kit (SDK), Luxriot DVR Client Kit. Luxriot DVR Client Kit is the collection of ActiveX software components which allow integration of Luxriot DVR client side functionality into other software products and integration between Luxriot DVR and third party software systems. Integrating technologies is the solution to allow systems to operate more efficiently and with improved application functionality previously not possible.



With Luxriot DVR Client Kit you can implement client side tasks of Luxriot DVR client/server functionality including:

- Access live video from one or multiple local or remote Luxriot DVR servers
- Access archived video from Luxriot DVR servers
- Export archive video
- Configure camera and recording settings
- Receive motion region information for media device
- Adjust software motion detector properties
- Receive motion detection notifications
- Pan/tilt/zoom/focus (PTZF) control motorized and otherwise PTZF enabled cameras
- Create and delete media devices

Luxriot DVR Client Kit is based on Microsoft Component Object Model (COM) technology and can be used with various development environments, including: Microsoft Visual Studio .NET (VB.NET, C#, C++) and earlier versions (VB), Borland/Inprise Delphi, scripting languages.



Afterwords, used materials, links etc.

Thank you



July 03, 2013