

LuxRiot

A&H Software House Inc.
Web: www.luxriot.com Email: sales@luxriot.com

LUXRIOT

LuxRiot Product Features



LuxRiot® is equipped with **Unique, Advanced** and Industry **Standard** Surveillance Features:

LuxRiot is a highly stable software, easy on any network and is very easy to deploy with the advanced Auto Detection feature for IP cameras. LuxRiot also provides extreme flexibility as it can manage unlimited servers, sites, and cameras remotely quickly and efficiently. LuxRiot offers integration with megapixel cameras and accepts video streams from Network (IP) cameras from 55+ manufacturers including all major manufacturers such as Axis, Arecont Vision, Pixord, SONY, JVC, Panasonic, IQinVision, Toshiba, Zavio, Acti, Vivotek (with more than 600+ models supported; <http://www.luxriot.com/networkcameras.asp>), ComArt HiCap and XeCap series frame grabbers for analog CCTV cameras and any Direct Show compatible devices including Webcams and USB cameras. This along with the LuxRiot client-server architecture allows to build heterogeneous scalable solutions sizing from a single camera to the thousands of cameras.

Unique features:

- **Fully-featured Client application** – All functions, without exceptions may be controlled both locally and remotely (only one user interface). Anyone operating the client application can connect to the server, access live and recorded video, change settings, etc. in accordance with granted user rights.
- **Server can run as a Windows Service** – (no need to login). This feature allows the running LuxRiot server to go virtually unnoticed. Also the server can run without logging in, so the security of the server is not compromised.
- **Supports unlimited number of cameras** – (hardware limitations may apply). The Enterprise edition imposes no limitations on how many cameras can be connected to a server. Although hardware performance cap (mostly CPU productivity and network bandwidth) may still connections to several hundred cameras, however, time will decrease these limitations as hardware efficiency grows.
- **Efficient CPU usage** – If used in connection with Network (IP) cameras, Network Video Servers or DirectShow devices, the server will not use the power of the CPU to digitalize video and audio; this means that the CPU usage will be low enough to avoid interference with other software applications enabling the user to use the server for various applications in conjunction with video monitoring.
- **Full featured local and remote playback** – With search on motion and areas of motion you can now find momentary clips of video without searching for hours. For instance, if an object is missing just highlight the area and hit go. LuxRiot will take you to all of the video clips that had motion in that area until you are satisfied.

- **Audio Support** - devices that expose themselves as (compatible) MS DirectShow devices, this includes USB audio devices. (RTSP and ip audio from IP cameras will be a free upgrade)
- **Bandwith Controll (VIDEO TRANSFER Properties):** Our advance build in module in all LuxRiot editions allows you to, enable time laps broadcast, Motion control video Transfer, Bandwidth controlled Broadcast, And Video recompression for optimum video frame rate according to available bandwidth.
- **Supported compressions:** H.264, MPEG4, MJPEG, JPEG.
- **Client configuration** – (screen layout, connection to servers, etc) **is a registered file** type, so it is possible to store different configuration on one computer, email them etc.
- **Support for the standard DirectShow devices** – The list of these devices includes everything from very basic USB cameras to camcorders to advanced multichannel video capture boards. These devices can be used alone or together with supported hardware and/or IP cameras.
- **Screen may be configured for HDTV monitor.**
- **Supports all major brands of IP (Network) security cameras** – Network (IP) cameras by multiple manufacturers are supported; the [list of supported IP cameras](#) is growing rapidly and an addition of a not yet supported camera may be expedited upon request.
- **IP Camera Configuration** – All IP cameras on the LAN may be configured via **Auto Search Wizard**. Using the Wizard a user is able to find all Network IP cameras available within the network. A user can configure them and connect them in no time and with little effort.
- **Full range of [editions](#)** – For all needs and budgets from Personal to Enterprise.

Advanced Surveillance Features:

- **User-friendly wizards** – Make LuxRiot easy to use and configure. All commonly used operations, such as adding access to a new Server from the Client application, searching for Network IP cameras within a LAN, User management, etc. can all be performed via the LuxRiot intuitive wizards. This helps make very advanced features accessible to the average computer user.
- **Enterprise Scalability and Monitoring (ESM)** – All functions, without exception may be accessed and administered both locally and remotely allowing management and administration for an unlimited number of servers around the world.
- **Object tracking** – For Bosh PTZ camera with Scheduler.
- **Runs as a Windows Service** – Not only can you lock windows, but you can log off windows all together and create a bullet proof environment.
- **Screen may be configured** – For wide-screen monitor (**WXGA**).
- **Export Settings** - Save connections and settings that can be exported and opened on any computer running the LuxRiot client application (configure one client with all your connections and import database to unlimited computers).
- **Optimized and Designed** – For Microsoft Windows Vista/XP/2003/Windows 7.
- **Developed for the future** – Custom Programming and exclusive features available.
- **User Management** - Controls access to cameras and program features. Depending on user status, user can be either allowed or denied access to software abilities and features such as: Administer server, Camera viewing, Remote connection, Playback, Archive, Data

Delete and so much more.

- **Network Camera Search Wizard** – Using this Wizard a user is able to find all available network cameras, configure them, and connect them in no time and with little effort.
- **Automatic detection for IP cameras** – Available for LAN or a WAN range of IP addresses – Just connect your IP cameras to the network and tell LuxRiot an IP range to find cameras on. NO additional configuration required by integrator.
- **Hybrid** – Captures video from any source or multiple sources. CCD, cctv analog camera,, IP camera, USB camera, Web camera etc... Mix and match on the same machine.
- **Control PTZ cameras** – Pan, tilt and zoom cameras can be fully controlled from within the Client application.
- **Multiple clients may be connected to a single server** – Depending on [editions](#) and user [management settings](#), 1 to unlimited number of local and remote client applications may access the server to receive live and recorder video, as well as perform other operations. Depending on User Name limitations, the user could do everything or may be limited to certain access only.
- **Client connected to multiple servers** – A user of the client application, if granted sufficient privileges, may connect to an unlimited number of servers to view live and recorded video as well as perform other operations.
- **Each camera is individually configurable** – This allows tolerating camera operation to the particular monitoring area. The options that can be individually configured include: Frame-per-Second (FPS) rate, recording, motion detection, image adjustments (brightness, contrast, sharpness, hue, saturation) and more.
- **Map camera layouts** – Create map layouts on either Google maps or using a jpeg map. A user can place camera markers anywhere on a map for easy navigation of cameras.
- **Fully featured local and remote playback 9 no limitations on remote client.**
- **Client can be connected** – To **multiple servers** simultaneously. A client application user, if granted sufficient privileges, can connect to unlimited number of servers to view live or recorded video as well as perform other operations.
- **CD/DVD Backup Wizard with player.** Hard drive backup wizard. Using our CD/DVD export wizard, any computer can open the exported videos with audio without the need of codec or the need to install any playback software.
- **Client database with connections and settings** – That can be exported and opened on any computer running LuxRiot (configure one client with all connections and import database to unlimited computers).
- **Advance server recording settings** – Can be configured locally and remotely.
- **TCP Port** – User can select TCP port to their Preference the default is 60554.
- **Disk analysis screen display** – For improved recorded data analysis.

- **Layouts** – Create custom Layouts by grouping cameras from different DVR Servers/Locations into groups for more efficient monitoring, and better management. Drag and drop cameras from a server or multiple servers to custom layouts.
- **Exclusivity Mode** – Exclusivity Mode (windows lock-out) can be set up, to take special care to ensure LuxRiot is the only application the user is interacting with. Advance properties are available for startup and password authentication is available too.
- **Layout Sequences** – Layouts can be used for Sequencing. Layout sequences can be set in custom time intervals with custom layout priorities. Multiple Sequences can be created and activated at any given time.
- **Adjustable screens** – Want to view more than 32 cameras? No problem. Adjust the LuxRiot window and open multiple instances. Open as many as your monitor can handle or you can view.
- **Software watchdog** – Advance Watchdog Operations, Programmable with maintenance settings. Watchdog can be configured to periodically restart server services to clear any possible problems which could degrade server system performance, (select different time frames (days, hours, Etc), Adjust auto settings for error control and advance detection for problem detection and recovery.
- **Hardware watchdog** – (On supported frame cards when available).
- **Video Adjustments** – Video adjustment can adjust every individual camera with its own settings remotely and locally. Adjustments for Brightness, Contrast, Saturation, Sharpness, and Hue. Adjustable image quality camera by camera. Adjustable compression settings camera by camera.
- **Motion control recording** – with option for recording frames when no motion is detected (EX. 1 FPS when no motion and 30fps when Motion).
- **Export Snapshots.**
- **Export recorder video** – Available Properties with options built-in in Luxriot for most Supported Codec's.
- **Digital zoom**
- **Free distribution of the client software for unlimited computers** – User can install client software on unlimited pc's at no additional cost for licensing.
- **Free Software upgrades** – For all licensed users.
- **Output Video to a NTSC/PAL**
- **Network Drive Mapping** – User can map network drives at no additional cost for licensing.
- **Network Camera Search Wizard** – Using this Wizard a user is able to find all available network cameras, configure them, and connect them in no time and with little effort.

- **Camera/Network Support** – Supports all major brands of Network (IP) cameras and Network Servers.
- **Client configuration** – (screen layout, connection to servers, etc) is registered file type, so it is possible to store different configuration on one computer, email them or export them as database and open them on any computer with the client.
- **Full featured local and remote playback** – with search on motion and areas of motion (SMART SEARCH).
- **Each camera is individually configurable** – including: recording, motion detection, and image.
- **Multiple resolutions support** – (camera by camera) up to 640x480 (frame cards) and **2592x1944** Pixels (IP Mega Pixel Cameras).

More Standard Surveillance Features:

- **Continuous recording** – No tapes to be replaced; Recording operation uses FIFO Technologies (First in, First Out).
- **Multiple screen configuration options** – You can choose from 1 screen view, 4, 9 or 16, 25, 36 equal screen views. Other options include custom views, where as one or two screens are larger than the others.
- **Motion Detection** – Each camera may be set to detect motion. No additional hardware is required for motion detection; Motion detection is performed solely on a software based level. Triggered by motion, a camera can perform numerous operations and is not limited to only recording video. Motion activated recording supports an unlimited number of Motion Zones that each have unique sensitivity settings. View results in real time for easy setup.
 - Label each Motion Zone to trigger actions.
 - Event log allows quick review of video associated with motion or alarm events.
- **Remote Management** – via Internet and/or LAN/WAN. The server can be accessed from any part of the world for remote monitoring, remote playback, user management and more...
- **Real-time playback** – without interrupting the recording cycle any camera can be played back using the local or remote Client application software. Such playback will not interrupt ongoing video recordings, nor will the quality of the recordings be compromised.

For IP Camera compatibility list please click here:

<http://www.luxriot.com/networkcameras.asp>