KOGMENTO®

Product
Catalogue

KOGMENTO®

Kogmento brings together all the elements for a smarter home. We simplify how you manage security, entertainment and technology.

CAMERAS

4 Indoor/Outdoor MJPEG IP cameras with H264 camera support coming soon.

ALARM

Most of the wired house alarms link to the Kogmento System. Once connected they can be controlled remotely by turning on and off different zones or turning on alarm for the whole property.

LIGHTS

Multiple areas and lights can be turned on, off, dimmed or brighten. Scheduled task can be set up to automate the process.

MOBILE CLIENT

Android mobile client offers control of lights, alarm, cameras and can be used as a remote controller for a media centre or as general purpose system keyboard.

TABLET CLIENT

Android tablet client offers the same functionality as a mobile client with a slightly better user experience.
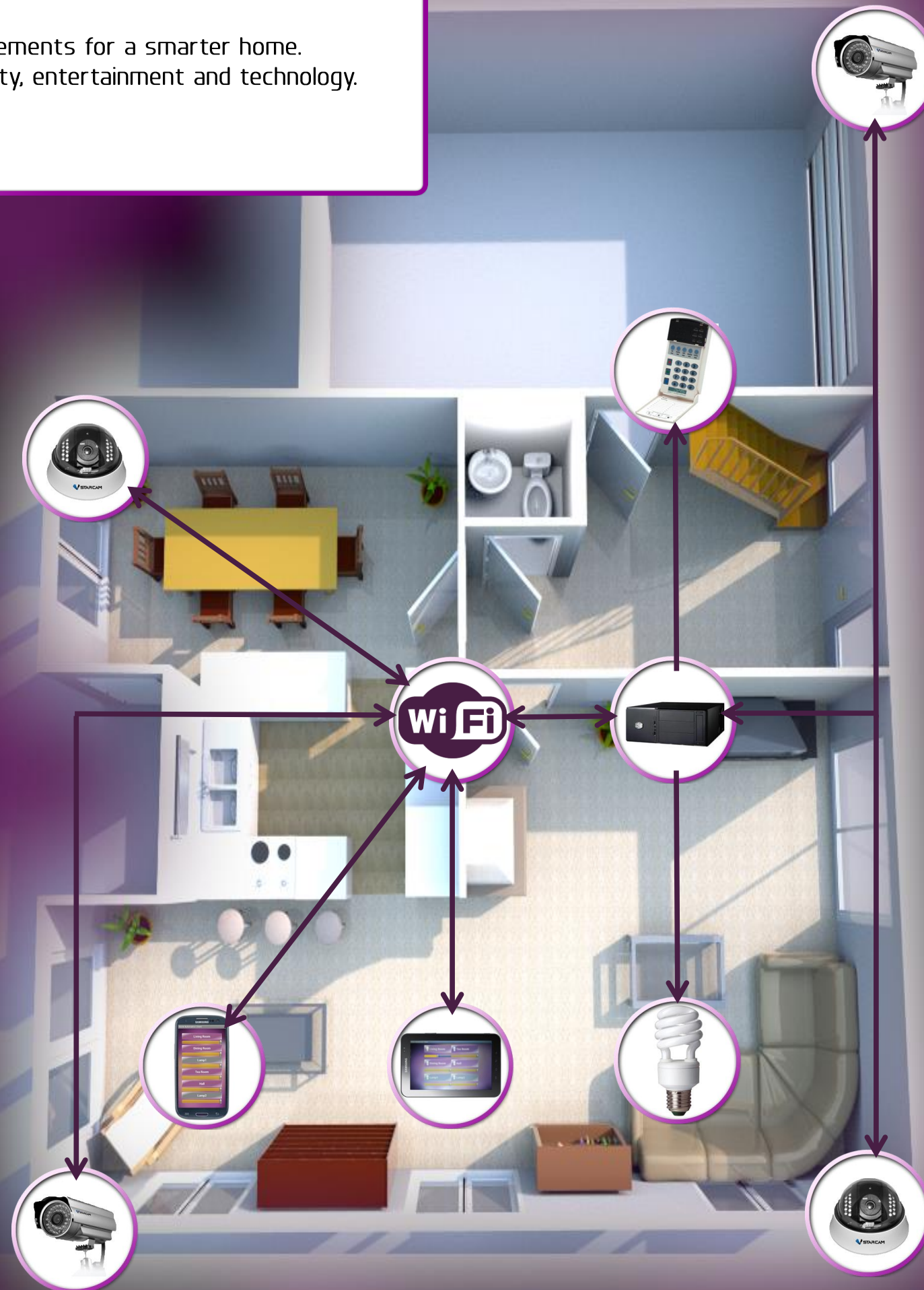
DVR

System can be set up to record up to 4 cameras 24/7 and up to 4 weeks. Internal system storage or USB network storage can be configured as a storage device.

MEDIA CENTER

XBMC and MythTV Backend and Frontend are used and configured as a media centre. It offers music, videos, live TV, recording and much more. System is configured for NZ Freeview.

Wi Fi

KOGMENTO®

Is a system for controlling lights, cameras and alarm which also acts as a DVR and a Media Centre linking every TV in the house. The system is built on top of Ubuntu operating system.

Kogmento system is based on the client/server architecture. The server includes the primary client application which is fully configurable and used for allowing access to slave client applications running from android devices. Communication between devices is fully encrypted. Scheduled tasks, areas with lights, alarm zones and IP cameras are configured through the main interface.

Main interface is viewable from any LCD/Plasma/LED TV linked to the system in the house. It can link up to 8 TVs and stream the content. The main interface can be used for controlling lights, alarm, cameras, media centre, Libre office suite applications, browse internet and various other computer tools.

The system is controlled by wireless mouse and keyboard, mobile client keyboard or tablet client keyboard.
System has a big internal storage but can be expanded using USB external storage as well as attaching printers and other devices.

MOBILE CLIENT

Android mobile client offers control of lights, alarm, cameras and can be used as a remote controller for a media centre or as general purpose system keyboard.

Mobile client communicates with the Kogmento server through an encrypted network. Client supports remote access over the internet so users can sit in the office or be on holiday and still view cameras, control lights and alarm.

Only an authorised client through a main Kogmento System can access their own software which has been uniquely programmed. That means that if someone has the same Kogmento Software on their phone or someone tries to hack the network they are unable to use this application to control your home devices.

Mobile Client offers 4 usable components of the system used for controlling lights, cameras, alarm and media centre.

On-board keyboard of the client app can also be used for Libre Office and while browsing internet or any other application requiring keyboard input.
The application is laid out in portrait mode with big buttons for easier usability.
App will be upgradable for free over the internet through the google play store.

CAMERAS

- 4 Indoor/Outdoor MJPEG IP cameras with H264 camera support coming soon.
- There is a big variety of cameras available: wired, wireless, indoor and outdoor.
- Cameras can be viewed and positioned remotely through a Kogmento System.
- Cameras come preconfigured for a standard network, plug and play.
- Below are some examples of supported and available cameras.
- For a bigger selection a camera catalogue is available.

TABLET CLIENT

Android Tablet client offers the same functionality as a mobile client with slightly better user experience

Tablet client communicates with the Kogmento Server through an encrypted network. Client supports remote access over the internet so users can sit in the office or be on holiday and still view cameras or control lights or alarm.

Only an authorised client through a main Kogmento System can access their own software which has been uniquely programmed. That means that if someone has the same Kogmento Software on their tablet or someone tries to hack the network they are unable to use this application to control your home devices.

Client has 4 usable components of the system used for controlling lights, cameras, alarm and media centre.

The on-board keyboard of the client app can also be used for Libre Office and while browsing internet or any other application requiring keyboard input.
The application is laid out in landscape mode with big buttons for easier usability.
App will be upgradable for free over the internet through the google play store.

ALARM

Most of the wired house alarms link to the Kogmento System.

Once connected they can be controlled remotely to turning the alarm on and off to the entire property or just different zones within the house.

Alarm is linked to the Kogmento System through an authorized alarm installer. Alarm can be configured for controlling up to 6 zones and each zone is a defined floor area. This means when going to bed you can activate the alarm to only part of the house for added security and safety. This can be considered as a zone and can be controlled remotely.

Users can turn on or off alarm zones remotely by using wireless mouse and keyboard, mobile client keyboard or tablet client keyboard.

For more information contact our Kogmento representative and we will answer any other questions you might have about more specifics or enquiries.

DVR

System can be set up to record up to 4 cameras 24/7 and up to 4 weeks. Internal system storage or USB network storage can be configured as a storage device.

Each video from each source (camera) is stored hourly for the duration of the recordings.

Videos are stored using free and open format WebM.

Best players such as VLC fully support this format. YouTube is running on this format and offers the best free audio/video compression on the market.

DVR videos can be accessed and played using the main client which displays information about the camera source it was taken from and date/time of when it was recorded.

DVR videos can also be accessed directly through a file explorer as individual files just the same way as browsing the files in windows.

LIGHTS

Multiple areas with lights can be turned on, off, dimmed or brighten and scheduled task can be set up to automate the process.

This can be useful to the property owner who wants at a pre-set time to turn the specific lights on when coming home after work.

It can also be useful when the owner goes on holiday or leaves the property for an unspecified time and wants to look like someone is at the location for security purposes to discourage thieves from breaking in.

Lights are divided up to 9 areas. Each area represents an address and can be treated as a room, bedroom, hall, kitchen, living room, dining room, outside area such as patio or any other configuration the owner desires.

MEDIA CENTER

XBMC and MythTV Backend and Frontend are used and configured as a media centre. It offers music, videos, live TV, recording and much more. System is configured for NZ Freeview.

Data such as videos, music, photos can be stored in the internal or external storage. System and media centre can be controlled by a mobile client, tablet client or peripherals such as a standard wireless keyboard and mouse that comes with the system.

Every LCD, Plasma or LED TV in the house can be linked to the system and used for viewing the content streamed from the Kogmento System.

All the content on every TV is the same per system. In order to have separate viewing (such as separate videos or combination of video and live TV concurrently) two systems are required.

STREAMING TV WITH MYTHTV

MythTV is a free and open source home entertainment application and PVR with a simplified "10-foot user interface" design for the living-room TV, and turns a computer with the necessary hardware into a network streaming digital video recorder, a digital multimedia home entertainment system, or home theatre personal computer. It can be considered as a free and open source alternative to Tivo or Windows Media Center.

Features
- Pause, skip, and rewind live TV shows.
- Supports UPnP (Universal Plug and Play) / DLNA (Digital Living Network Alliance)
- Completely automatic commercial detection and optional skipping.
- Intelligently schedules recordings to avoid conflicts.
- Interfaces with TV listing sources such as XMLTV or PSIP.
- A backend server and frontend client architecture, allowing multiple frontend client machines to be remotely served content from the backend server.
- Plays recordings at an accelerated or decelerated rate, adjusting the audio pitch as necessary.
- Schedule and administer various system functions using a web browser-based interface.
- Controls a settop box using an infrared remote (IR blaster), or firewire.

HOME OFFICE

LibreOffice is a free and open source office suite, developed by The Document Foundation.

The LibreOffice suite comprises programs to do word processing, spreadsheets, slideshows, and diagrams, maintain databases, and compose math formulae.

It is designed to be compatible with other major office suites, including Microsoft Office, though some Microsoft Office layout features and formatting attributes are handled differently or are unsupported.

LibreOffice is available in over 30 languages and for a variety of computing platforms, including Microsoft Windows, Mac OS X 104 Tiger or newer, and Linux.

XBMC MEDIA CENTER

XBMC is a free and open source media player application developed by the XBMC Foundation, a non-profit technology consortium.

XBMC is available for multiple operating-systems and hardware platforms, with a 10-foot user interface for use with televisions and remote controls

It allows users to play and view most videos, music, such as podcasts from the internet, and all common digital media files from local and network storage media.
It is a popular alternative to Windows Media Center for HTPC (Home Theater PC) use.

XBMC supports most common audio, video, and image formats, playlists, audio visualizations, slideshows, weather forecasts reporting, and third-party plugins.

It is network-capable (internet and LAN shares) and fully supports UPnP (Universal Plug and Play) / DLNA (Digital Living Network Alliance).

EXTRA FEATURES

Updates will be available to the existing customers free of charge.

This is the next list of development tasks under way by Kogmento Systems:

- H264 support for IP cameras
- Updated android clients for mobile/tablet clients.
- Extra features with the main Kogmento Server client.
- We will listen to users feedback and work on the improvements of the existing system

Future tasks will include looking at the other existing high tech home features such as smart TVs, smart fridges and other appliances, air conditionings and finding ways of linking a Kogmento System to them.

INSTALLATION

We'll help you get set up and running.
Here's what we'll need to do:

- Installing Kogmento requires some basic wiring around the house.

- Depending on the type of the IP camera such as wired or wireless simplicity of the installation changes.

- If wired IP Cameras then network Cat6 cables required, if wireless then just power point for the cameras required.

- Alarm requires a network Cat6 cable and an authorised alarm technician to wire the alarm with the system.

- TV's require network Cat6 cables.

- Wiring lights requires a certified electrician authorised to install a Kogmento System.

- Kogmento server can be installed at any location around the property, either as another component with the rest of media, or at another more secure location.

- Fast local network is required for the best use of the system and all other devices.

- Kogmento comes with the default Gigabit router and a fast wireless connection.

- Mobile and tablet clients require a standard wireless network.

- Kogmento server is then finally configured through the admin setup screen and the system should be ready for use. Installation can be achieved in couple of days.

CHECKLIST / COMMENTS