

A complete solution for limitless protection.



PowerG Technology

PowerG combines several field-proven, advanced wireless technologies, like those used in cellular networks and Bluetooth, with the highly reliable AES encryption method. The greatest innovation in PowerG is having these technologies operate on non-rechargeable batteries while still keeping all devices connected and online. When used in residential or commercial security alarm systems, this combination of technologies delivers the unmatched reliability, robustness and transmission range we have come to expect from modern wireless applications – this time on batteries. In addition, PowerG provides numerous advantages for professional installers, central monitoring stations and end-users alike.



PowerMaster10

PowerMaster-10® introduces a new era in intrusion alarm systems, literally redefining wireless home security and reliability. It is Visonic's first wireless intrusion alarm system whose control panel uses the revolutionary PowerG wireless technology.

Main Characteristics:

- Two-way communication ensures there are no lost alarms
- Transmission range is far greater than the industry standard enabling repeater-free installations even in large premises*
- Extended battery life in almost all PowerG peripherals – between 4-8 years for typical use
- All devices are configured from the panel – no hardware switches and no need to re-open the peripherals once closed
- Visible signal quality indication shown on the device enables the installer to choose the optimal location without having to walk to the panel during mounting
- Customized configuration templates enable configuration of the devices collectively instead of individually
- Diagnostic tool indicates RF link quality based on the previous 24 hours' statistics, immediately displaying problems and enabling installation verification
- Powerful tools for central monitoring stations such as remote control of all peripherals, remote walk tests and measurements of link quality of all wireless connections in the connected premises
- Multiple frequency channels (up to 50) using Frequency Hopping Spread Spectrum (FHSS) technology overcome interference to wireless communication
- Communication is protected by the proven AES-128 encryption algorithm to protect against sophisticated intruders, "code grabbing" and message substitution
- Link Message collisions are eliminated with TDMA synchronized communication technology similar to WiMAX, GSM and Bluetooth to TDMA in the glossary
- Devices dynamically optimize their route to the control panel using available repeaters according to changes in the environment

*Measured line-of-site transmission range: 2000m/6500ft @ 8m/24ft, 750m/2500ft @ 2m/6.5ft



NextCamPG2

Next CAM PG2 is a two-way, wireless photo detector that provides the perfect solution for visual alarm verification, day or night. This detector is typically installed in areas where extra visibility is needed, such as hallways and stairways. When the alarm system is armed and the PIR sensor detects movement, the detector sends an alert to the control panel and activates the camera. The control panel immediately begins sending images of the premises to the

central monitoring station. By reviewing the images in real time, security staff can verify the alarm and respond accordingly. Based on Visonic's ground-breaking PowerG technology, Next CAM PG2 combines several field-proven advanced technologies and the highly reliable AES encryption method. This combination of technologies delivers extended transmission range and battery life, and unmatched advantages for professional installers, central monitoring stations and end-users alike.

Main characteristics:

- Enables real-time visual alarm verification, day and night, for central monitoring stations
- Sends full color, high-resolution images and audio from the premises via GPRS channels
- CMOS camera with IR illumination – operates also in total darkness
- Instant capture – ensures image recordings start immediately
- Camera range: 12m (40ft); with IR illumination 10m (33ft)
- No vertical adjustment needed
- Auto-setup for brightness and contrast via the control panel
- Longer battery life – 3-5 years in typical use (depending on battery type)
- Battery compartment for easy battery replacement
- Optional AC power
- Installer-friendly – adjustment-free installation
- Front cover and back tamper

IPMP



Internet Protocol is a world wide standard for internet communication. Nowadays, it is also considered a communication channel for fast and reliable transmission of alarm systems dedicated to IP receptor. Visonic's IPMP is a platform that gives service providers a total solution for security management of their IP-based services.

Visonic's IPMP serves as receiving broadband IP and GPRS module. The IPMP modules oversee and direct all incoming events to the central station software. With advanced capabilities for alarm verification and images, IPMP enables the operator of the central monitoring station to verify alarms and associated images (pre and post alarm).

The unique architecture of Visonic's IPMP is directed to the needs of providers of security services, converting it into one of the most cost effective solutions for the IP managing services market. An IPMP can easily manage up to 20,000 accounts with a pooling account for 2 minutes.

IPMP provides the received events to the central station software using standard protocols, so the ARC software needs no special adaptation to work with IPMP.

This system also serves as video alarm verification. Using the web management interface, any central station operator can quickly manage the alarm received while the recorded images, without leaving your job. In addition, it is possible to integrate the software with the IPMP ARC for the alarm video images are sent to the specific post system ARC

IPMP Characteristics:

- Supports all of Visonic's IP communication modules – GPRS and broadband;
- Highly stable server platform based on Linux;
- Supports up to 20,000 concurrent clients with a pooling of 2 minutes (frequency of supervision)
- Events are sent in CIS IP protocol (AES 128 bit)
- Includes an integrated application with Web interface for the operator and administrator that enables the complete management of linked systems.
- Requires no software installation on the client systems.
- Cluster optional redundant version.