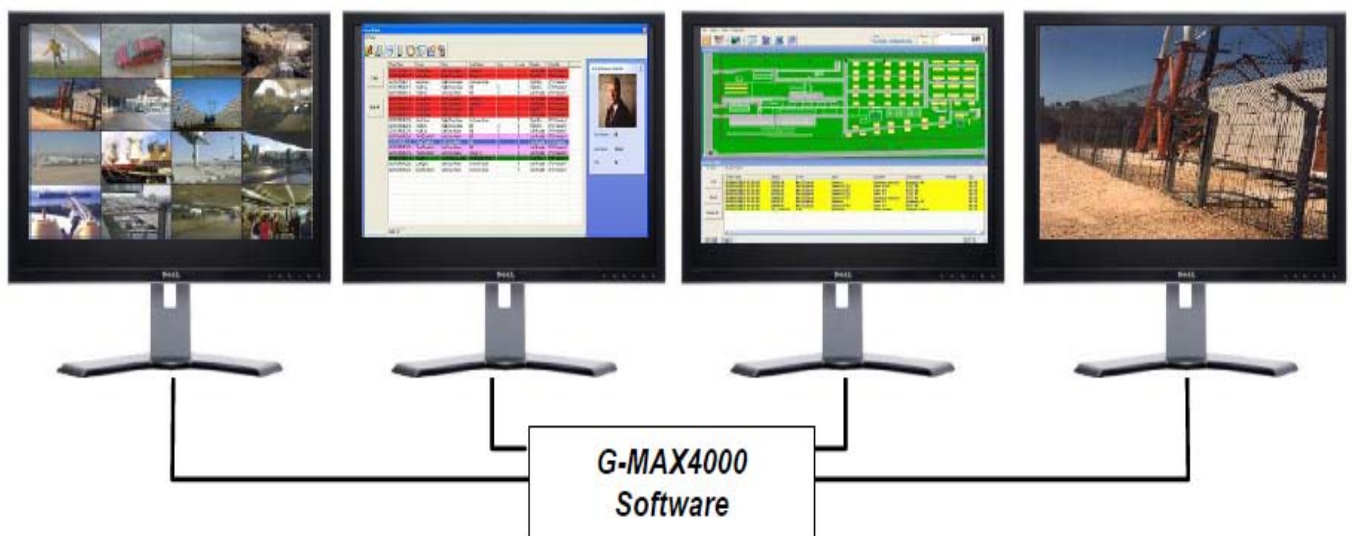


# G-Max4000

## Control and Command Center

### WHITE PAPER



**G-MAX Security Tech Ltd.** The leading manufacturer of proven and effective, advanced integrated security systems installed worldwide.

**The G-MAX4000 is a comprehensive cost effective Multimedia Command Control and Communication Security System.**

**G-MAX4000 General Description**

More and more companies today looking for a solution to integrate various types of electronic security systems. G-Max4000 is an integrated management of indoor and outdoor security systems such as, fire detection system, perimeter security systems (PIDS), Access control, Gates control, CCTV surveillance and Alarm verification into one centrally monitored and controlled package. Such integration has many benefits including the simplification of common operation methods and costs effective. The G-Max4000 solution designed to manage small, medium and large security system in a reliable and cost effective way. The G-Max4000 solution, control and monitoring Indoor & Outdoor security systems, with long communication range and demanding work conditions. Makes it perfect choice for a wide range of applications, such as: Industrial plants, Power stations, Broadcasting stations, Telecommunications stations, Prisons, Airports, Seaports and Borders. The G-Max4000 solution provides automatic control of external systems based on input events or schedules. CCTV and/or other systems can be Control and Managed through the G-Max4000 Alarm Handler. Advanced event handling and control can be programmed using the G-Max4000 Macros & Setup program. When an alarm input or event is activated it is automatically displayed on the relevant map, along with an audio buzzer and digital voice. The internal CCTV automatically displays the alarm cameras (which will automatically home in on incidents), the internal / external DVR start recording the relevant cameras including the pre defined pre alarm. Any pre defined outputs will be operated automatically. The

online display includes precise descriptions and instructions on how to respond to any incoming technical and or security alarm. Page 2 of 4

The **G-MAX4000** contains a built in multiple security software Modules as listed below that can be supply in different configuration and capacity according to the required application.

- Alarm management with **Computerized Multiplex Communication (CMS)** module.
- Interactive site maps with Icon Base Object module.
- Customize security reports module.
- Digital Video **MPG4, H264** on board compression **D1@25fps**. Module.
- Digital Video **M-JPEG**, compression **¼ CIF to 4CIF@1 to 25 fps** Module.
- **IP network cameras** and/or Analog cameras Module support compression up to **HD720@30fps, HD1080@15fps**.

- Enterprise-class video recording, storage, retrieval and management Module.
- External storage: Raid & NAS recording for standalone or redundant solutions Module.
- Pre-Alarm Recording Module.
- Digital Video Recording (**DVR**) Module.
- Network Video Recording (**NVR**) Module.
- Digital Video Motion Detection (**VMD**) / Video Analytics (VCA) Module.
- Multi-monitor live video display Module.
- Time Schedule Management Modules.
- Events Automatic reaction Modules
- Access Control Module System, IP base or serial communication with field controllers. Support: Magnetic
- Proximity and Biometric Readers.
- Assess Control Report module.
- Client-Server Network Module.
- Management of user Authorizations Modules.
- G-MAX4000 Software Page 3 of 4

## Mapping GUI

- Complete Facility Mapping.
- Interactive Icon Controls.
- Pop-up Alarm Events and Locations.
- Event Management and CCTV Interface.

## Event Management and Control

- Complete Event and Alarm Management.
- Instructions on how to respond to each incoming alarm.
- Rules-Based Event Management.
- Mapping GUI and CCTV Interface.
- Access Control Management.
- Event archive.
- User's management.

- Long distance Outdoor communication hardware.
- Easy capability to integrate to 3 party systems.

### **Access control**

- System integration between access control, security and video systems.
- A maximum of 20,000 users for each loop of controllers with flexible authorization, including management of split shift, vacation and specific doors.
- Operating with multiple loop configurations.
- Management of doors authorization for a maximum of 128 groups during various periods of time.
- Add and delete tags from the control center.
- Access control event table displays real-time information on key tag passed through the doors.
- Doors Control on the maps.
- A fully integrated Photo Identification tag System.

## **System Features**

### **System**

- Engineered to cost-effectively scale from small to large systems with a flexible pay-as-you- growth approach
- Flexible software - Plug-in base.
- Proven Stability & Reliability.
- Environmentally Hardened Communication Controller version.
- Wireless link to remote work station.

### **CCTV**

- Hybrid System, Support Analog & IP cameras.
- Video Control.
- Recorded Video and Playback Management supporting viewing while recording capability.
- Pre alarm on events recording.
- PTZ Control.
- Presets and Macro Capabilities.
- Multiplex video displays.
- Internal Video Matrix capabilities.
- Interface to external video matrix.
- DSP based Hardware Decompression.

- Delivers up to **HD720@30fps, HD1080@15fps** per IP or D1@30 fps per analog camera.  
Distributed architecture supports multiple NVRs, DVRs, display servers and is fully scalable.

## Network

- Standard client server architecture.
- Peer to Peer architecture.
- Redundancy servers for full automatic backup system.
- Support for multiple operators.
- Support event management, Access control & video streaming.
- Automatic configuration capability

