

## MAX-1000®

### VIDEO MANAGEMENT SYSTEM OVERVIEW

The MAX-1000® from Honeywell Video Systems is an intelligent, exponentially expandable, closed circuit television (CCTV) management system. With unparalleled flexibility and reliability, the system is simply the best choice for any surveillance application no matter what the size.

Designed with end-user needs in mind, the modular format of the MAX-1000 provides almost unlimited expansion capabilities.

At the heart of MAX-1000's power and flexibility is the SETMAX for Windows® configuration software. SETMAX enables unmatched decision-making, automation and customization, providing end-users an expansion path from simple matrix switchers to powerful video management systems as their needs grow. The result is significantly reduced operator training and response time, minimized opportunities for human error and collusion, and immediate access to peripheral equipment from a single keyboard or GUI.

MAX-1000 flexibility is implemented on modular, off-the-shelf hardware architecture consisting of system controllers, keyboards and subracks with video, audio, text and I/O cards. MAX-1000 projects are supported by Honeywell Video Systems Application's Team and Field Engineering personnel. Value added services, such as system design, CAD drawings, riser diagrams, commissioning, programming, and customized interface development, are available for consultants, integrators and end-users.

#### Features:

- Customized programmable keyboards
- Logical camera selection
- Alternate camera selection
- PTZ Call
- Alarm Management
- Large library of protocols for PTZ, multiplexer, VCR, printer and other peripherals
- Recorder Management™ (US patented)
- HLI (High Level Interfaces) for integration of third-party security and non-security systems
- Smarttext™
- Dynamic cable equalization
- Mimic Panels
- Audio/intercom integration
- Networking of up to 99 nodes
- MGP (MAX Graphics Platform) software GUI with full MAX-1000 functionality
- Automated incident dubbing



# MAX-1000®

## FEATURES

### Programmable Keyboard:

Programmable keyboards enable operators to access logical cameras, peripheral devices and frequently used functions with a single key. Over 100 programmable keys (KEGS5300) and up to 8000 buttons and 999 key functions (ULTRAKey™) are available for intuitive operation of even the most complex systems. This reduces operator training and response times as compared to fixed key controlled video matrix switcher systems.

### Logical Camera Selection:

Allows logical selection of cameras and Recorders by location, eliminating the need for operators to memorize camera numbers. Operators can easily step through the camera list for each logical group by using the up/down arrow keys or the ULTRAKey jog shuttle.

### Alternate Camera Selection:

There is often a need to use more than one camera to cover a specific area. The MAX-1000 allows operators to toggle between multiple "alternate" cameras with a single keystroke.

### PTZ Call:

Dynamic PTZ selection provides single key access to an assigned PTZ camera and preset position to provide easier tracking or greater detail of a fixed camera scene.

### Alarm Management:

Complex alarm management scenarios can be implemented, providing precise information and control to operators in times of crisis.

### High Level Interface (HLI):

The MAX-1000 supports integration with many security and non-security systems such as digital recording systems, video transmission systems, access control systems, alarm management systems, intercom systems, public address systems, data and reporting systems.



Fig. 1 ULTRAKey controller



KEGS5300



Fig. 2 Logical camera groups for prison application



Fig. 3 Sample alternate camera key



Fig. 4 Sample PTZ call key

# MAX-1000®

## FEATURES CONTINUED

### Multiple PTZ Protocols:

MAX-1000 supports the most common PTZ protocols. The dip switch selection of the protocols allow control of existing PTZs without expensive protocol converter boxes. The large library of PTZ protocols make the modular MAX-1000 architecture an ideal solution for retrofit applications, significantly reducing overall installation costs.

### Peripheral Equipment Control:

The flexibility of SETMAX configuration software combined with an extensive library of peripheral CCTV equipment protocols allow operators to control VCRs, multiplexers, digital recorders, video printers and more from a single keyboard.

### Recorder Management™ (US Patent 5,923,364):

Proprietary Ultrak Recorder Management technology provides:

- Guaranteed recording during review, media change, DVD or VCR failure – automatically
- Automatic transfer to standby recorders
- Automated VCR tape changes
- Control of recorders direct from operator keyboards and MAX Graphics Platforms

### Smartext™:

This unique feature allows text to be concealed and revealed upon command from the keyboard either live or upon tape review. As a result, Smartext™ eliminates the possibility of the text message obscuring a critical event.

### MAX Graphics Platform (MGP):

The MGP software package is a Windows™ based, optional touch screen, graphical interface providing interactive control and display of the MAX-1000 video management system. Live video display, real time status indicators and free form "hot spots" bring all the flexibility and features of the MAX-1000 system on to a PC based software interface.

### Automatic Record Quality Check:

Often, the fact that videotape has outlived its effective life, DVR hard drive crash or that a VCR requires servicing will not be discovered until after an event has occurred and the videotape is reviewed. The MAX-1000 protects against this possibility by providing fully automated record quality checking and reporting.

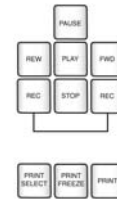


Fig. 5 Sample VCR and printer control keys



Fig.6 Sample MGP screen

# MAX-1000®

## FEATURES CONTINUED

### **Dynamic Cable Equalization:**

This feature provides dynamic equalization of video signals for up to 1000 yards of coaxial cable. The need for expensive amplification or fiber optic equipment is minimized, resulting in significantly reduced the overall installation costs for a system.

### **Automatic Incident Dubbing:**

Automated incident dubbing provides fast and simple dubbing of recorded incidents.

### **Dynamic Video Printer Control:**

Allows a video printer to be shared between multiple operators. To generate a print, the operator simply selects the desired printer command from the MAX-1000 keyboard. The MAX-1000 automatically directs the currently selected camera to a video printer, and switches the output of the printer to the operator's monitor.

### **Camera Failure Detection:**

Provides automatic substitution of failed cameras with alternative fixed or preset PTZ cameras, ensuring continuous coverage should a video source be lost.

### **Mimic Panels:**

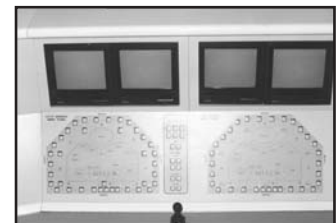
Mimic panels with LED indicators allow control of CCTV and peripheral equipment with customized interfaces while providing real time status of devices and events.

### **Networking:**

Up to 99 MAX-1000 systems, with a total of 10,000 cameras, may be interconnected in a single video network. Interconnected systems can be contained within the same building or around the world. Full control of all devices is available across the network. The MAX-1000 supports video transmission and control over Ethernet networks.

### **Integrated Systems & Field Engineering Support:**

Honeywell Video Systems supports MAX-1000™ projects from conception to commissioning through the expert resources of its Applications Team and Field Engineering personnel. These dedicated Honeywell Video Systems partners with extensive project management experience ensure that integrators, consultants and end users have access to a variety of services including CAD drawings, riser diagrams, commissioning, programming, and customized interfaces for any application.



**Fig. 7 Sample Mimic panel layout**

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## SPECIFICATIONS:

<b>Models:</b>
CPU-based video switching system
Controllers – supports 99 keyboards per network node and up to 99 Max Graphics Platform (GUI) and keyboard combinations.
Real-time CPU clock for up to 100 time initiated events
9,999 programmable macros (50,000 macro events)
Alarm inputs – up to 30,000
Alarm outputs – up to 10,000 relay outputs
PTZ data transmission – multi-protocol for most major manufacturers
<b>Video Input:</b>
From 8 to 4096 per network node, 75 Ohms terminated, BNC connector standard
Looping optional
<b>Video Output:</b>
From 8 to 256 per network node, 75 Ohms drive for one load, BNC connector standard
<b>Text Display:</b>
5 lines of 18 characters, B&W text, programmable dynamic screen positioning, 18-character camera description, time-and-date display and operator message prompts
<b>Control Keyboards:</b>
Keyboards are available with either lexan overlay or LCD touch-screen. All keys are fully programmable. Keyboards incorporate variable speed joysticks with integral zoom controls
<b>Communication Protocols:</b>
RS-232
RS-485
RS-422
Infrared
<b>Other Features:</b>
99 network nodes supported with up to 10,000 video inputs
99 operator priorities
1999 scan sequences
Video loss detection
Threshold adjustable low video detection
Dynamic cable equalization (optional)
Smarttext (optional)
Black pause switching
Monitor blanking
Keyboard intercepts
Keyboard timeouts
Alarm management
Max Graphics Platform MGP (GUI)
Mimic Panels
Partitioning for keyboards, users, cameras, monitors and more

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## SPECIFICATIONS:

Integration:
Digital Video Recorders
PTZs
VCRs
Multiplexers
Quads
Video Printers
Matrix switchers
Access Control Systems
Intrusion Detection Systems
Building Management Systems
Perimeter Detection Systems
Slot Systems
Player/Dealer Tracking
Intercom Systems
Public Address Systems

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Ordering:	
MAX-1000	Video Management System

**NOTE:** Honeywell reserves the right, without notification, to make changes in product design or specifications.

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