

# Making a Remarkable Entry ...

... Just Got Easier.



## VISCOUNT MESH

Touch Screen Telephone Entry Systems  
Card Access, Elevator Control, Door Alarms and Accessories.

# MESH... MUCH More Than Telephone Entry

MESH entry control systems take building security to a new level. MESH panels can be used to admit visitors at doors and gates.

MESH access control readers secure doors, gates and elevators. MESH guard consoles receive and track visitors. MESH can provide alarm functions to identify open doors and control security cameras or even send email notifications of system problems.

MESH panels are IP addressable and can be networked together or combined with MESH Servers to provide a complete building security solution. Building owners and managers can use MESH to communicate in ways never before possible....

## Hot Buttons

- Hot buttons dial directly to security or management
- Screen savers show building information in multiple languages



## Screen Saver

- Customized screen savers show building and management company or service company information
- Active screen saver allows user to select desired language (English/Spanish/Chinese/French/Hindi...)

## Hidden Pinhole Camera

- Video Camera takes Jpeg visitor images, ties into DVRs, cable TV

## Directory

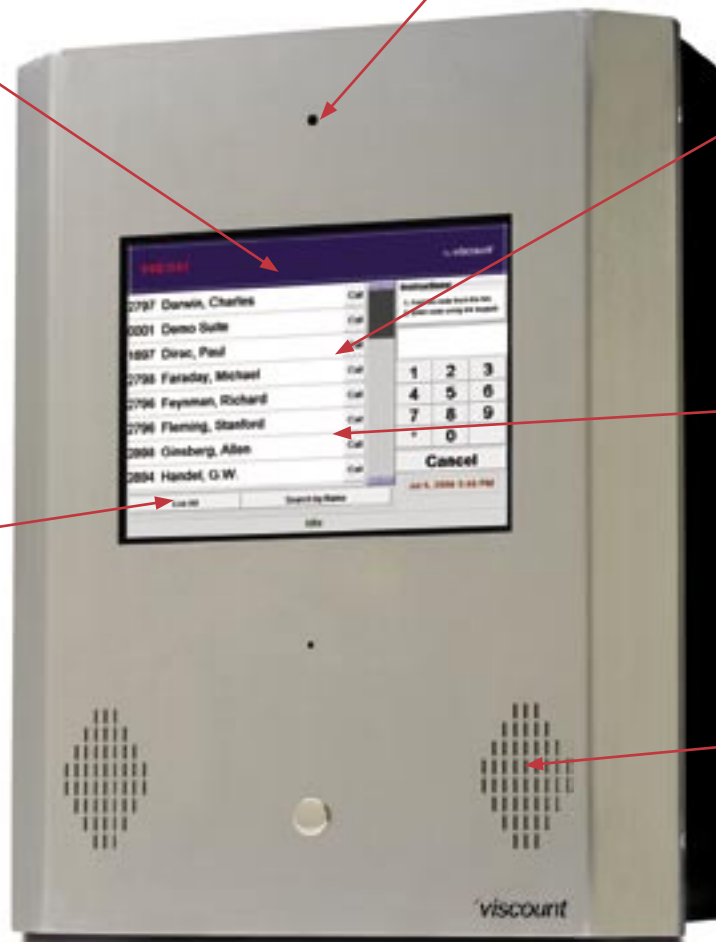
- Unlimited names
- Automatic call buttons
- Alphabetic "Quick Search"

## Touch Screens

- Full Color
- Viewable in direct sunlight
- Optional Vandal Resistant Tough-Touch

## Voice Prompts

- Multiple language verbal instructions
- Verbal confirmation of access allowed, denied



## A Good First Impression is a Lasting Impression

MESH panels can be part of a building management or marketing strategy. Screens can be customized to communicate to visitors and prospective customers.

"Hot buttons" can connect direct to sales and rental offices. Strategic relationships with service providers can be communicated to every visitor.

MESH provides verbal instructions and feedback in multiple languages to assist seniors, the disabled and different ethnic groups.

MESH panels can "double-up" as building information kiosks. The first thing visitors to your building will know is that this is a quality building, and of course, who you are....

# Using MESH is simple

Visitors first view a MESH or custom building information screen saver. MESH panels come with color and mounting options to fit any building entrance including free-standing pedestals. Vandal resistant Tough-Touch screens, anti-glare screens and lighting enhanced screens are all available. And unlike older "LCD" panels, MESH is viewable day or night and in direct sunlight!

Multiple language MESH allows the user to select a desired language. Current languages supported include English, French, Spanish, Chinese and Hindi. MESH welcomes visitors and verbally assists the user in this language by providing system instructions. Screen text also appears in the chosen language. MESH can easily be switched back to English in the event of error.

Touching the desired language on the screen will display the building directory. All text is oversized to visually assist the user. The directory includes both tenant listings and additional important building information and "hot buttons".

For commercial buildings a special layered directory is available. The main directory can show company lists and touching a company name can open a separate list of departments or employees. For gates serving multiple buildings this can be used to separate the directory by building address.

Visitors use their finger to find a name on the directory or use the "Search By Name" function. They dial a code or simply press the "call" button. The MESH keypad will verbally confirm each keypad number as it is pressed to avoid errors. If the number is busy or goes unanswered, a secondary number can be programmed for each listing. Verbal MESH prompts will tell the user if the system is dialing, busy, when the door is unlocked, if the wrong number was dialed or if they are denied entry.

## Flexible codes protect privacy and increase security

MESH panels provide a number of secure code alternatives. Individual names and suite numbers can be listed. Codes can also be randomized to increase privacy. Occupants can even request that they not appear in the directory at all. Visitors would then need to know the correct code before arriving. The actual occupant name can also be substituted with a proxy name to accommodate special needs such as home based businesses.

## Restrict Visitors to the floor they call

MESH panels have the ability to interface with elevators to limit building visitor access. Elevators can be restricted to allow visitors to only access the floor of the suite called to help secure parking and other sensitive areas. A MESH card reader in each elevator can also limit suite and floor access.

## Guard consoles control doors and track visitors

MESH guard consoles are used where a receiving desk admits visitors. They can also be used in conjunction with MESH panels that turn off at certain times of day or panels at gates and alternate doors.

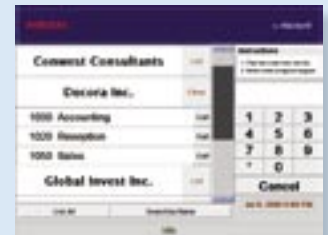
Guards can call suites and control doors and elevators manually from the console. They can view logs and change system settings using a password. Each visitor can have a digital jpeg image taken associated with the suite called and the time they entered. MESH Guard Consoles can also be used as a central programming station for card access, elevator control and alarm system functions.



Customized Welcome Screens  
Multiple Language Selections



Touch Screen Directory  
Press "Call" or dial code  
Audible feedback



Commercial Directory  
Drop down name/department listings



Alphabetical Quick Search



Jpeg Camera Capture  
Time/date/suite visitor images  
Output to cable TV, video recording/monitors

# Big Savings With MESH Addressable Access Control

MESH access control provides the latest building security functions at a greatly reduced cost of hardware, cabling, installation, service and space. MESH panels can operate independently to control doors and elevators or large numbers of panels and readers can be connected to a MESH server for large installations. MESH panels and servers have a complete array of building security functions including card access, remote controls for gates, elevator control, alarm control and video recording control.

MESH proximity readers bypass the need for traditional door and elevator controllers. Traditional "Wiegand" systems require hardware for each door or elevator to process card tag information and grant entry permission. MESH readers can be "daisy-chained" or homerun on standard Cat 5 cable to save enormously, not just on hardware but on cable, conduit and long-term service. All processing is done either at the MESH panel or a single central MESH server. In most buildings space is at a premium. Traditional systems require large rooms to mount equipment, space that becomes dead square footage. On control equipment alone, with each Wiegand control box costing upwards of \$1000 the potential cost savings are obvious!

## MESH vs. Traditional Wiegand 2 Door Controllers

Doors	MESH Server	Wiegand Controllers
20	1	10-20
100	1	50-100
200	1	100-200
200 + Elevator Control <small>Based on 12 elevators - 48 floors</small>	1	112-224

MESH proximity readers have other special functions to save money, increase reliability and reduce service. Each reader has built-in input/output relays so door strikes, magnetic locks and exit devices are connected at the reader. MESH readers are intelligent. If a reader experiences a problem it will send a signal that it requires service rather than finding out when people are trying to enter a non-functioning door.

## Flexible Alternatives For Any Application

MESH servers come in many configurations. For small systems or gates using MESH panels, a number of readers and elevators can be controlled from the built-in MESH server on the panel.

Basic MESH servers can provide access control and programming functions from a single station. In standalone mode simply plug in a keyboard, mouse and monitor and the control system can also be used as a programming station.

Larger sites may require MESH Server Enterprise. Unlimited numbers of cards and readers can be connected. Service is greatly reduced since a single set of circuit boards replaces the older controllers. These MESH servers also act as the central host for connected MESH panels and devices.

### Restrict Access Cards to Certain Floors

MESH is a full access control system. MESH elevator control restricts card users to floors allowed by building management. This can be single floors or combinations of floors and can be defined for each user.

MESH Elevator control requires separate elevator interface relays but no separate control mechanism.

### Increase Building Security with MESH Alarm

The MESH Alarm Client helps increase security and identify problems. Alarms can sound that doors are stuck or forced open. Sensors can tell doors to lock behind card users. Most commercial alarm accessories can be used with MESH including exit buttons, PIR's, glassbreak detectors, and door contacts.

MESH Alarm can communicate with and override burglar panels to reduce false alarms when designated card holders exit or enter a building.

MESH Alarm can also interface with video recording systems to switch cameras to only record certain activities, card usage, intercom usage, alarm conditions or any event defined by management.

MESH Alarm records event logs and can email details. MESH card readers are self-monitoring to let building management know the minute a reader problem or tampering occurs.

### Log In Any Time, Any Where with the MESH WEBGUI

The MESH WEB GUI allows programming and log viewing from any computer, any time, any where without the need to buy additional software. For onsite programming simply open an internet browser, type in the IP address of the MESH panel or server designated "master" and enter the password. Individual passwords restrict who can change or view system settings and directory menus. Programming can be done without interrupting system usage. Remote programming requires an internet connection or modem.

MESH software allows MESH panels and servers to network. In multiple panel installations the MESH server distributes the appropriate tenant list to each panel. Making system changes simply requires a network connection without having to program panels separately.

Panels can be configured to vary a number of parameters including conversation time, door open time and limits on the times door strikes are active. Many settings can be configured for individual tenants. Tenants can be programmed individually or in groups based on the system functions each can access or activate.

MESH access control provides incredible flexibility and convenience. Occupants can be programmed in groups and devices can be programmed on schedules. Panels and doors can be locked/unlocked automatically. Individual card holders can have different rules. Seniors and the disabled can have special door open delays to assist them in entering the building.

Unlimited numbers of users, groups and zones can be managed. Readers or groups of readers can be set to open, unlock and restrict access to certain occupants. Master cards can have full 24/7 building access.

### MESH Video Tracking shows who let who in, and when

MESH logs keep a record of each visitor entry by time/date/suite and built-in MESH digital cameras can save JPEG images of each visitor. MESH cameras can also tie into video handsets, video modulators and video recorders to allow residents to view visitors before admitting them. Combined with the MESH Alarm Client, security cameras can be set to record only when cards are used, doors are opened or by any event specified by MESH.



WEBGUI Programming from Any PC  
Onsite or internet programming  
User selectable security settings



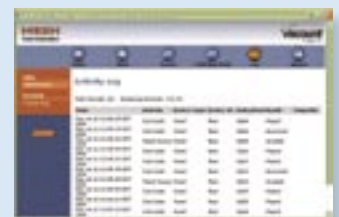
Flexible Programming Options for Each User  
Single intercom/access control database



Elevator Control and Restrictions  
Restricts card user access by floor  
Restricts visitors to the floor called



Interface with Alarm Systems  
Doors forced open or ajar  
Email notification of alarm situations



Logging of System Events  
Time/date logs of card or intercom usage  
Logs and email of all alarm events

# Expand MESH to Provide Complete Building Security

Each MESH panel can provide visitor entry as well as control up to 4 readers and 2 elevators.

For more sophisticated systems, MESH panels are connected to an IP Addressable MESH server to control unlimited doors, elevators and other devices. For more information please contact your Viscount Representative for the MESH Server Brochure.

## Combine MESH Reader Devices for Total and Flexible Building Security

**MESH has the ability to connect to most other card reader and biometric devices.  
Panels can also be integrated with existing security systems.**

— Please contact your Viscount representative for additional details. —

### MESH Proximity Readers

- Intelligent multi-drop 485 proximity readers run using standard CAT5 cable
- Readers have 1 output, 2 inputs built-in to control door strikes, exit devices
- Polling instantly identifies reader problems, can email alarm conditions



### MESH Interface for Biometric Devices

- Add any Biometric device for higher security doors or entrances
- Prevents card duplication and theft
- Not recommended for unsupervised, external doors



### MESH Radio Frequency Transmitters

- Individually coded for gates and parking areas
- Up to 100 Ft. Range
- Receivers in close proximity Not recommended



### Long Range Vehicle Proximity Readers

- Allows gates and doors to open without using a transmitter
- "Pucks" can be affixed to cars/trucks



### MESH Infrared Transmitters

- Individually coded for gates and parking areas
- Up to 50 Ft. Range
- Point and click
- Line of sight technology allows multiple units per site.



### MESH Guard Stations Combine MESH Panel and Programming Functions

- Built-in privacy telephone dials suites and admits guests.
- Make programming changes and manually operate doors or elevators.
- Displays logs of intercom and card access usage, jpeg visitor images and alarm events
- An external digital camera can take pictures of every visitor.



## MESH Panels - the future of interactive entry systems

\*New Optional Patented Tough-Touch Screens for Vandal Prone Areas

MESH panels are available with optional Tough-Touch screens for additional protection against vandalism. Tough-Touch screens are UL 1950 rated for impact resistance.

## Flexible Panel Options for any Installation

MESH panels come in a range of models to satisfy any installation requirement. Basic panels can be surface or flush mounted. Weather hoods are available for exterior mounting. MESH panels can be purchased as either Touch Screen or a telephone keypad for dialing. Screens come with standard anti-glare film for outdoor viewing in direct sunlight. An optional privacy screen that limits "over-the-shoulder" viewing is also available. Non-touch screen stainless steel panels can be employed if no directory is required.

### Powder Coated Touch Screen

- Stock colors: black, silver, gold



### Weather Hood/Panel

- Protects from rain/elements



### NTS (No Touch Screen) Panel

- For no directory required or high hazard areas



### Standalone Pedestals

- Mounts any painted or stainless MESH panel
- Optional weather hood



### Custom Colors/ Metal/ software

- Custom panels, metal and/or software
- For standalone directory or information kiosk.



### Stainless Steel Touch Screen

Call about custom color coating options



### Stainless Steel Keypad



### Adjustable Entry or Parking Pedestals

- Vertical viewing for gates
- Angled viewing for entrances
- Optional weather hood

# MESH Accessories & Upgrades

A wide range of accessories are available depending on individual site requirements. Viscount will be happy to help you specify your project and select the proper package of MESH devices.

## MESH Servers

See separate MESH Server brochure for detailed information

- Expand MESH to control unlimited doors and elevators
- Used to program MESH readers and panels



## Wiegand Converter

- 1 reader per module
- Attach Biometric, RF, Proximity to MESH



## MESH RJ45 Adapter

- Used to star/daisychain readers



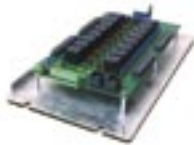
## Comport Adapter

- Expands reader capacity on MESH Server



## MESH Elevator Control

- 16 floors per module
- limit card holders to certain floors
- limit visitors to floor visited



## MESH Alarm Module

- 16 zones per module
- Burglar alarm shunt/override
- Monitor door openings/ajar/forced entry
- Attach exit devices, PIR's, glassbreak detectors



## Intelligent Door Relay

- Increase door strike security
- Prevents card reader tampering



## MESH Color Digital Camera

- Takes time/date/suite visitor jpegs
- \* Call for info on ccd cameras and DVR interface



## MESH Hub

- Used for multiple MESH panels
- Connects servers up to 300 feet apart



## Modem

- For remote dial-up programming
- Remote viewing of logs



## UPS

- Up to 3 hour power back-up



## Enterphone 2000

- Eliminate monthly phone charges
- Built-in call waiting
- Distinctive ring



## VIS Series Interfaces

- Adapt MESH to existing card access
- Track Visitor entry



## Enterphone Guardphone

- Interface MESH panels with Enterphone
- Interface MESH Guardstations with Enterphone



For product specifications call your Viscount Representative.

Call Toll Free **1-800-476-3774**

E-mail us at [sales@viscount.com](mailto:sales@viscount.com) or visit us at [www.viscount.com](http://www.viscount.com)

Viscount is a publicly traded company. For more information go to [NASDAQ.com](http://NASDAQ.com) and enter ticker symbol 'VSYS'

