

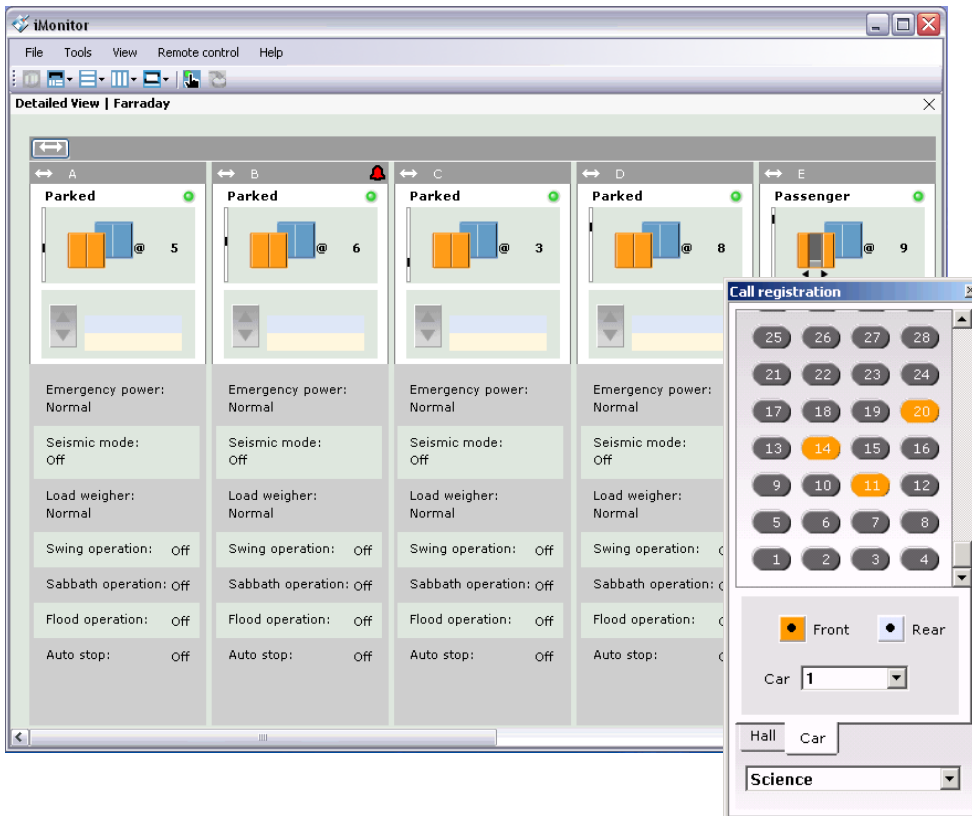
Monitoring Application for Elevators & Escalators

iMonitor is an advanced elevator monitoring and control application. Originally developed for MCE iControl exclusively, iMonitor has been expanded to include Motion 2000, Motion 4000, and legacy elevator controls from MCE, as well as Motion 3000 escalator controls. iMonitor capabilities are impressive.

- Local and remote viewing and control
- Register car and hall calls
- Control security functions
- Enable/disable operating modes
- iMonitor allows you to view sets of elevator groups or to narrow your focus to a single elevator car. Escalator monitoring is also available.

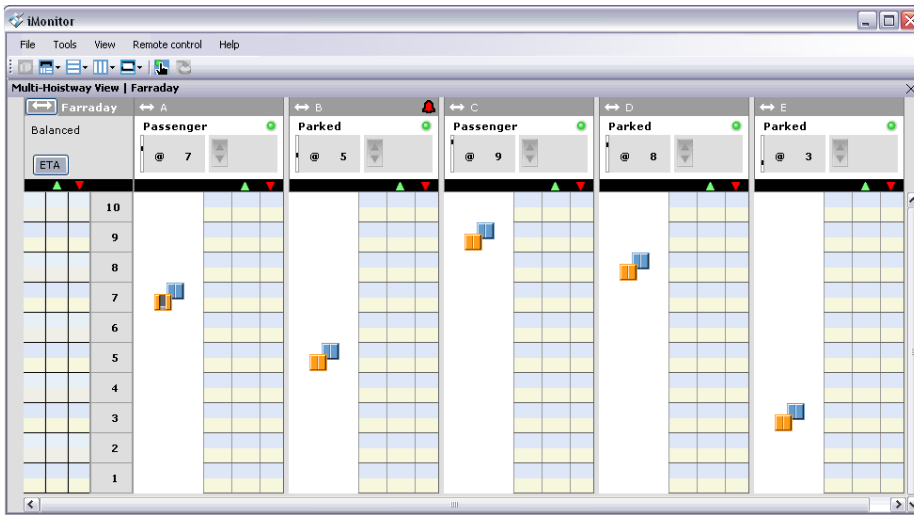
BENEFITS

- Multiple groups on a single screen
- Multiple hoistway view
- Single hoistway view
- Detailed view
- Real time operating status
- Visible and audible alerts
- Car and Hall call registration
- Current car location
- Next destination
- Real time door activity
- Local or remote connection
- Elevators and escalators
- 3D campus view option
- Security control
- Remote output triggering
- Lobby display
- Destination ETAs



Hoistway Views and Lobby Displays

Working within iMonitor, you have a hoistway view that provides the information you need to really see what your elevator group is doing.



The supervisor (left) column provides dispatching mode (balanced, lobby peak, demand up peak, demand down peak, auto-mode) and hall call ETAs for front and rear calls, as well as ETAs for non-directional calls (emergency medical, CFSS, etc.). For ETA information, a filtering control lets you see just the information you want. For each car, you see group communication status, Car ID, operating mode, hoistway location, current travel direction, current floor, preferred travel direction, group/independent status, next destination floor, door information, assigned up/down hall and car calls.

Lobby Display

A hoistway view designed exclusively for lobby use is also provided. For waiting passengers or for building personnel, the attractive, real-time lobby view is a perfect solution. The supervisor (left) column, as well as the “you are here” floor indicator are options that may be turned On/Off.

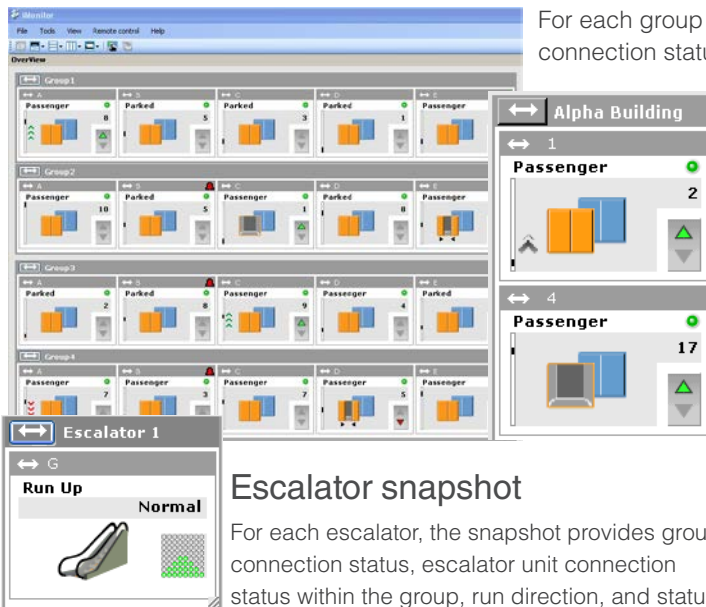
Elevator associated illustrations and capability descriptions all reflect connection to iControl systems. For other controllers, limitations are imposed by the capabilities of the specific equipment.



iMonitor

Depth Perception

iMonitor understands information. When you start iMonitor, you are free to select elevator groups or controllers to add to a "connection set" of over 50 different Ethernet addresses. It doesn't matter where any one of the connections is, as long as it has a unique address. For example, you could choose to set up a connection set that contained all the elevator groups in a state university system. It doesn't matter that they might be scattered over a large geographical area. When you open that connection set, iMonitor establishes connection with every group and displays them on the Overview screen. Practical limits to your connection sets are actually established by the size of your screen and the robustness of your Ethernet connections.



For each group on the Overview screen, you see group name, IP address, connection status and a snapshot of each car or escalator.

Car snapshot

For each car, the snapshot provides car ID, hoistway position, real-time motion indication, real-time front and rear door animation, operating mode, next travel direction, floor, connection information, dispatch status (independent/group), and visible/audible alarm indication.

Detailed screen



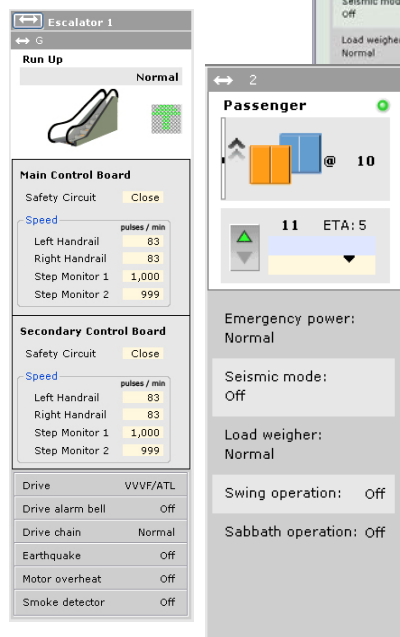
Escalator snapshot

For each escalator, the snapshot provides group connection status, escalator unit connection status within the group, run direction, and status.

Escalator Detail

For each escalator, the detail provides group connection status, escalator unit connection status within the group, run direction, and operational status. For both upper and lower entry control boards the detail provides primary safety circuit condition, left & right handrail speeds, and step monitor 1 & 2 speeds. For the escalator machine, the detail provides drive type, drive alarm bell status, drive chain condition, earthquake status, motor temperature status, and smoke detector status.

Escalator capability descriptions reflect connection to Motion 3000ES .



Per Car Detail

For each car, the detail provides operating mode, group status, real-time door animation, current floor (at or passing), real-time motion indication, next destination, preferred direction, ETA to next hall call, hall calls for front and rear doors, non-directional calls (i.e., Code Blue), emergency power status, seismic status, load weigher status, swing indicator, sabbath indicator, flood operation status, and auto-stop status.

From the broad brush overview, down to significant detail — that is why we say iMonitor has depth perception.

3D Perspective of the Entire Campus

MCE graphic and software developers will work with you to deliver a custom, three-dimensional layout of your site. Structures with elevators or escalators use lighted icons to indicate normal conditions and to immediately alert you if a unit is operating in any mode other than normal operation.

“Mouse over” a transportation group to view connection information. Click on a group icon to access detailed information about each elevator car.

Three sample site views are illustrated below.

