



ELEVATOR MONITORING AND CONTROL SYSTEM



## МеІЕуе

All Traffic in Your Hands

# All Traffic in Your Hands

## MelEye

MelEye closely observes the operational statuses of elevators and escalators that handle continually changing passenger traffic. This allows building managers to rapidly respond to changing traffic patterns, thus optimizing the performance of elevators and escalators and maximizing the added value of the whole building.



You can easily access all the necessary traffic information.  $\gg$ 



**(O)** Easy monitoring

of all elevators and escalators







## **Easy analysis** of traffic statuses from various angles

## Solutions for efficient traffic flow in the building

Operational information collected by MelEye can be used to analyze a building's traffic flow. This analysis can help to reduce congestion during a specific period of time as well as the waiting times for each floor.

Floor Data			14/No	v/2022(M	on)			07:00	- () 09:00	E.			
	Number of Hall Calls Waiting Time(sec)						Number of						
Whole		>=60sec(%)			Average			Maximum			Car Calls		
Floor	Up	Down	All	Up	Down	All	Up	Down	All	Up	Down	All	All
6	0	229	229	0.0	48.1	48.1	0	58	58	0	100	100	
5	28	37	65	4.7	8.4	6.8	19	23	21	41	35	41	
4	36	105	141	6.5	29.3	23.5	21	41	36	41	53	53	
3	39	63	102	7.3	10.1	9.0	22	24	23	41	54	54	
2	29	61	90	6.9	9.8	8.9	21	24	23	32	54	54	
1	376	0	376	60.6	0.0	60.6	70	0	70	155	0	155	
Total	508	495	1003	46.5	31.6	39.2	57	44	50	155	100	155	

MelEye solution



Prioritizing car allocation to congested floors

### **Other solutions**



Staggering the office start times or lunchtimes, etc. to lessen peak traffic

Encouraging passengers to use the stairs instead





## Simple operational settings on your screen

Elevator operation modes can be changed remotely according to the traffic conditions. By eliminating the need for maintenance personnel to change the operation modes in person, MelEye is able to quickly improve transport efficiency.



bottom floor directly to the top floor to reduce congestion on the bottom floor.







Floor Lockout



**Bank Separation** 

## **Specifications**

## Main Functions

Classification	Function	Description	Applic Elevators	Escalators
	Status monitoring	Monitors the following. • Alarm • Elevator • Status • Escalator/Moving Walk	S	S
OPERATION SETTING *1	Special operation control	Controls or schedules the following special operations* <sup>2</sup> manually via a computer: • NS — Floor Lockout • RCS — Out-of-service – Remote • RET — Return Operation • BSO — Bank-separation Operation • DPS — Down Peak Service • IUP — Intense Up Peak • LTS — Lunchtime Service • TFS — Main Floor Changeover Operation • UPS — Up Peak Service • VIP-S — VIP Operation	Ο	_
Widge-fieldingson     Cancel     Send     Cancel	Emergency operation control	Controls the following emergency operations: • OEPS — Operation by Emergency Power Source • FER — Fire Emergency Return • EER — Earthquake Emergency Return	0	_
ANALYSIS	Traffic	Collects statistics on the number of calls, the average waiting time and the long wait rate over the past 400 days and displays the data for a specified period of time, up to 31 days for average waiting time or 24 hours for other items, in a spreadsheet or histogram.	<b>O</b> *3	_
Vertical and the second	Playback	Replays the operational events during a specified period in the past 400 days.	0	_
HISTORY	Alarm History	Displays the alarm logs for the past 400 days and stores the logs in CSV format on the hard drive.	S	S
Image: sec: sec: sec: sec: sec: sec: sec: se	Operation History	Displays the operation change logs for the past 400 days and stores the logs in CSV format on the hard drive.	<b>S</b> *4	_
<complex-block></complex-block>	Building layout (2D/3D graphic)	Displays the locations of the grouped elevators and escalators in the building and highlights the elevators and escalators having any type of problem.	0	0

Notes: \*1. Scheduled operation is not available during emergency operations and some special operations. \*2. These are some of the options available. For other special operations, please refer to our product brochures.

\*3. Traffic analysis is not available for the elevators with the features below.

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Destination Oriented Allocation System (DOAS) • Bank-separation Operation (BSO)
 \*4. If the special operations and emergency operations are not controlled by MelEye, the operation change logs are not stored.

## Number of Elevators and Escalators Connected to MelEye

Elevators only	Up to
Escalators only	Up to
Both elevators and escalators	Elevat Escala

Note: If the number of groups or units to be installed exceeds the numbers shown above, a separate network connection is required. Please consult our local agents for details.

## Equipment Specifications

Device	Spec
Computer	<ul> <li>· CPU</li> <li>· Main</li> <li>· HDD</li> </ul>
Monitor	23" oi
Hub	10BA\$
Printer	Page

Notes: 1. The specifications listed above are the minimum requirements for MelEye. 2. Depending on the monitoring functions or the number of elevators/escalators, the capacities listed above may need to be increased. 3. Provision of power supplies is not included.

4. Workstation furniture, such as desks and chairs, needs to be prepared by each customer.

5. Power supply source in case of power failure needs to be provided by each customer.



Notes: \*1. A computer connected to the MelEye system can control the special and emergency operations of the elevators. \*2. The maximum number of additional computers is two devices.



- : Not applicable

32 groups / 96 units

```
30 units
```

tors : Up to 32 groups / 96 units ators :Up to 30 units

### cification

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Intel Core i5 or greater
memory: 8.0 GB or more
: 100 GB or more
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more wide display [Resolution: **1920** × **1080**]

SE-T / 100BASE-TX

printer (optional)



Our elevators, escalators and building management systems are always evolving, helping achieve our goal of being the No.1 brand in quality. In order to satisfy customers in all aspects of comfort, efficiency and safety while realizing a sustainable society, quality must be of the highest level in all products and business activities, while priority is place on consideration for the environment. As the times change, we promise to utilize the collective strengths of its advanced and environmental technologies to offer its customers safe and reliable products while contributing to society. \* Quality in Motion is a trademark of Mitsubishi Electric Corporation.

### ISO9001/14001 certification

Mitsubishi Electric Building Solutions Corporation Inazawa Building Systems Works has acquired ISO 9001 certification from the International Organization for Standardization based on a review of quality management. The plant has also acquired environmental management system standard ISO 14001 certification.





### MITSUBISHI ELECTRIC BUILDING SOLUTIONS CORPORATION

HEAD OFFICE : TOKYO BLDG., 2-7-3, MARUNOUCHI, CHIYODA-KU, TOKYO 100-8310, JAPAN https://www.MEBS.com/



