

GATEWAY

THE IOT MIRROR FOR LIFT CARS



The magic mirror opens up
the lift car to the outside world

A new revolutionary multimedia tool

Gateway applies IOT technology to lift car mirrors,
transforming them into new, powerful, revolutionary devices.
A completely new multimedia tool connected to the Internet.



LIVE EMERGENCY RESPONSE

A calm passenger
is a safe passenger

Emergency Mode

In the event of an alarm Gateway
can provide audio-video communication
between passengers and the 24/7 servicing.



Instructions, manuals, videos,
tech schemes, always available

Maintenance Mode

Gateay can provide support to maintenance personnel.

Mirror turns into a touch-screen video connected
on site to a remote computer (access to instructions,
manuals, videos, tech schemes, etc.)



Communication, digital signage and advertising

The mirror becomes a device which can show information, photographs, videos, advertising and much, much more, with the possibility of remotely changing the contents in real time.

Information

Photo

Video

Advertising

Digital signage

to sell commercial communication/advertising

Quick pay-back

on the investment





Emergency Support Mode

BI-DIRECTIONAL AUDIO-VIDEO COMMUNICATION DEVICE

from/to the safety/assistance service 24/7

(additional invisible micro camera + loud speakers)

SERVICE SIDE

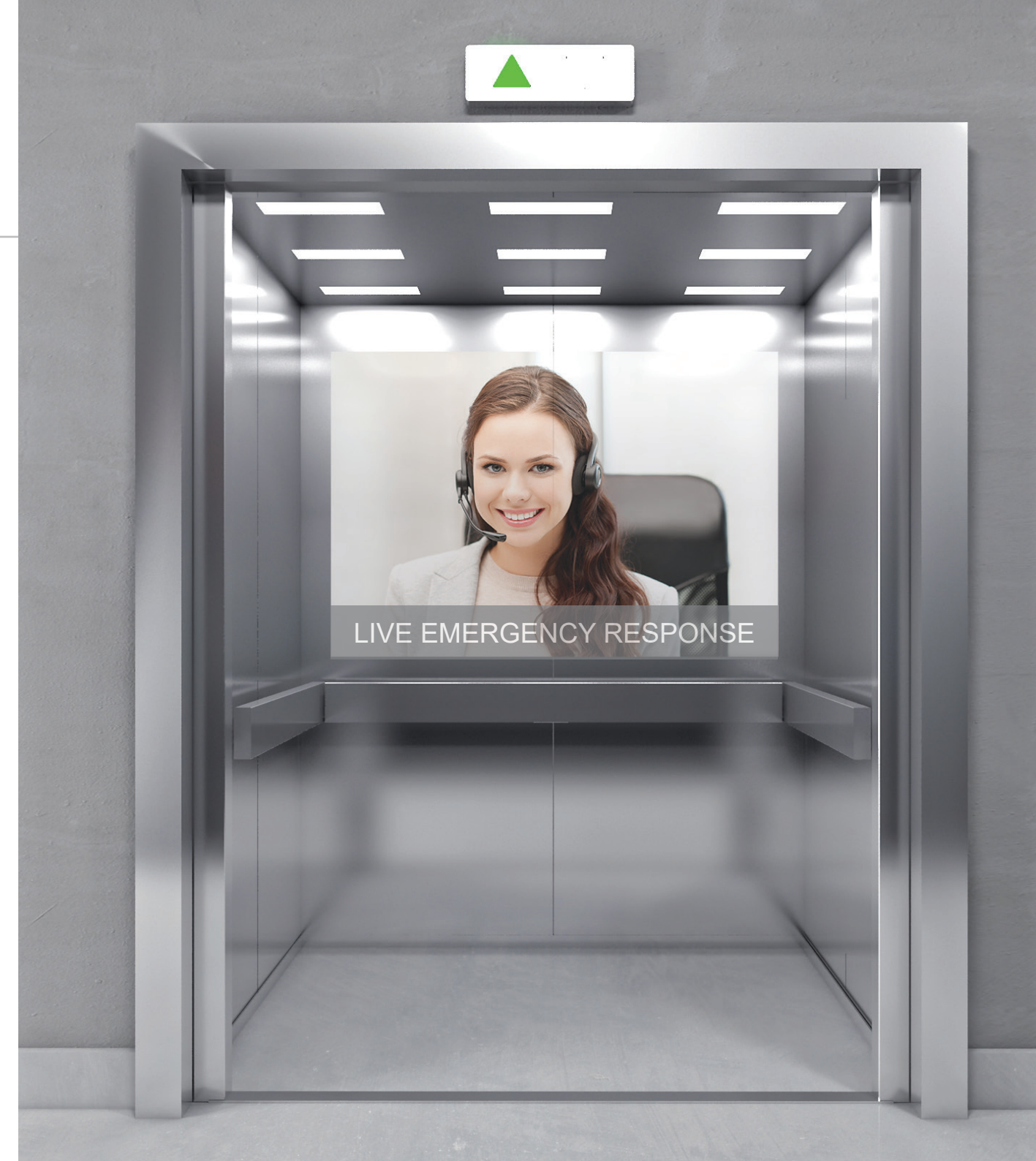
Health emergencies, fake alarms or special needs can be detected

(i.e. writing a message on screen in case of hearing impaired passenger)

PASSENGER SIDE

A human face (rather than just an audio conversation)

calms passenger, reduces panic, improves communication





Maintenance Support Mode

MAINTENANCE

Maintenance personnel have a remote audio/video direct connection to HQ servicing, control room etc.

Mirror turns into the video screen of a remote computer (access to instructions, manuals, videos, tech schemes, etc.)

TOUCH SCREEN MODE

(can be activated by service personnel on site)

- Enhances interactivity
- Powerful support to predictive/programmed maintenance, displaying tech information
(graphics, real time video recording, functional parameters, etc)





Technical Features

LIGHT AND THIN

NO impact on car load

NO impact on weights and footprint

NO need for bulky videoscreen or small touch-pads

Depth about 40 mm

ELEGANT AND ADAPTABLE DESIGN

Customizable mirror and finishing

Customizable mirror serigraphy (silk screening)

Added value for the lift car

IMAGE QUALITY

High resolution and brightness for any kind of content:
video, photo, graphics, etc.





Technical Features

TOUCH-SCREEN MODE (optional)

Remote or local activation/disactivation

TOUGH AND RELIABLE

Mirror is based on the technology developed for the doors for refrigerated cabinets in shops and supermarkets:

- intensive use
- impact resistant
- high reliability over time

CONNECTION WITH DIGITAL WORLD

PLUG&PLAY APPROACH

- 1 Power cable
- 1 PC cable

CONNECTION

- (via LAN or Wi-Fi)
- Local network
 - Internet





Technical Features

PROFESSIONAL FULL HD

(1920x1080 resolution)

Specifically designed to operate 24/7 with high brightness efficiency

VIDEO AND TOUCH SCREEN AREA

- Standard: 42" - 49" - 55"
- Other options available according to car dimensions, etc.

DISPLAY ORIENTATION

- Horizontal
- Vertical

VIDEO DISPLAY

Power - Dimensions - Weights

Feature		42"	49"	55"
POWER	Supply	100-240V ~ 50/60Hz	100-240V ~ 50/60Hz	100-240V ~ 50/60Hz
	Type	Built In	Built In	Built In
	Consumption	110W	125W	140W
DISPLAY	Dimensions	949x555x32 mm	1095x637x32 mm	1230x714x32 mm
	Resolution	1.920x1080 (FHD)	1.920x1080 (FHD)	1.920x1080 (FHD)
	Contrast ratio	1.300:1	1.300:1	1.300:1
WEIGHT	850x2130 mm	35 Kg	39 Kg	45 Kg
	950x2130 mm	37 Kg	41 Kg	47 Kg
	1100x2130 mm	41 Kg	45 Kg	51 Kg



Installation and Assembly

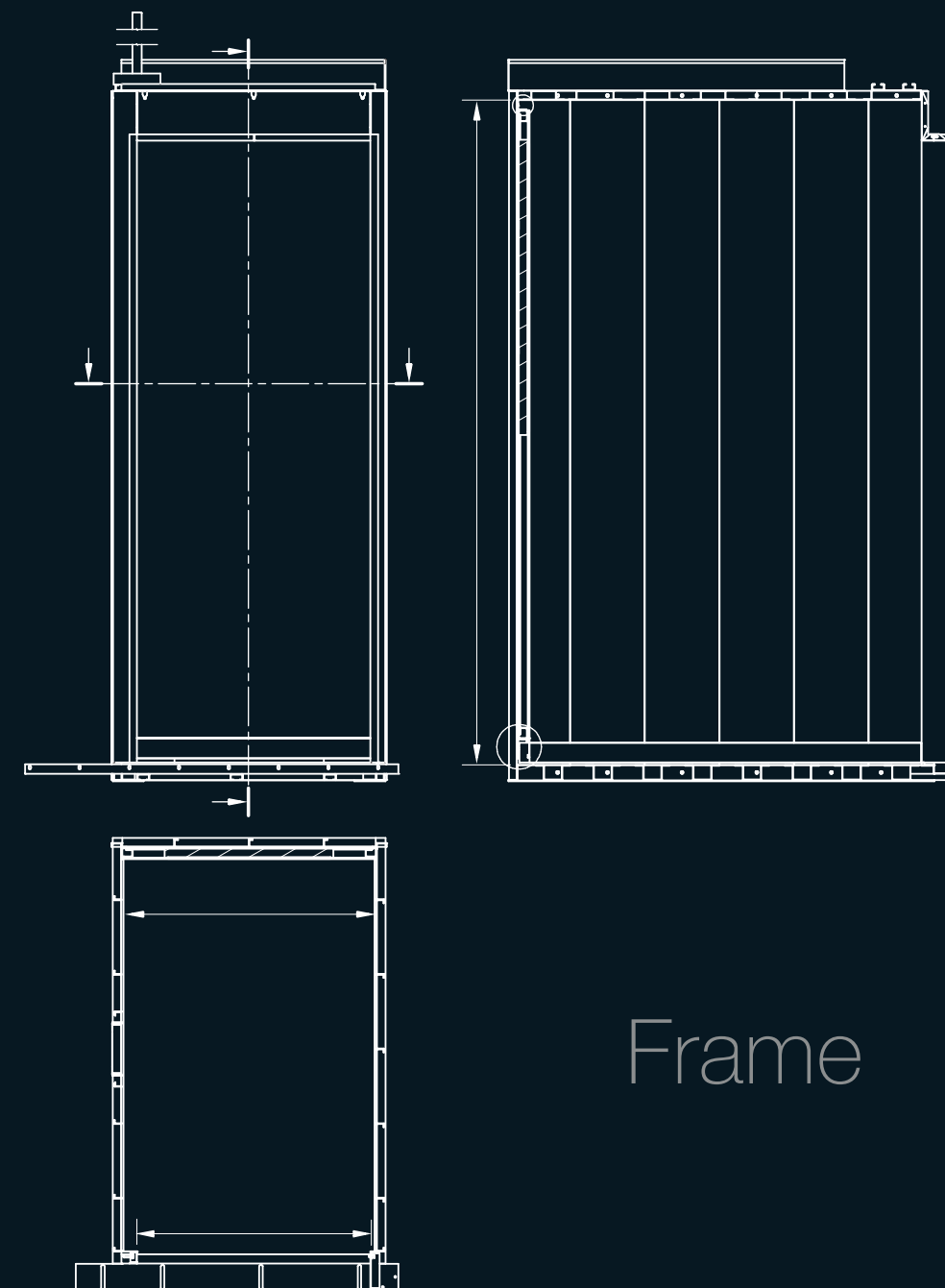
EASY, QUICK AND FLEXIBLE

Adaptable both for **new cars or modernizations**

Simply and quick fixing system due to the frame rigidity
(few fixing points on top and bottom)

Fixing points at transom easily hidden
to provide **slim and elegant lay-out**

Air space required at top
to evacuate heat of electronic hardware





Models and Frames

STANDARD MODELS

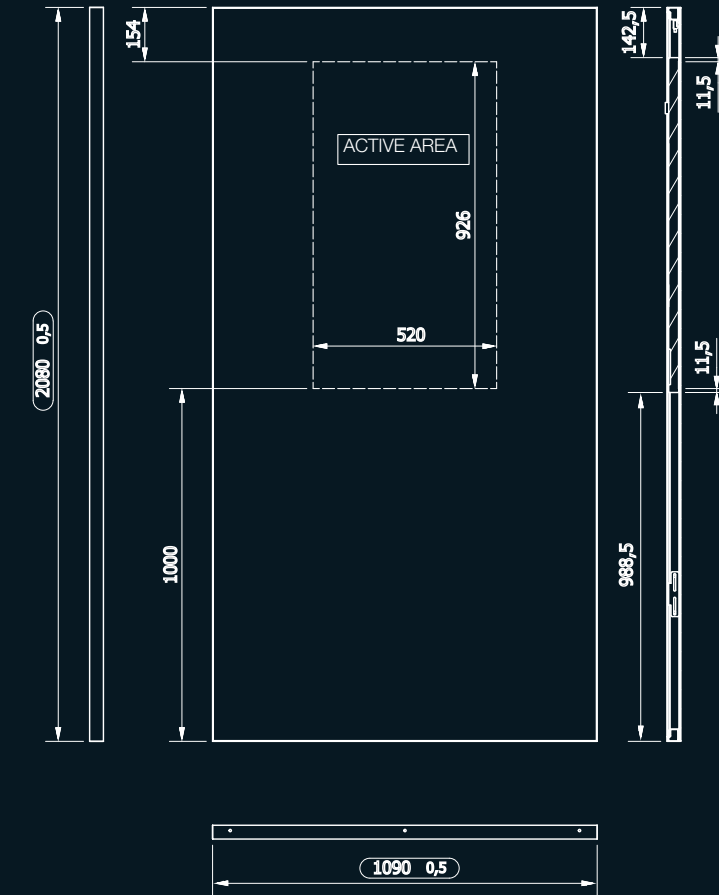
- 800 x 2130 mm (rated load 325 Kg)
- 950 x 2130 mm (rated load 480 Kg)
- 1100 x 2130 mm (rated load 630 Kg)

TAILOR-MADE AND CUSTOMIZABLE

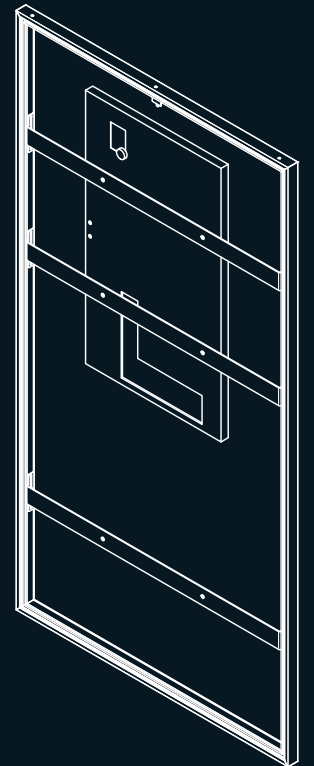
- Adaptable to specific application
- New lifts
- Modernization of existing lift cars

FRAME

- Special aluminium profiles supporting the whole structure (video + mirror)
- Negligible impact on loads and car area



Video & Mirror





LU-VE Group is one of the major three manufacturers in the world (listed on the Milan Stock Exchange) in the air heat exchanger field: refrigeration (commercial and industrial); process cooling for industrial applications and power generation; air conditioning (civil, industrial and close control); glass doors and closing systems for refrigerated counters and cabinets.

Over 3,500 qualified people and 16 manufacturing plants (Italy, China, Czech Rep., Finland, India, Poland, Russia, Sweden & USA).

Turnover over €400 million.

www.luvegroup.com



TGD - Thermo Glass Door is part of LU-VE Group.

TGD (Travacò Siccomario (PV), Italy) produces glass doors and closing systems for professional, industrial and domestic refrigeration equipment; mirrors for special applications.

TGD is young and dynamic and has rapidly established itself on the market of commercial, professional, industrial and scientific refrigeration. TGD has proudly achieved this result by keeping faith with the principles: access constantly to the most advanced technologies, innovate relentlessly and, above all, work closely and in harmony with customers.

TGD IoT and Digital Signage is the TGD branch manufacturing mirrors for special applications (lift cars, hotel rooms, gyms, etc).

<https://components.luvegroup.com/gateway>



GATEWAY

Italian Patent No. 102017000031537 - European Patent Pending



TGD
IoT and Digital

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