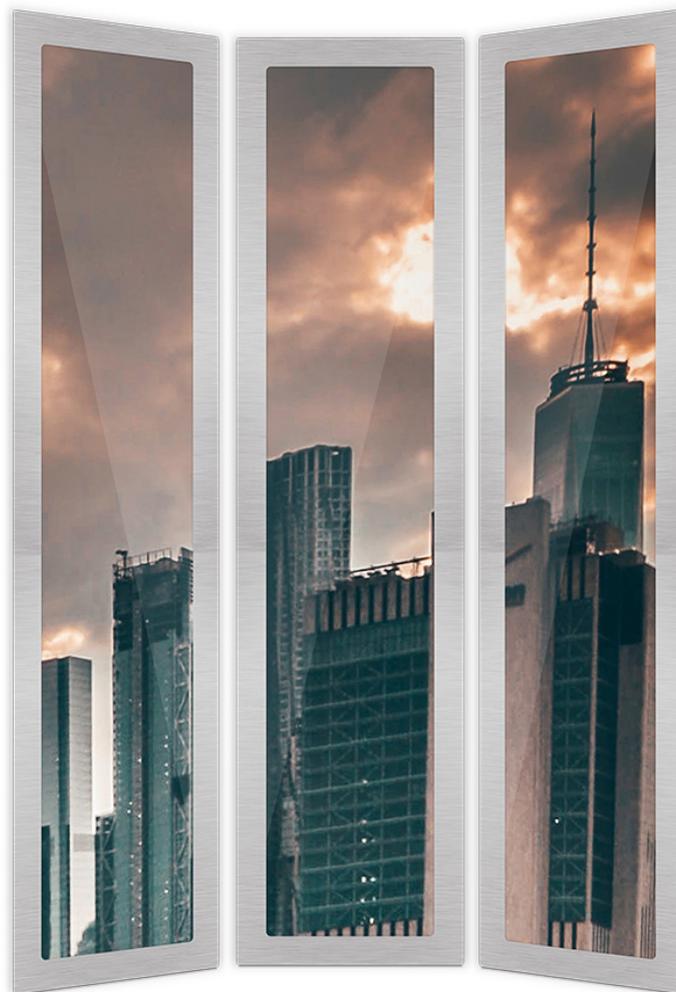


User Manual

Position dependent videos

in elevators



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Notes on the flexyPage documentation

This user manual describes the technical characteristics and the setup of the flexyPage system for displaying position-dependent videos (digital window). It is only a part of the complete product documentation and is subject to constant updating.

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ELFIN Technology GmbH is not liable for damages, possible errors and their consequences which occur in connection with the delivery or use of this product data sheet.

Please read the documents carefully before use!



The current version of the manuals, product data sheets and other documents and application examples can be found on the product homepage at:

Introduction to the flexyPage system

flexypage.de/en/doc/documentation

Quick start guide

flexypage.de/en/doc/documentation

Video and tutorials

flexypage.de/en/videos-and-tutorials

flexyPage user manual

flexypage.de/en/doc/documentation

Widget descriptions

flexypage.de/en/doc/widget-descriptions

Product datasheets

flexypage.de/en/doc/documentation

Frequently asked questions

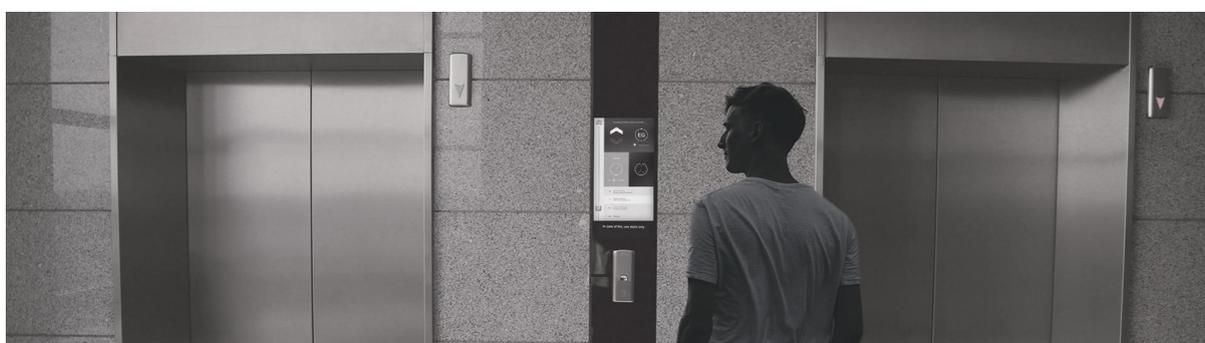
flexypage.de/en/faq

Sales contact

flexypage.de/en/sales

Support contact

flexypage.de/en/support



Scope of application

The flexyPage display system for 'position-dependent videos' is used for direction-, position- and speed-dependent display of videos on monitors in elevators and on the floors of elevators. For this purpose, the sensor data of a position sensor with CANopen-Lift interface are evaluated by the flexyPage display controller and the frame of a video corresponding to the position, direction and speed is displayed on a monitor in real time. The system can display several videos synchronously on different monitors.

The system is suitable, for example, for simulating the view from a window in an elevator.

Assembly

The components can be mounted in or on the car of an elevator or as a floor display.

For the mounting of the video controllers, sheets for fastening are included (see below).

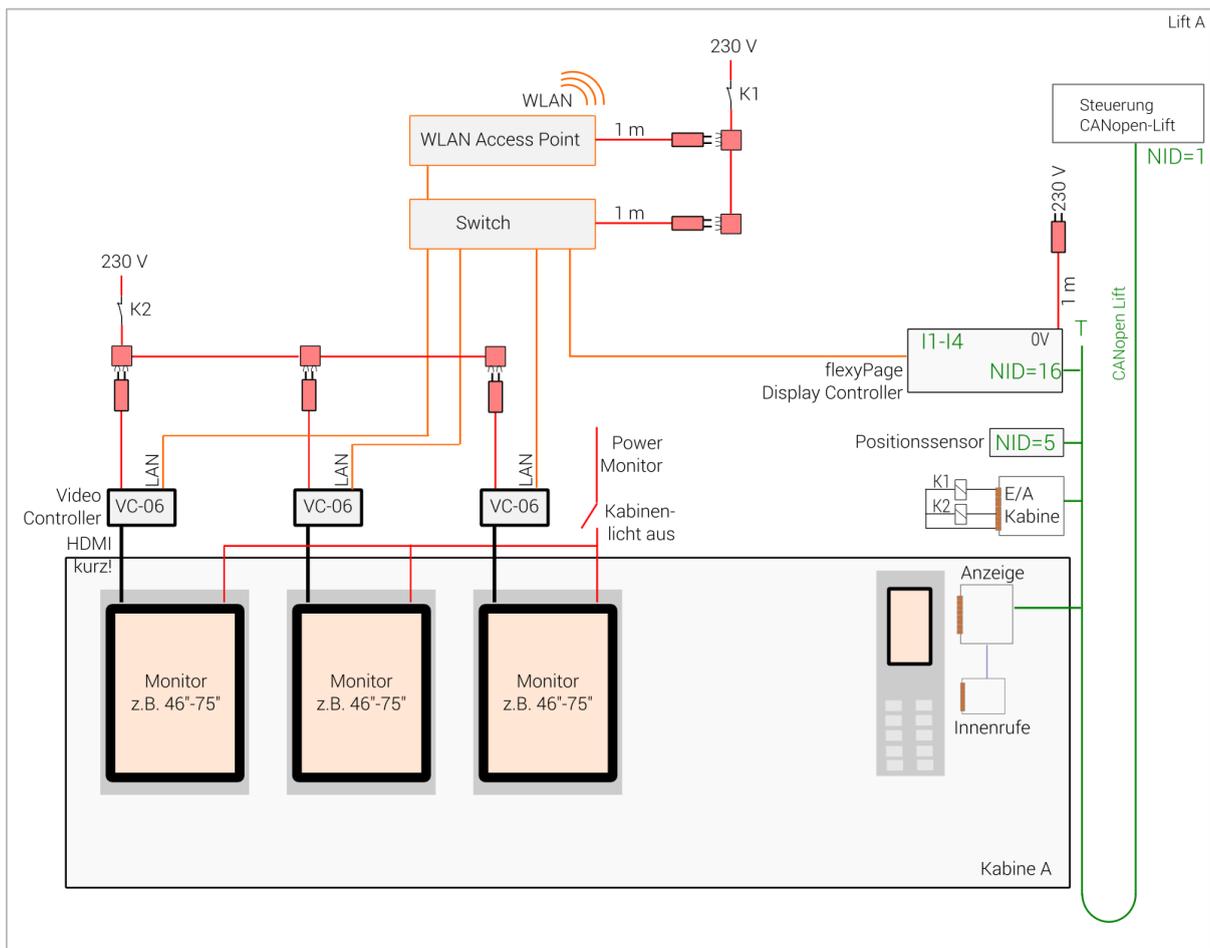
In order to avoid interference with the video signal output, the HDMI cables between the monitor and the video controller should be of high quality and as short as possible. When laying the cables, make sure that they are not near other cables of the elevator over which strong currents flow and which cause interference, such as from latch magnets or door control units.



Topology

The following picture shows a schematic structure and the wiring of the components.

Topologie - Positionsabhängige Videos



Power supply

The devices flexyPage Controller, switch, WiFi access point and video controller should not be switched off during normal operation of the elevator!

If consumer hardware without an internal watchdog is used for the WiFi access point, switch or video controller, the possibility should be provided for the operator to disconnect these devices from the power supply for a short time if necessary. This can be done by a radio remote control or automatically via relays (see drawing K1, K2).

First start

Connect the devices as described in the 'Topology' section (CAN bus, HDMI, power supply). This must be done by a qualified technician. After checking the correct wiring, switch on the system. At delivery, after booting the devices, a white start screen with a black box is displayed on the monitors.

You can now continue with the next step, the calibration of the position sensor.

Calibration of the position sensor

To calibrate the position sensor, first reset the values via the web interface. Navigate to "Configuration", select "Reset min and max sensor position" and confirm with the "Submit" button.

Then move the elevator once to its highest and lowest position. The system will 'learn' the height of the elevator, which will then be assigned the length of the video. The necessary sensor values are stored in the video controller.

Uploading a video

Uploading a video to the video controller can be done with a laptop and a current browser. No special configuration software is required.

To upload a video to a video controller, connect your laptop to the network where the video controllers are located. Start the browser and call up the web interface (the configuration interface) of the video controller into which the video is to be loaded. To do this, enter the IP address of the video controller in the web browser. The preconfigured IP address can be found on the sticker on the device (e.g. 192.168.2.61, 192.168.2.62 and 192.168.2.63).

Navigate in the web interface to "Upload file" where you can select a video file. Once you have selected a file, confirm this with the "Submit" button. Uploading a video file can take several minutes, depending on the file size.



Note

See the following chapter for a list of supported video formats.

After the upload is finished, the application starts to convert the video to a special internal format. This is done only once after uploading a new video and can also take a few minutes. After this process is completed, one frame of the video is displayed as a still image on the monitor.



Note

The first image after the conversion may show some interference. This will be corrected after the first runs. Also a slight "jerking" of the video is to be expected during the first rides.

Video format and length

For the best possible display, the video format H.264/MPEG-4 with a frame rate of 30 fps and a resolution of 1080p/FullHD is recommended.

If you wish to use other formats, please contact support.

The length of the video should preferably correspond to the time of the complete elevator ride from the lowest to the highest position.

Screen rotation

Depending on the installation situation, it may be necessary to rotate the image on the monitor. To rotate the screen display, navigate to the "Configuration" menu item in the video controller web interface and select the appropriate option. To rotate the screen by 180 degrees, select "Rotate the screen: inverted"" and confirm with "Submit". To rotate the screen back to its original position, select "Rotate the screen: normal".

Rotation of 90° or 270° is not possible. To do this, the content of the video must be rotated.

Software update

If a software update is necessary on the video controller, please contact support.

Project specific IP addresses and access data

The devices are preconfigured as follows on delivery. We would be pleased to adapt this data for you specifically for your project. Please contact the sales or support department for this.

WiFi access data

WiFi key: Video1234

Password WiFi router: flexyPage1234

IP addresses

Device	IP
WiFi router (e.g. fritzbox)	192.168.2.222
first video controller	192.168.2.61
second video controller	192.168.2.62
third video controller	192.168.2.63
fourth video controller	192.168.2.64
display controller Boxed V4	192.168.2.66

Access data flexyPage display controller Boxed V4

User: Setup

Password: Display1234

Document history

Version	Release Date	Release notes
1.0	2016-05-04	First version
1.1	2020-03-30	Contact details added and typo
1.2	2022-03-18	New address

Your contact persons

Even an extensive documentation cannot answer all questions. Do you have questions or suggestions concerning our flexyPage system? We look forward to your requests. You can contact us at:

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