

## Video Monitor VM1405

For visualization of up to 4 camera images  
 (Quad)



- TFT monitor for survey tasks in vehicles (passenger area or train clearance)
- Control keys for selection of up to 4 FBAS / NTSC / PAL inputs
- Quad illustration: Simultaneous displaying of one or four video sources (cameras)
- Fits for railway vehicles (fulfils acc. standards)
- Protection class IP65 / IP40
- For on-board voltages from 24V up to 110V DC
- Slim dimensions, therefore also for tramways and trolley-buses qualified

The Video monitor VM1405 has been designed for illustration of up to 4 video sources with FBAS, NTSC or PAL signals used by camera systems. The VGA display, used as standard, enables a practical solution when illustrating 4 pictures at the same time (Quad). An optimaton can be reached by using the optional SVGA or XGA display. The display illumination is controlled automatically or manually.

## **Technical Data VM1405**

### **Processor**

- Chipset for video processing
- $\mu$ C for illumination control and temperature management
- Request of keyboard

### **Display**

- 10.4" TFT display, 450 cd/m<sup>2</sup>
- 640x480 pixels (VGA)
- Automatic or manual illumination control

### **Keyboard**

- 8 single keys (backlight illumination up, down, automatic, quad, 1 to 4 for choice of cameras) with overlaying minted foil
- High abrasion and chemicals resistance
- Keys with LED illuminating (unlimited lifetime)
- Key illumination controlable

### **Interfaces**

- 4 FBAS, NTSC or PAL inputs for cameras (mixed Sub-D connectors)
- Keys for camera selection

### **Power Supply**

- Wide input voltage range from 24 up to 110V DC (+/-40%)
- Power consumption approx. 25W

### **Mechanics**

- Protection class  
Front IP65  
Entire Unit IP40
- Rugged steel sheet housing (RoHS compliant)
- Dimensions WxHxD: 310 x 214 x 90mm

### **Environmental requirements**

- Temperature range:  
Operating -25°C up to +55°C (heating below +5°C)  
Storage -25°C up to +70°C
- Separate electronics for temperature management
- Complies with railway standards EN50155 and EN50121

### **Options / Versions**

- Custom-made keyboard layout and front design (logo)
- Transflective display
- Larger displays (up to 15")
- SVGA, XGA