

Funkwerk information and display systems

TFT 55" WIDE



The TFT 55" WIDE display offers a wide range of applications as a departure and arrival display in the station or bus stop area.

MAXIMUM FLEXIBILITY

The TFT 55" WIDE display offers high flexibility and energy efficiency as well as maximum safety. All devices are equipped with various sensors for brightness control, vandalism detection, prevention and protection against damage and destruction. They also have an optional stand-by function that automatically switches the displays to energy-saving mode when inactive. A text-to-speech (TTS) function can also be integrated.

The TFT 55" WIDE display can be used both indoors and outdoors.

HIGHLIGHTS

- » single-sided / double-sided for indoors and outdoors
- » double-sided version as master-slave variant possible
- » modular design – easy maintenance and good availability of spare parts
- » integrated sensors for monitoring temperature, humidity, brightness and fault detection
- » anti-reflective laminated safety glass with highly effective IR and UV blocking filter
- » powerful control unit for high-resolution applications or video playback
- » CE certificate, TSI conformity

TECHNICAL DATA

GENERAL DESCRIPTION

Exact designation	TFT 55" WIDE display single-sided – landscape format TFT 55" WIDE display double-sided – landscape format
Area of application	outside and inside, even in direct sunlight < 20 W

TFT-PANEL

Display area	Screen size (H x W):	ca. 1.210 x 340 mm
	Screen diagonal:	49.5" (stretched)
	Aspect ratio:	16:4.5 landscape format
	Resolution:	1.920 x 540 pixels
Display colour	up to 16.7 million possible colours	
Viewing angle	typically 176° in horizontal and vertical direction	
Initial brightness value	max. 2.000 cd/m ²	
Original contrast	typically 1.500:1	
Ambient light	readable even in direct sunlight	
Backlight	LED backlight, automatic brightness control	

HOUSING

Front glass	anti-reflective laminated safety glass with a thickness of approx. 8.8 mm, with highly effective IR and UV blocking filter
Material of the housing	Aluminium
Surface	base colour: DB703, other colours on request
Mounting	wall bracket, inclined wall bracket, pole bracket

TECHNICAL DATA

DIMENSIONS / WEIGHT

Dimensions (W x H x D)	1.360 x 480 x 185 mm	
Weight	TFT 55" WIDE display single-sided:	approx. 60 kg
	TFT 55" WIDE display double-sided:	approx. 114 kg

POWER SUPPLY

Power supply	230 V / 50 Hz, fused via FI / LS switch with 30 mA / 6 A, tripping characteristic C	
Electrical protection class	protection class 2	
Typical power consumption operation	TFT 55" WIDE display single-sided:	connected load 150 W; typ. 70 W
	TFT 55" WIDE display double-sided:	connected load 280 W; typ. 120 W

CLIMATIC AND ECOLOGICAL CONDITIONS

Temperature range operation	-20° C to +40° C	
Temperature range storage	-20° C to +60° C	
Air conditioning	recirculated air circuit	
Useful life of the device	approx. 10 years, decrease in screen brightness to 50 % after 100,000 h (at T = 25 ± 2° C)	
Protection class	IP54	
Approvals	CE (EMC and electrical safety)	

CONTROL UNIT & INTERFACES

Control unit	for advanced applications such as high-resolution videos, images, etc.	
Standard interfaces	HDMI 2.0, USB 3.0, USB-C, Gigabit Ethernet / LAN RJ45, etc.	
Data interface (optional)	fibre optic module; LTE module	

TECHNICAL DATA

INPUT / OUTPUT COMPONENTS

Release button (optional)	push button with raised letter 'i' as information for people with impaired vision
Read aloud function (optional)	connection to TTS-Engine server, licence and language package not included; optional licence and language package German / English / French; other languages on request

SENSORS AND MONITORING

Sensors	monitoring the temperature and humidity inside the appliance monitoring of the display backlight vandalism detection with glass breakage detector and vibration sensor
Funkwerk sensor module (optional)	for stand-by control of the indicator, control of the screen brightness and train phase detection
Display control function and network access	Funkwerk control unit for controlling the indicator via the integrated browser Service WEB interface, accessible via web browser, SSH, SCP, VNC, SNMP v1 / v2 / v3
Brightness control & fallback display	automatic brightness control
Monitoring functions	monitoring of temperature and humidity detection of glass breakage monitoring of ambient light and detection of the presence of people detection of faults in the backlighting of the indicator