

ED253TT3

25.3" ePaper (E Ink Carta 1.2)



16 Gray
Tones



Always
On



Low Power
Consumption

ED253TT3 is a reflective electrophoretic E Ink® technology display module based on active matrix TFT substrate. It has 25.3" active area with 3200 x 1800 pixels, the display is capable to display images at 2-16 gray levels (1-4 bits) depending on the display controller and the associated waveform file. The display has an extended temperature range in 2 gray tones: black and white mode. The using mini-LVDS gives an advantage of reduced noise levels and better EMC behavior. The form factor closes the gap between 13.3" and 31.2" and extends the application area. It can be implemented successfully in advertisement and retail signage. An optional T-CON board for the panel is also available.

FEATURES

- Mini-LVDS interface
- 16:9 form factor
- High contrast TFT electrophoretic
- Ultra wide viewing angle
- Ultra low power consumption
- Pure reflective mode
- Landscape mode
- Wide temperature operating range

<https://www.beck-elektronik.de/produkte/displays/e-paper-display-epd/active-matrix-e-paper/e-ink-epd/ed253tt3>



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MECHANICAL SPECIFICATIONS

PARAMETER	SPECIFICATIONS	UNIT	REMARK
SCREEN SIZE	25.3	inch	16:9
DISPLAY RESOLUTION	3200(H) x 1800(V)	pixel	DPI: 144
ACTIVE AREA	560.0(H) x 315.0(V)	mm	
PIXEL PITCH	175(H) x 175(V)	um	
PIXEL CONFIGURATION	Square		
OUTLINE DIMENSION	576.5(H) x 333.0(V) x 0.93(D)	mm	
MODULE WEIGHT	388±15	g	
NUMBER OF GREY	16 Grey Level (monochrome)		
INTERFACE	Mini-LVDS		
OPERATING TEMP. RANGE	0 .. +50	°C	Note 1
STORAGE TEMPERATURE	-25 .. +70	°C	

Note 1: Wide temperature operating range from -15°C~0°C to 50°C~65°C with 1-bit WF

