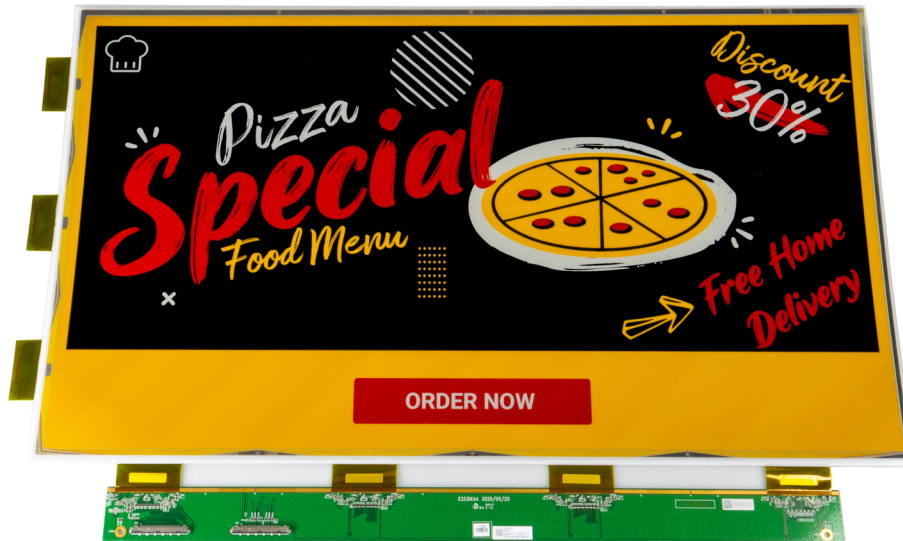


EL253TV1

25.3" ePaper (E Ink Spectra 3100)



4 Colors



Refresh Time
30s



Always On
24/7



Low Power Consumption

EL253TV1 is a reflective electrophoretic E Ink® Spectra 3100 technology display module based on active matrix TFT substrate. The diagonal length of active area is 25.3" and contains 3200 x 1800 pixels. The display is capable to display black, white, red and yellow images depending on the display controller and the associated lookup table used. The significant feature is the narrow operating temperature range. The form factor, well known from the TFT world, extends the applications area for the panel. It can be successfully implemented in advertisement signage and retail signage.

FEATURES

- Black white, red and yellow display
- Mini-LVDS interface
- 16:9 form factor
- High contrast TFT electrophoretic
- Ultra wide viewing angle
- Ultra low power consumption
- Pure reflective mode
- Landscape/Portrait mode

<https://www.beck-elektronik.de/produkte/displays/e-paper-display-epd/active-matrix-e-paper/e-ink-epd/el253tv1>



BECK GMBH & CO. ELEKTRONIK BAUELEMENTE KG
ELTERS DORFER STR. 7 | 90425 NUREMBERG
PHONE +49 911 93408-0 | INFO@BECK-ELEKTRONIK.DE | WWW.BECK-ELEKTRONIK.DE

TECHNICAL SUPPORT & CONTACT INFORMATION
FOR MORE INFORMATION, CUSTOMIZED ADAPTIONS
AND NEW DESIGNS PLEASE [VISIT OUR WEBSITE](http://WWW.BECK-ELEKTRONIK.DE)

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	Rectangle		
OUTLINE DIMENSION	576.5(H) x 333.0(V) x 0.85(D)	mm	w/o masking film
MODULE WEIGHT	390±15	g	
INTERFACE	Mini-LVDS		
OPERATING TEMP. RANGE	0 .. +40	°C	Note 1
STORAGE TEMPERATURE	-25 .. +50	°C	

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

OPTICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	TYP.	UNIT	NOTE
R	Reflectance	White	35	%	Note 1
CR	Contrast Ratio	-	15		-
Tupdate_RS	Update time at 25°C	Red -> Yellow	30	sec	Note 2
Tupdate_RS	Update time at 0°C	Red -> Yellow	40	sec	Note 2

Note 1: Luminance & Color meter: Eye – One Pro Spectrophotometer

Note 2: Pattern switch: Red -> Yellow; not include dwell time

HOW TO MAKE SPECTRA 3100 COLORS

