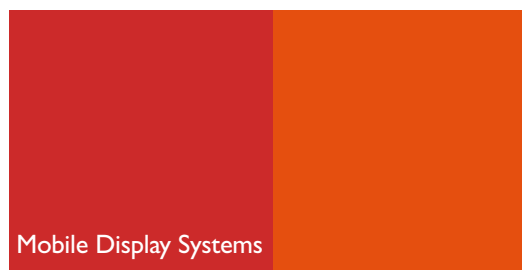
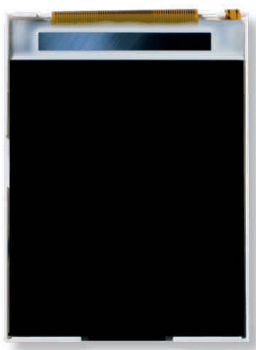


P2I260 I

1.77" CSTN, 128 x RGB x 160

VideoView Transmissive Display Module

This robust yet compact 128 x RGB x 160 CSTN display module combines superior colour saturation, high brightness and ultra fast switching. Advanced transmissive functionality brings vivid pictures and moving images at 25 fps to mobile applications. It also enables video on CSTN. The module includes an LCD panel, a COG driver IC, a peripheral circuit, and a backlight unit.



SPECIFICATIONS

Mechanical

Width	34.7 mm
Height	87.2 mm
Module Thickness	3.23 mm
Weight	7.3 grams
Active Area	28.02 x 35.03 mm
Dot Pitch	0.21 x 0.21 mm
Resolution	128 x RGB x 160
Pixel Configuration	RGB Vertical Stripe
Diagonal	1.77"

Electrical

Technology	CSTN passive LCD 65k; Negative Mode
Supply Voltage	Logic 1.65-3.3 V Analog 2.5-3.3 V
Power Consumption	Max. 2.00 mA (normal display mode)

Temperature Conditions

Operating	-20°C to +60°C
Storage	-30°C to +80°C

Interface

Customer Interface 8/16 bit parallel (8080)

Optical

Image Mode	Normally Black
Illumination Mode	Transmissive
Backlight	3 LEDs (white)
Viewing Direction	6 o'clock
Color	65k
Response Time	150ms (Ton + Toff)
Contrast Ratio	70:1
NTSC (u',v') (%)	50
Viewing Direction 180 degrees, CR >= 2	45°
Viewing Direction 0 degrees, CR >= 2	45°
Viewing Direction 90 degrees, CR >= 2	40°
Viewing Direction 270 degrees, CR >= 2	60°
Luminance (module)	200Cd/m2
Uniformity	1.3
BL Power Consumption	18mA (3 LED)

APPLICATION INFORMATION

- Entry level camera phone applications.

PRODUCT ADVANTAGES

- High color saturation and high contrast
- 65k colors
- Ultra fast switching time
- Robust module design
- Single- or dual-mode backlight

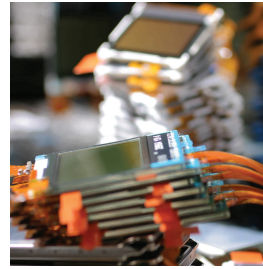
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P2I260I

1.77" CSTN, 128 x RGB x 160, VideoView Transmissive Display Module

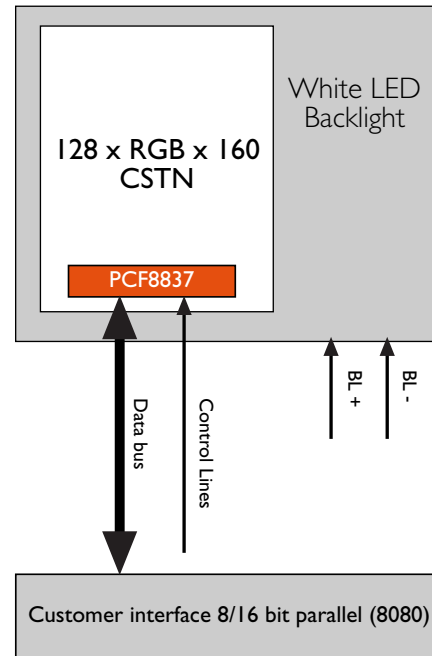
Pinning

PIN	SYMBOL	I/O	FUNCTION
1	NC0	-	-
2	NC1	-	-
3	NC2	-	-
4	NC3	-	-
5	MPU0	I	PS0=L 8bit PS0=H 16bit
6	CS1B	I	/CS
7	RESETB	I	/Res
8	RS	I	RS
9	WRD	I	/WR
10	RDB	I	/RD
11	D0	I/O	Data
12	D1	I/O	Data
13	D2	I/O	Data
14	D3	I/O	Data
15	D4	I/O	Data
16	D5	I/O	Data
17	D6	I/O	Data
18	D7	I/O	Data
19	D8	I/O	Data
20	D9	I/O	Data
21	D10	I/O	Data
22	D11	I/O	Data
23	D12	I/O	Data
24	D13	I/O	Data
25	D14	I/O	Data
26	D15	I/O	Data
27	VSS	I	GND
28	VDD	I	VDD
29	NC4	-	-
30	NC5	-	-
31	NC6	-	-
32	NC7	-	-
33	NC8	-	-



www.mds.philips.com

Block Diagram



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