



Parameter	Specification	Unit	Pin No.	Symbol	I/O	Description
LCD size	8.0 (Diagonal)	inch	1-2	LEDA	P	Power supply for LED anode input.
Resolution Ratio	800(H)×480(V)	pixels	3-4	LEDK	P	Power supply for LED cathode input.
Pixel Pitch	0.2208(H)×0.207(V)	mm	5	GND	P	Ground.
Active Area	176.64(H)×99.36(V)	mm	6	VCOM	P	Common voltage.
Module Size	192.8(W)×116.9(H)×6.4(D)	mm	7	VDD	P	Supply analog voltage.
Display Mode	Normally White, Transmissive		8	MODE	I	DE/SYNC mode select.
Interface	RGB 24-bit		9	DE	I	Data enable signal input.
Pixel arrangement	RGB-stripe		10	VSYNC	I	Vertical synchronizing signal input.
View Direction	12:00	O'clock	11	HSYNC	I	Horizontal synchronizing signal input.
Power Supply	3.3	V	12-19	B0-B7	I	Blue data input.
Power Consumption	2.6(Typ.)	W	20-27	G0-G7	I	Green data input.
Weight	200(Typ.)	g	28-35	R0-R7	I	Red data input.
Luminance	500(Typ.)	cd/m <sup>2</sup>	36	GND	P	Ground.
Driver IC	HX8264+HX8664		37	DCLK	I	Pixel clock input signal.
Operating Temperature	-20~+70	°C	38	GND	P	Ground.
Storage Temperature	-30~+80	°C	39	SHLR	I	Left/Right selection.
			40	UPDN	I	Up/Down selection.
			41	VGH	P	Gate on voltage.
			42	VGL	P	Gate off voltage.
			43	AVDD	P	Signal analog voltage.
			44	RESET	I	Reset signal input.
			45	NC	-	No connection.
			46	VCOM	P	Common voltage.
			47	DITHB	I	Dithering function.
			48	GND	P	Ground.
			49-50	NC	-	No connection.
Parameter	Symbol	Min.	Typ.	Max.	Unit	
Power Supply Voltage	VDD	3.0	3.3	3.6	V	
	AVDD	10.3	10.4	10.5	V	
	VGH	12.0	16.0	-	V	
	VGL	-	-7.0	-4.0	V	
	VCOM	4.2	4.4	4.6	V	
Input logic high voltage	VIH	0.7VDD	-	VDD	V	
Input logic low voltage	VIL	0	-	0.3VDD	V	
Parameter	Symbol	Min.	Typ.	Max.	Unit	
Forward Current Voltage	VF	8.4	9.4	10.5	V	
Forward Current	If	-	180	-	mA	
Backlight Power Consumption	Wbl	-	1.7	-	W	
LED Lifetime	-	30000	-	-	Hrs	