

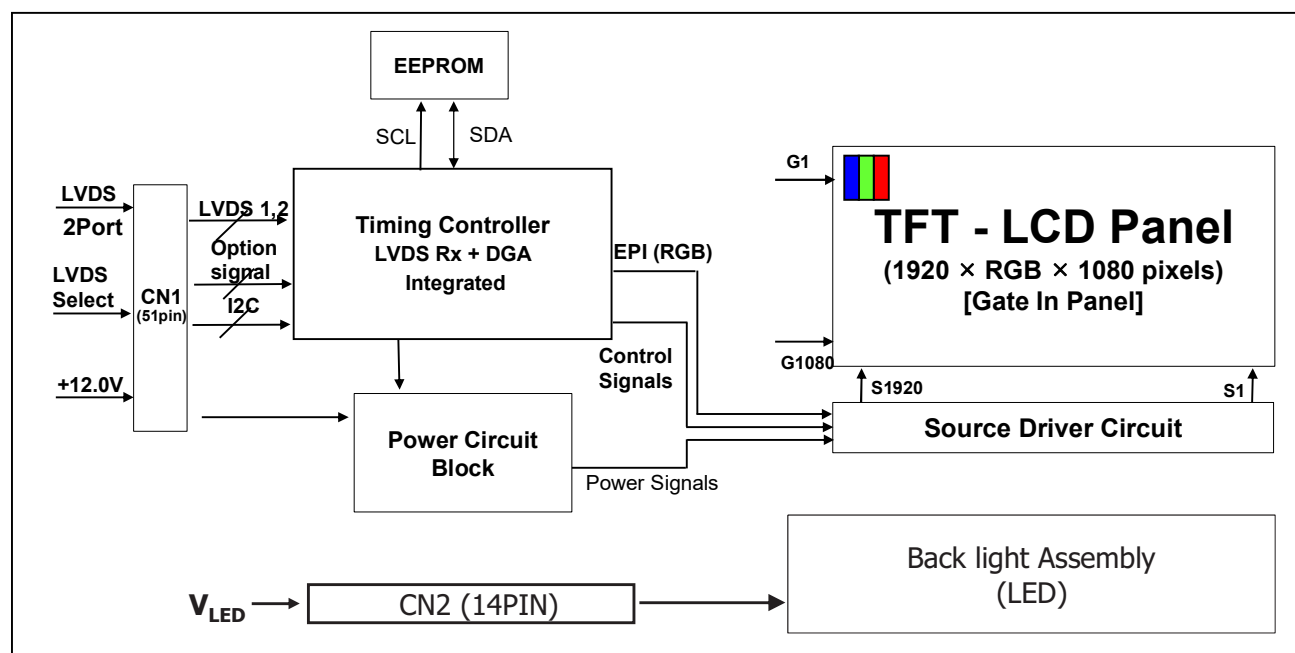
MAXEN ELECTRONICS LIMITED

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The MX320CD05-G15KD is a Color Active Matrix Liquid Crystal Display with an integral the Source PCB and Gate implanted on Panel (GIP). The matrix employs a-Si Thin Film Transistor as the active element. It is a transmissive type display operating in the normally black mode. It has a 31.55 inch diagonally measured active display area with WUXGA resolution (1080 vertical by 1920 horizontal pixel array). Each pixel is divided into Red, Green, Blue sub-pixels or dots which are arranged in vertical stripes. Gray scale or the luminance of the sub-pixel color is determined with a 8-bit gray scale signal for each dot. Therefore, it can present a palette of more than 16.7 Million colors.

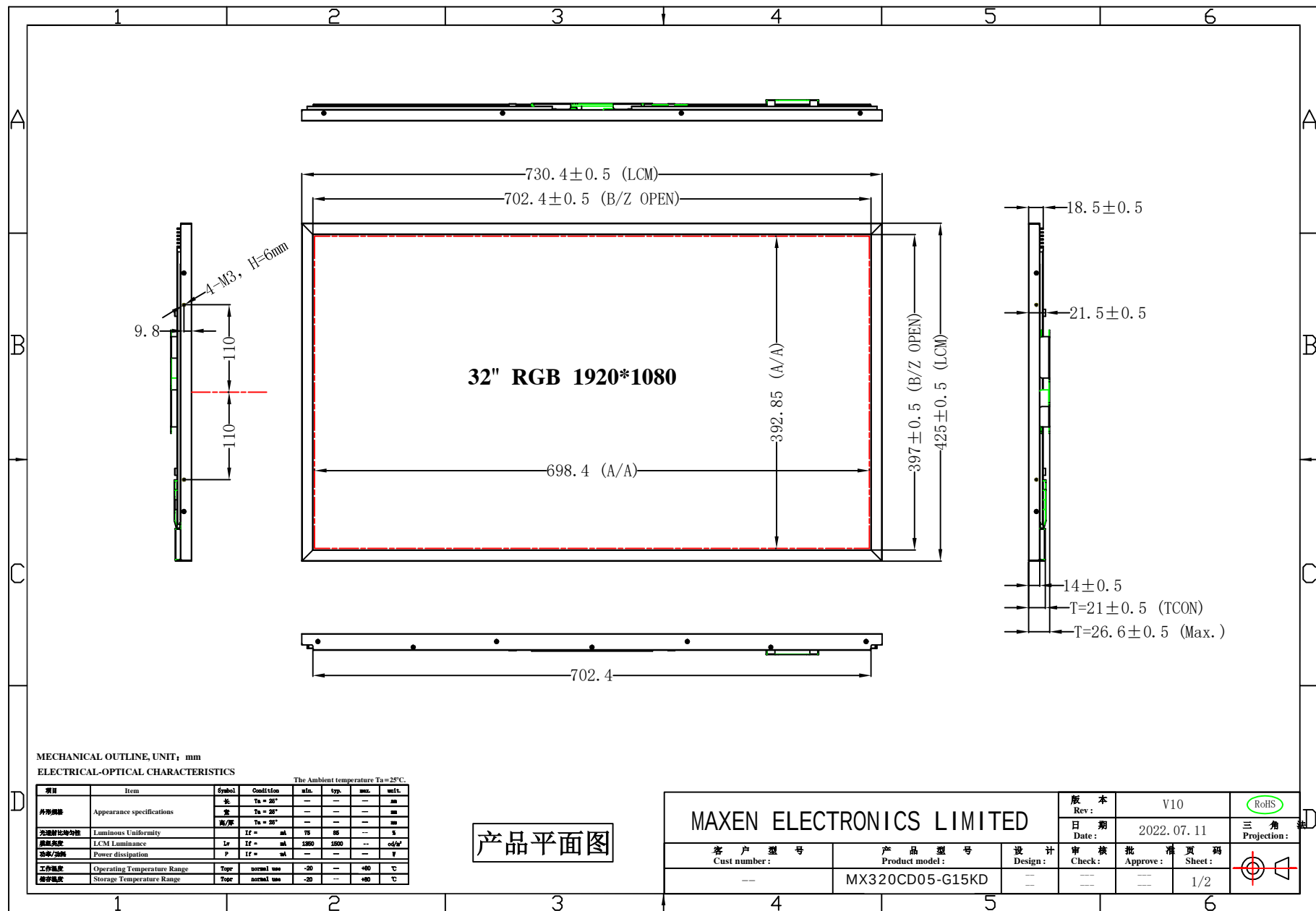
It has been designed to apply the 8-bit 2-port LVDS interface.

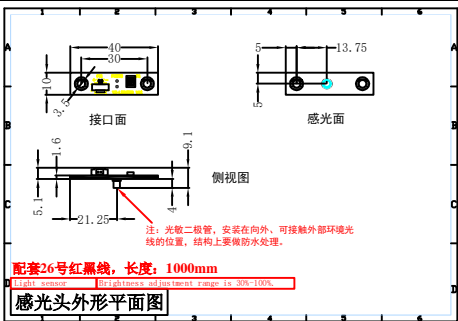
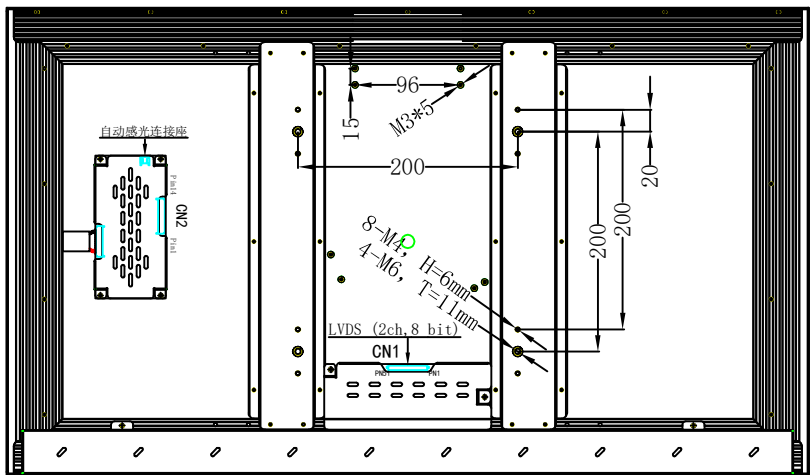
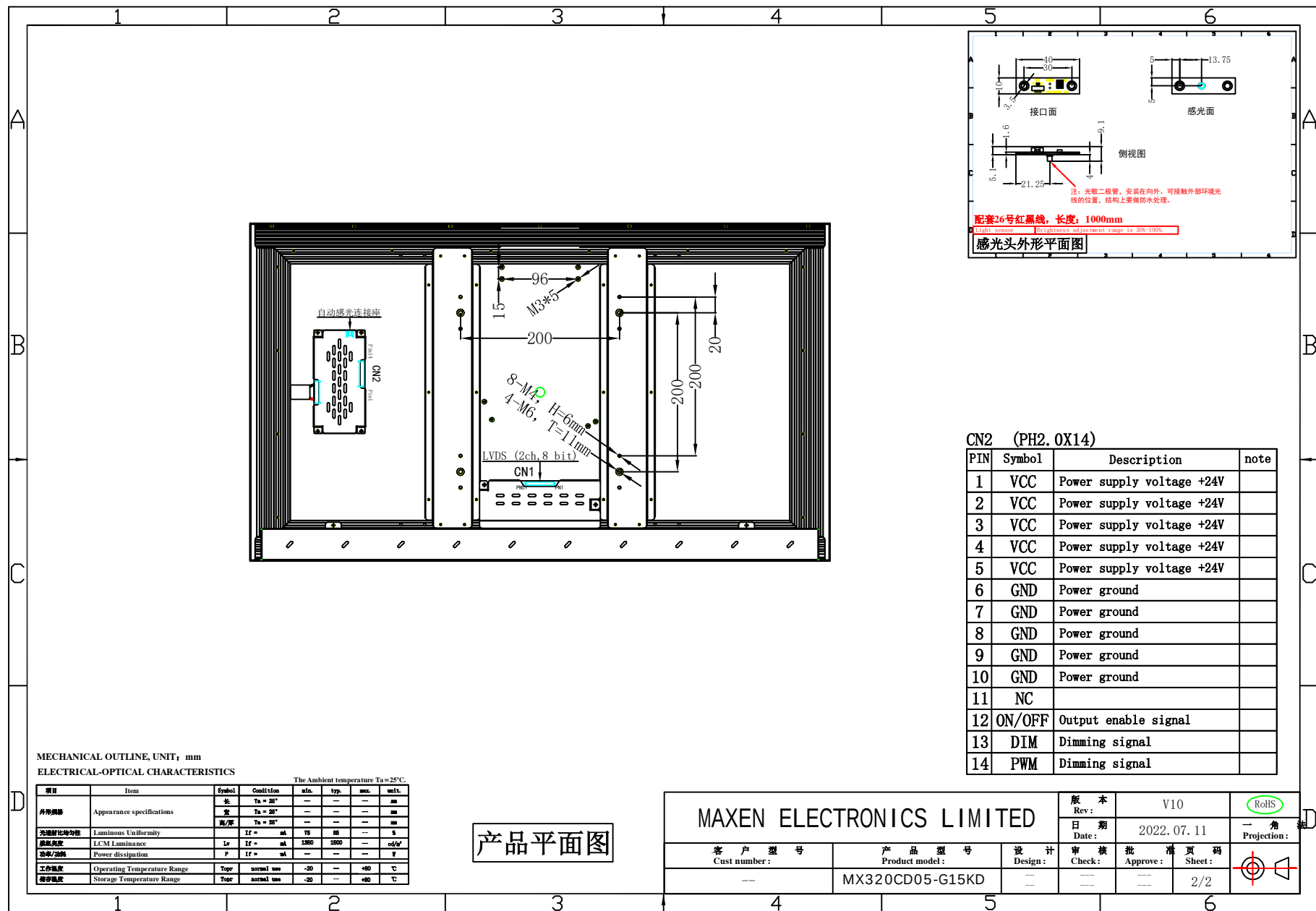
It is intended to support LCD TV, PCTV, Commercial Display where high brightness, super wide viewing angle, high color gamut, high color depth and fast response time are important.



General Features

Items	Specification	Unit	Note
Active Screen Size	32 (31.55)	inch	
Number of Pixels	1920 X 1080	Pixel	
Display Area	698.4 (H) x 392.85(V)	mm	
Pixel Pitch	0.36375 (H) x 0.36375 (V)	mm	
Bezel Opening	702.4(H) x 397.0(V)	mm	
Outline Dimension	730.4(H) x 425.0(V) x 18.5(D)	mm	
Display Colors	8-bit, 16.7 M colors	Colors	
Display Operation Mode	Normally Black		
Pixel Arrangement	RGB stripe arrangement		
Luminance, White	1500 (Center 1 point, Typ.)	cd/m ²	
Power Consumption	Total = 82.6 (Typ.)	W	LCD Open Cell = 4.6 W(Typ.) Backlight = 78.0 W(Typ.)
Surface Treatment	Hard coating(2H)		Haze 1%(Typ.)
Viewing Angle (CR>10)	+89/-89(H), +89/-89(V) Typ.		(CR ≥ 10)





CN2 (PH2.0X14)				
PIN	Symbol	Description	note	
1	VCC	Power supply voltage +24V		
2	VCC	Power supply voltage +24V		
3	VCC	Power supply voltage +24V		
4	VCC	Power supply voltage +24V		
5	VCC	Power supply voltage +24V		
6	GND	Power ground		
7	GND	Power ground		
8	GND	Power ground		
9	GND	Power ground		
10	GND	Power ground		
11	NC			
12	ON/OFF	Output enable signal		
13	DIM	Dimming signal		
14	PWM	Dimming signal		