

AD board

LCD controller board

We have been Novatek's LCD driver & scaler IC value-added distributor for decades. We are experienced in designing and developing both hardware and firmware of LCD controller boards for world 1st tier industrial PC manufacturers. Our LCD controller boards have been used in various applications such as Automation, Transportation, POS second display and Digital Signage.

Industrial display



Model	UL169	UL585V2	UL676H	UL370-A
Display				
Type	Dual Ch. LVDS TFT LCD			Quad Ch. LVDS or 4-Lanes eDP TFT LCD
Max. Resolution	1920 x 1080	1920 x 1080	1920 x 1200	2560 x 1600
I/O				
VGA Input	1 x 12pins Wafer	1 x DB-15 connector	1 x DB-15 connector	1 x DB-15 connector
DVI Input	1 x DVI connector (UL169C Only)	1 x DVI connector	1 x DVI connector	1 x DVI connector
HDMI Input	N/A	N/A	1 x HDMI Connector	1 x HDMI Connector
DP Input	N/A	N/A	N/A	1 x DP Connector
Panel output	Dual Ch. LVDS Output by 2 x 10pin Header Connector	Dual Ch. LVDS Output by 2 x 15Pin Wafer Connector	Dual Ch. LVDS Output by 2 x 15Pin Header Connector	Quad Ch. LVDS Output by 2 x17Pin Header and 4-Lanes eDP out by 2 x 15Pin Header
RS232	N/A			
Audio Input	1 x 3.5mm phone jack or 1 x 2.0mm 3pins wafer	N/A	1 x 3.5mm phone jack	
Audio Out	1 x 2.0mm 4pins wafer con.	N/A	1 x 3.5mm phone jack or 1 x 2.0mm 4pins wafer	
Control				
OSD	5 keys Keypad			
Backlight On/Off	F/W control			
Dimming	DC mode or PWM Mode		PWM Mode	DC mode or PWM Mode
Power				
Power In	12Vdc In by DC Jack or Wafer Connector	12Vdc~24Vdc Input by DC Jack or Wafer/Phoenix Connector	12Vdc In by DC Jack	12Vdc or 24Vdc Input, By DC Jack or 4pins Wafer Connector
Panel Power	Supports 3.3V, 5V & 12V Panel	Supports 3.3V & 5V Panel	Supports 3.3V, 5V & 12V Panel	Supports 5V & 12V Panel
Backlight Power	12Vdc Out			12Vdc or 24Vdc out as Power Input
Mechanical & Environment				
Dimension	108 x 51.6 mm	105 x 70 mm	139 x 58 mm	154 x 90 mm
Operating Temp	0℃~60℃	0℃~60℃	0℃~40℃	0℃~60℃
Others	5Vdc Output for Touch		-	5Vdc Output for Touch

4K2K Display



Model	UL370-B	UL3941
Display		
Type	Eight Ch. LVDS, 8-Lanes eDP or 8-Lanes Vx1 TFT LCD	8-Lanes eDP or 8-Lanes Vx1 TFT LCD
Max. Resolution	4K2K	4K2K
I/O		
VGA Input	1 x DB-15 connector	1 x DB-15 connector
DVI Input	1 x DVI connector	N/A
HDMI Input	1 x HDMI connector	3 x HDMI connector
DP Input	1 x DP connector	1 x DP connector
Panel output	Eight Ch. LVDS, 8-Lanes eDP or 8-Lanes Vx1 TFT LCD	8-Lanes eDP or 8-Lanes Vx1 TFT LCD
RS232	1 x 2.0mm 3pins wafer con.	1 x 4pins 2.0mm wafer connector.
Audio Input	N/A	1 x 3.5mm phone jack
Audio Output	Dual 8W by 4pins wafer connector	1 x 3.5mm phone jack or 1 x 2.0mm 4pins wafer
Control		
OSD	5keys Keypad	
Backlight On/Off	F/W control	
Dimming	DC mode or PWM Mode	
Power		
Power In	24Vdc Input, by DC Jack	
Panel Power	Supports 12V Panel	Supports 3.3V, 5V & 12V Panel
Backlight Power	24Vdc Out as power input	24Vdc Out by 12pins 2.0mm wafer connector
Mechanical & Environment		
Dimension	273 x 180 mm	200 x 115 mm
Operating Temp	0℃~60℃	0℃~40℃
Others	5Vdc Output for Touch	(1). 5Vdc Output for Touch, (2). Two windows PIP/PBP

Specifications subject to change without notice.