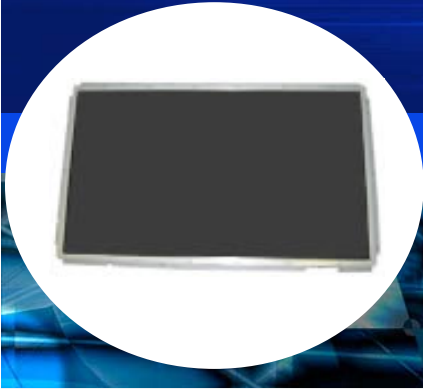




Solutions for Demanding Applications

42.0" Sunlight Readable VBOND WXGA Console LCD



VarTech Systems unique VBOND process seals either a top cover glass or touch screen directly to the face of the display bezel. This bonding process eliminates the air-gap between the display and the cover glass, vastly reducing reflective light, which causes visual washout of the display image. VBOND also enhances structural integrity by supporting the LCD assembly with the cover glass. The bond maintains perfect display uniformity while providing shock protection and elimination of fogging caused by trapped moisture accumulating in typical air gap assemblies.

SPECIFICATIONS

Display Size

42.0 Inch

Panel Type

TFT Active

Resolution Capabilities

1920X1080

Pixel Format

640x480, 800x600, 1024x768,
1280 x 1024, 1366x768, 1920x1080*

Pixel Pitch

.4845 mm (w) x .4845 mm (h)

Viewing Angle

Horizontal: 176°

Vertical: 176°

Active Display Area

36.62" (w) x 20.60"(h)
930.24 mm x 523.26 mm

Contrast Ratio

5000:1 Typical

Brightness

450 Nits (cd/m2)

Backlight

40,000 Hours Typical

Colors Supported

16.7 M color

Input Connectors

HDMI 1.3c x 2 /VGA

Video Input

0.7Vp-p / 75 ohm, Digital
NTSC/PAL

Sync

TTL Separate H&V

Power Source

100-240 VAC (50/60Hz) Universal

Power Consumption

Normal Operation ≤ 231 W (Max.)

Stand By ≤ 1 W

Temperature

Operating: 0° to 35°C (32°F to 95°F)

Storage: -20° to 60°C (-4°F to 140°F)

Humidity

Operating: 85%RH

Storage: 85%RH

Altitude

Operating: up to 10,000 ft.

Storage: up to 40,000 ft.

Response Time

6.5ms typical

Dimensions

1026.0 mm x 619.0 mm x 128.9mm

Weight

Net: 22.0kg/48.5lbs., Gross:

26.0kg/57.32lbs.

Standards

UL, CE, TUV, FCC Cert.

Warranty

1 year

FEATURES

- ◆ VBOND Enhanced Sunlight Readable LCD Screen
- ◆ Bright Active Matrix TFT Display
- ◆ HDTV (1920 x 1080) resolution
- ◆ Digital or Analog Interface
- ◆ Wide Viewing Angles
- ◆ 450 nits (cd/m2) Brightness
- ◆ Multiple Video Input Selections
- ◆ Aspect Ration: 16:9

CONTACT

HEADQUARTERS

11529 Sun Belt Ct.
Baton Rouge, Louisiana 70809

Phone 800.223.8050

International

001.225.298.0300

Fax 225.297.2440

E-mail

sales@vartechsystems.com

Website

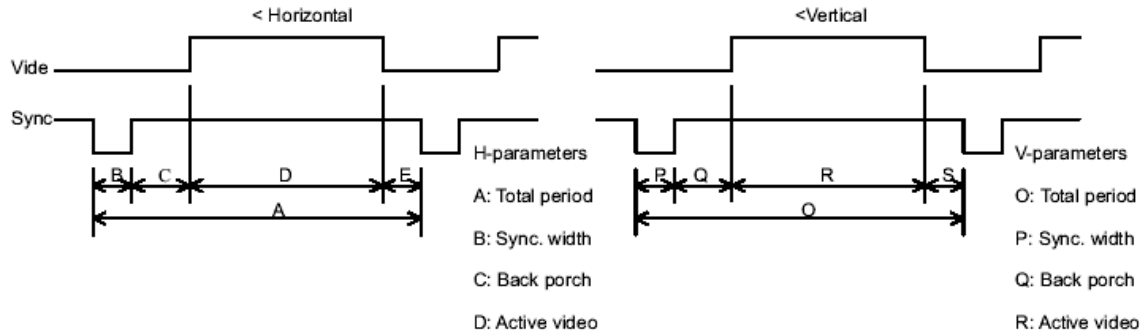
www.vartechsystems.com

OPTIONS

- 2 year warranty (1 year warranty comes standard)



COMPLIANT TIMING



Item	Video Mode		fH (kHz)	fV (Hz)	Dot clock (MHz)	Sync polarity		Horizontal (dot)					Vertical (line)					Analog	Digital (Optional)
						H	V	A	B	C	D	E	O	P	Q	R	S		
1	VESA	VGA 640x480	31.469	59.940	25.175	N	N	800	96	48	640	16	526	2	33	480	11	O	O
2			37.861	72.809	31.500	N	N	832	40	128	640	24	520	3	28	480	9	O	O
3			37.500	75.000	31.500	N	N	840	64	120	640	16	500	3	16	480	1	O	O
4		SVGA 800x600	35.156	56.250	36.000	P	P	1024	72	128	800	24	625	2	22	600	1	O	-
5			37.879	60.317	40.000	P	P	1056	128	88	800	40	628	4	23	600	1	O	O
6			48.077	72.188	50.000	P	P	1040	120	64	800	56	666	6	23	600	37	O	O
7			46.875	75.000	49.500	P	P	1056	80	160	800	16	625	3	21	600	1	O	O
8		XGA 1024x768	48.363	60.004	65.000	N	N	1344	136	160	1024	24	806	6	29	768	3	O	O
9			56.476	70.069	75.000	N	N	1328	136	144	1024	24	806	6	29	768	3	O	O
10			60.023	75.029	78.750	P	P	1312	96	176	1024	16	800	3	28	768	1	O	O
11	SXGA	1152x864	67.500	75.000	108.000	P	P	1600	128	256	1152	64	900	3	32	864	1	O	O
12		1280x1024	63.981	60.020	108.000	P	P	1688	112	248	1280	48	1066	3	38	1024	1	O	O
13			79.976	75.025	135.000	P	P	1688	144	248	1280	16	1066	3	38	1024	1	O	-
14	VGA TEXT	720x400	31.469	70.087	28.322	N	P	900	108	45	720	27	449	2	35	400	12	O	O
15	Macintosh	640x480	35.000	66.667	30.240	N	N	864	64	96	640	64	525	3	39	480	3	O	-
16		832x624	49.725	74.500	57.283	N	N	1152	64	224	832	32	667	3	39	624	1	O	-
17		1024x768	60.150	74.720	80.000	N	N	1330	96	168	1024	42	805	3	31	768	3	O	-

Item	Video Mode		fH (kHz)	fV (Hz)	Dot clock (MHz)
18	NTSC	NTSC 358-443	15.734	59.94	16.521
19	PAL	PAL SECAM	15.625	50.00	16.406