

BOE HV320FHB-F40 - Panelook specification summary (not the manufacturer datasheet)

Source: https://www.panelook.com/HV320FHB-F40_BOE_32.0_CELL_parameter_45646.html | captured 2026-10-31

BOE HV320FHB-F40 Application Features				
Basic Information :	Mfr.	Model No.	Panel Type	Alias
		HV320FHB-F40	a-Si TFT-LCD, CELL	-
Environment :	RoHS State	Operating Temperature	Storage Temperature	Vibration Level
		0 ~ 60 °C	-20 ~ 60 °C	-
Used For :				
Specific Features :	 			
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BOE HV320FHB-F40 Optical Features			
	Luminance (cd/m²)	Viewing Angle (L/R/U/D)	Response Time
Basic Information :	0	89/89/89/89 (Typ.)(CR≥10)	8 (Typ.)(G to G) ms
	View Direction	Display Mode	Contrast Ratio
	Symmetry	ADS, Normally Black, Transmissive	1200 : 1 (Typ.) (Transmissive)
Color Performance:	Color Temperature	Display Colors	White Coordinate
	8735K	16.7M (8-bit)	X:0.263; Y:0.365
	NTSC Ratio	sRGB	Adobe RGB
Color Gamut :	82% NTSC (CIE 1931)	100% coverage (CIE 1931)	83% coverage (CIE 1931)
	DCI-P3	Rec.2020	Low Blue Light
	84% coverage (CIE 1931)	61% coverage (CIE 1931)	-
Transmissivity :	5.0% (Typ.)(with Polarizer)		
Disclaimer : This was entered by panelook engineers based on the datasheet, but we cannot guarantee that the listed specifications are completely accurate.			
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BOE HV320FHB-F40 Mechanical Features				
Diagonal Size : 32.0"				
Pixel Features :	Dot Arrangement	Pixel Pitch (mm)	Dot Pitch (mm)	Number of Pixels
	RGB Vertical Stripe	0.36375×0.36375	0.12125×0.36375	1920(RGB)×1080 [FHD] [69PPI]
Mechanical Size :	Active Area (mm)	Bezel Area (mm)	Outline Dimension (mm)	Outline Depth (mm)
	698.4(H)×392.85(V)	-	708.4(H)×405.4(V)	1.36 (Typ.)
Outline Features :	Form Factor	Display Orientation	Aspect Ratio	Plate Thickness
	Flat Rectangle	Landscape type	16:9 (H:V)	0.50+0.50 mm
Other Detail :	Weight	Panel Cover	Surface Treatment	
	850g (Typ.)	-	Antiglare (Haze 1%), Hard coating (2H)	
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BOE HV320FHB-F40 Electronics Features	
Reverse Scan :	No
Vertical Frequency :	75Hz 
Driver IC :	COF Built-in 6 source chips
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BOE HV320FHB-F40 Backlight Features						
Lamp Features:	Type	Position	Quantity 	Shape	Life (hrs)	Lamp Exchange
	No B/L	-	-	-	-	-
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BOE HV320FHB-F40 Interface Features			
Voltage Supply		Current Supply	Power Consumption

Panel Driving Electrical :	12.0V (Typ.)		333/592mA (Typ./Max.)(60Hz)			4.0/7.6W (Typ./Max.)(60Hz)
Interface Features :	Position	Signal				Type
	-	LVDS (2 ch, 8-bit)				Connector
Connector Detail :	Brand	Model	Pin Pitch	Pins	Quantity	Pin Assignment 
	UJU	IS050-C51B-C39-S	0.5 mm	51 pins	1 pcs	-
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BOE HV320FHB-F40 Packing Features						
Package Type	Panel Qty	Qty of Min. Package	Dimension L×W×H	Weight	Volume	Remarks
EPO Box	17 pcs	1	860×560×123 mm	-	0.0592 m³	-
Pallet	272 pcs	16	-	-	-	-
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BOE HV320FHB-F40 Specification Source				
File Referenced :	File Number	Version	Language	Issue Date
	-	Rev.O	English	2020 - 2 - 26
Spec Latest Update : 2026-01-26 15:42				
Disclaimer : Inputted by panelook engineers according to datasheet, but we cannot guarantee the spec listed is entirely correct.				
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BOE HV320FHB-F40 Datasheets Download							
Datasheet	Version	Language	Issue Date	File Size	Pages	Latest	
 HV320FHB-F40 Datasheet	Rev.O	English	2020-2-26	1.5 M	36	Latest	 Paid Download
 HV320FHB-F40 Datasheet	Rev.P0	English	2019-10-8	1.6 M	36		 Free Download
 Upload, get 10~30 P-Coins per datasheet!							
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BOE HV320FHB-F40 Summary
<p>Panelook now have 2 datasheets of HV320FHB-F40 released by BOE Technology Group Co., Ltd. (hereafter called BOE). According to datasheet with version of Rev.O which was released out on 2 26 2020, HV320FHB-F40 supports display 1920(RGB)×1080 (FHD) with aspect ratio of 16:9 (W:H), whose pixels are arranged in RGB Vertical Stripe. As for mechanical detail, it features active area of 698.4(W)×392.85(H) mm, outline size of 708.4(W)×405.4(H)×1.36(D) mm, with surface treament of Antiglare (Haze 1%), Hard coating (2H), net weight of 850g (Typ.), utilizing 0.50+0.50 mm mm plate. As a ADS, Normally Black, Transmissive CELL product, HV320FHB-F40 can provides 1200:1 transimissive contrast ratio, 89/89/89/89 (Typ.)(CR≥10) (L/R/U/D) viewing angle, best view direction on Symmetry , and response time of 8 (Typ.)(G to G) ms. Gray scale or the brightness of the sub-pixel is determined with a 8-bit gray scale signal for each dot, thus presenting a palette of 16.7M colors, also with performance of color gamut 100% (sRGB). This product have no backlight. HV320FHB-F40 utilizes LVDS (2 ch, 8-bit) as it's signal inputting system, which connected by 51 pins Connector with power supply voltage of 12.0V (Typ.). It's typical vertical frame rate (Fv) is 75Hz. For more latest product detail of HV320FHB-F40 We strongly recommend that you should refer to datasheet listed on Panelook.com or contact with BOE or it's distributor. All specification details are inputted by Panelook engineers according to datasheet, but we cannot guarantee the spec listed is entirely correct.</p>