Samsung UD22B square display

Distinctive square-shaped video display that adds visual interest and showcases your business message



Highlights

- Capture customer attention with the world's first square LCD video display with super-narrow bezel
- Reduce operating expenses with Samsung Direct LED backlight technology
- Manage content over a single display or multiple displays through Smart Scheduling and RJ45 and RS-232C MDC (Multiple Display Control)
- Enhance the usability and manageability of the video display with optional wall mount kit, PC module and MagicInfo™ software

Generate customer interest with visually appealing video displays

To capture and maintain customer attention, retailers are relying more on digital displays to generate customer interest and to differentiate themselves from the competition.

The Samsung UD22B square display is designed especially for the retail and venue market. Its square shape and super-narrow bezel create a striking, artistic video wall that draws customer attention.

Design a dramatic video wall with the display's distinctive shape and slim bezel

Create a captivating video wall with the UD22B square ratio (1:1) screen. The shape of the display is ideal for interactive point-of-sale and advertising displays.

Super-narrow bezel-to-bezel measurements (5.5 mm or 0.22 in.) provide a near-seamless video wall. Plus, the digital loop out creates a single image across multiple displays (up to 100) without compromising picture quality.

Decrease operating expenses with Samsung Direct LED backlight technology

The UD22B features high-efficiency Samsung Direct LED backlight technology. LEDs in the UD22B are behind the display panel, and the light is emitted from the rear of the panel. The LED backlight unit (BLU) produces clear picture quality with high contrast levels for high-impact images. The UD22B generates less heat by centralizing the heat around the sides of the screen. Less heat generation equates to nominal operating costs because less energy is needed to cool the display.

Improve efficiency by scheduling and controlling content using a LAN

Use Smart Scheduling to control the video wall content at all times. You can program up to three day and time calendars for when content is to be displayed. Smart Scheduling also includes a holiday management option to schedule your content appropriately.

Use the upgraded Multi Display Control solution to control multiple remote monitors through the embedded RS-232 and RJ45 interfaces. The Multi Display Control feature allows you to direct monitors over long and short distances with remote technology. You can also control your content over a LAN or WAN.

Control when your business content displays with Smart Scheduling.

Increase display functionality and manage-ability with powerful optional features

The UD22B offers optional features to provide even greater usability:

- **Wall mount kit**. Create video wall arrangements using the push and pull kit.
- **Setback Box-A PC module (SBB-A)**. Increase PC functionality with plug-and-play capabilities between a PC and a display.
- **MagicInfo™ video wall software**. Create content and provide ultra definition quality on up to 250 displays.

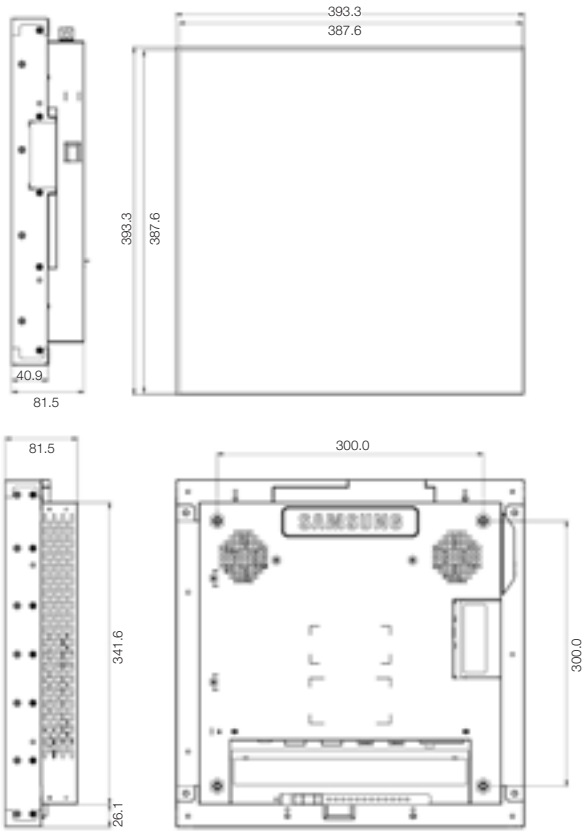


Figure 1. Samsung UD22B schematic

Specifications

Model		UD22B
Panel	Diagonal size	21.6 in.
	Type	S-PVA
	Light source	LED
	Resolution	960 x 960 (1:1)
	Pixel pitch (H x W)	0.13mm x 0.13mm
	Active display area (H x W)	387.36 mm x 387.36 mm (15.25 in. x 15.25 in.)
	Brightness (Typ.)	450 cd/m²
	Contrast ratio	4,000:1
	Viewing angle (H/V)	178/178
	Response time (G-to-G)	8 ms
	Display color	8 bit - 16.7 M
	Color gamut	72%

Specifications, continued

Model			UD22B
Display	Dynamic C/R		9,000:1
	H-scanning frequency		30 kHz - 81 kHz
	V-scanning frequency		48 Hz - 75 Hz
	Maximum pixel frequency		148 MHz
Connectivity (TBD)	Input	RGB	DVI-D, DP
		Video	HDMI
		Audio	Stereo mini-jack
	Output	RGB	DVI-D (loop-out)
		Video	–
		Audio	Stereo mini-jack
		Power out	–
	External control		RJ45 (in), RS-232C (out)
	External sensor		Attached
Power	Type		Internal
	Power supply		AC 100 - 240 V (+/- 10%), 50/60 Hz
	Power consumption	Max (W/h)	TBD
		Sleep mode	Less than 1 W
Mechanical	Dimension		393.3mm x 393.3mm x 81.5mm
	Weight		6.5kg
	VESA mount		300 mm x 300 mm (11.8 in. x 11.8 in.)
	Protection glass		–
	Stand type		–
	Media play option type		SBB-A
	Bezel width		1.8 mm x 3.7 mm (0.071 in. x 0.15 in.)
Operation	Operating temperature		0°C (32°F) - 40°C (104°F)
	Humidity		10 - 80%
Features	Key		Square type SNB
	Special		Square ratio, super narrow bezel, SBB-A, digital daisy chains, lamp error detection, anti-image retention, RS-232C/RJ45 MDC, video wall (up to 10 x 10), button lock and Smart Scheduling

Legal and additional information

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For more information

For more information about UD22B square displays, visit www.samsunglfd.com.

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