

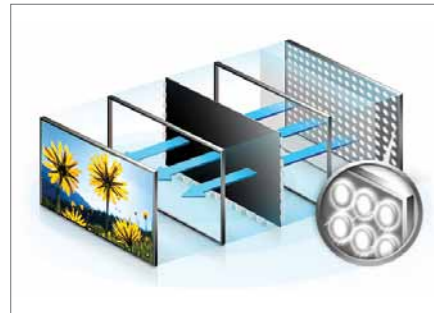
# UD Series

More image and less bezel for maximum impact



The Samsung UD Series is a spectacular, striking LFD display. It can be used to form wall panels that will transform your business site. At just 5.5mm (bezel to bezel), it has the slimmest bezel of all LFDs, giving your audience a truly unique and immersive visual experience. The UD Series uses direct LED technology to give you superior high definition quality, optimising the impact of images and messages on your customers.

## UD Series Features



### Direct-Lit LED Technology

At Samsung, you get cost-effective display solutions with Direct-lit technology. The LED are situated behind the panel and the light is emitted from the rear. It is easy to fit and bright colour uniformity means that you can enjoy the same innovative LED technology.



### Professional Solution For Video Wall

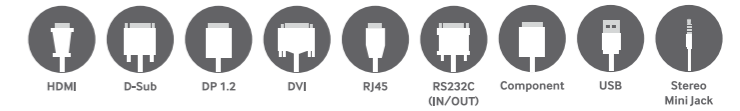
Samsung is changing the look, cost, and longevity of video display walls with patented technology. With a super narrow bezel-bezel of just 5.5mm (bezel-to-bezel), focus will now be on images rather than the frame. The UD Series removes any distraction from your side to provide a greater surface area, which can be useful when creating a video wall.



### High Brightness

The UD Series has a super-bright display of 700 nits for a more vivid viewing experience. Its vibrant, life-like images are easy to read and it also has a glare-proof surface to eliminate compromised viewing.

Connections at a glance



## UD Series Specifications

Model		UD22B	UD46C	UD55C	UD46C-B	
Panel	Diagonal Size	21.6"	46"	55"	46"	
	Type	S-PVA (DID)	D-LED DID			
	Resolution	960 x 960 (1:1 Aspect Ratio)	1,920 x 1,080			
	Pixel Pitch (mm)	0.13 (H) x 0.13 (V)	21.4 (L/R), 28.5 (T/B)	20.5 (Bottom 24.7)	20.5 (Bottom 24.7)	
	Active Display Area (mm)	387.36 x 387.36	1,018.08 mm x 572.67 mm	1,209.6 mm x 680.4 mm	1,018.08 mm x 572.67 mm	
	Brightness (Typ.)	450 cd/m <sup>2</sup>	700 cd/m <sup>2</sup>		450 cd/m <sup>2</sup>	
	Contrast Ratio	4,000:1	3,500:1			
	Viewing Angle (H/V)	178:178				
	Response Time (G-to-G)	8 ms			6.5 ms	
	Display Colours	16.7 M				
	Colour Gamut	72%	69%		68%	
	Display	Dynamic C/R	9,000:1	10,000:1		3,500:1
H-Scanning Frequency		30 ~ 81KHz				
V-Scanning Frequency		56Hz ~ 85Hz	48 ~ 75Hz		56Hz ~ 85Hz	
Maximum Pixel Frequency		148.5MHz				
Connectivity	Input	RGB	DVI-D, Display Port 1.2		Analogue D-SUB, DVI-D, Display Port 1.2	
		Video	HDMI			HDMI1, HDMI2, Component (CVBS Common)
		Audio	N/A			Stereo mini jack
	Output	RGB	DVI-D (Loop-out)		DP 1.2 (loop-out)	DVI-D (loop-out)
		Video	N/A			
		Audio	Stereo Mini Jack			
Power Out	N/A					
External Control	RS-232C (in and out), RJ45					
External Sensor	Attached	Detachable type (IR, Ambient)				
Power	Type	Internal				
	Power supply	AC 100 - 240 V - (+/- 10%), 50/60 Hz				
	Power consumption	Max (W/h)	71.50	165	220	130
		Typical (W/h)	67	87	110	113
		BTU (Max)	243.815	563	750	443.3
		Sleep Mode	Less than 0.5 W			
Off Mode		Less than 0.5 W				
Mechanical	Dimension (mm)	W393.3 x H393.3 x D81.5	W1023.8 x H578.4 x D96	W1215.3 x H686.1 x D96	W1023.7 x H578.3 x D95.5	
	Weight (kg)	6.5	18	24	18.2	
	VESA Mount (mm)	300x300		600 x 400		
	Protection Glass	N/A				
	Touch Overlay	N/A				
	Bezel width	3.7 (U/L), 1.8 (R/B)	3.7 (U/L), 1.8 (R/B)		3.7 (U/L), 1.8 (R/B)	3.5 (U/L), 2.0 (R/B)
Feature	Embedded Media Player	N/A	Samsung SMART Signage Platform with 4GB storage (for full system on chip specifications, see page 6)		N/A	