



Narrow Bezel Digital Information Display

40' PD40N1 46' PD46N1

Narrow Bezel DID Tiling Technology
Needing no single controller to tile units

Specifications for units of Narrow Bezel Tiled DID

- Needing no single controller to tile units
- The narrowest bezel up to now---- only 12.5mm
- Full high definition display ----1080p
- Special module design for both single and tiled use
- Adoption of Samsung DID panel--- long lifetime, high reliability, specialized in display



The units can be tiled in flexible ways: Landscape or Portrait; 1*1.....M*N



Features for Narrow Bezel Tiled DID

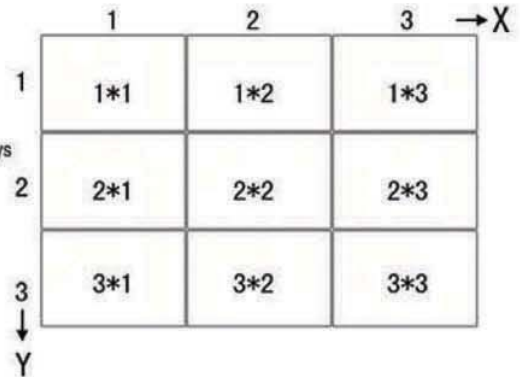
Needing no single controller to tile units

1. All units in the tiled DID are controlled by software

Ex ▶ 3*3 tiling



Setting the number of landscape displays
 Setting the number of portrait displays
 Setting the abscissa of one unit
 Setting the ordinate of the unit



The narrowest bezel

Special technique of Samsung---- only 12.5mm/set



DID Tiled Display



Conventional Tiled Display

Application in both indoor & outdoor environments

With unique technique of Samsung, boasting high luminance of 700cd/m²; high contrast ratio of 1200:1; proper color temp of 10000k, ensuring perfect showing even under sunshine.



Special tiling technique esp. for HD showing in full screen

The resolution of each unit is 1366 * 768, and with special tiling technique, the display of the whole screen boasts 1080p HD showing.



DID Tiled Display



Conventional Tiled Display

Features for Narrow Bezel Tiled DID

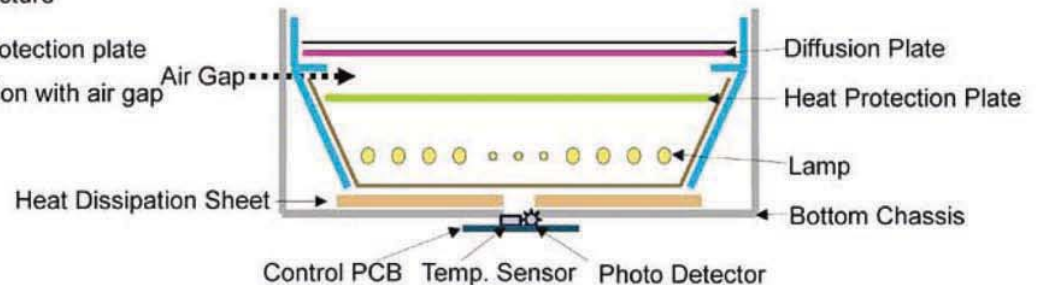
Tiled Display adopts Samsung unique DID panels, boasting special display and module structure which are

different from conventional LCD.

a> Unique SPVA technology

b> Special module structure

- 1) Adoption of heat protection plate & Improving ventilation with air gap
- 2) Adoption of Tni



C> Long-term warranty

DID (20h/day; 24 months) Vs Conventional LCD (6h/day; 12 months)



Common LCD Display



DID Display

Tiled DID adopts special structure design which makes installation and tiling quite flexible and ensures both tiling use and single unit use.

Powerful interface supporting: VGA (PC), YPbPr (HD Signal), CVBS (Optional), S-Video (Optional), HDMI (Optional), TV Tuner (Optional).

Special design for super slim machine --- only 100mm/set

Long Lifetime; High Reliability; Free from sticking image and burn-in; No expendable; Low maintaining fee.

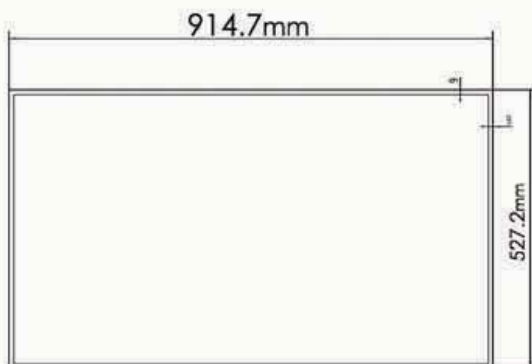
Adopting the most reliable technology in Liquid Crystal Display

Boasting a long lifetime over 50000 hours

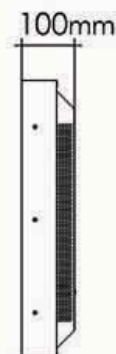
Unlike PDP, DID is still free from burn-in even after working over 20 hours a day

Specifications of Narrow Bezel Tiled DID Display

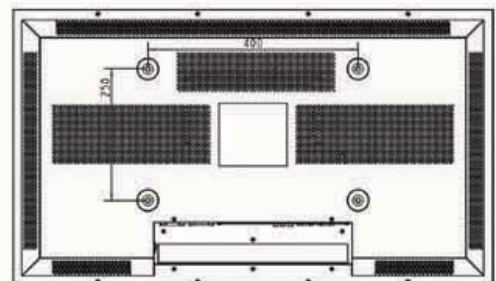
Model	PD40N1 (SAMSUNG DID TFT-LCD PANEL,MODEL No: LTI400WT-L01)	
Screen Size(Active Area)	40inch	
Aspect ratio	16 : 9	
Number of Pixels	1366(H) x 768(V)	
Pixel Pitch(H x V) mm	0.648(H) x 0.648(V)	
Response Time	8ms	
Displayable Colors	8 BIT,16.7M	
Brightness	700cd/m ²	
Contrast Ratio	1200:1	
Color temperature	10000K	
Viewing Angle (H/V)	178/178 degrees	
Active Display Area	885.168(H) x 497.664(V)	
Power Supply	AC 100V ~ 240V,50/60Hz,Universal,±10%	
Power Consumption	250W typical,normal operation	
Power Management	VESA DPMS	
Backlight life	50000 hour	
Recommended Resolution	1366 x 768	
(PC) Input	D-Sub 15-pin x1	RGB:0.7V[p-p](75Ω), H/CS/V:TTL (2.2 kΩ), SOG:1V[p-p](75Ω)
	RGB	
	Yuv	Up to 1920 x 1080 / 75 Hz
YUV	Ypbpr	
Protection Glass	Anti Glare	Reflection Rate ≤0.5%
Temperature	Operational	0~50℃
	Storage	-20~70℃
Humidity	Operational	20~80%
	Storage	20~80%
Pressure	Operational	800~1114 hPa (Altitude:0~2,000m)
	Storage	600~1114 hPa (Altitude:0~4,500m)
Standard Accessories	VGA Cable,YUV Cable,User's Manual,Power, Cable	
Optional Accessories	Wall-Mount or Ceiling-Mount Bracket	



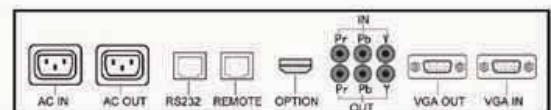
Front



Side



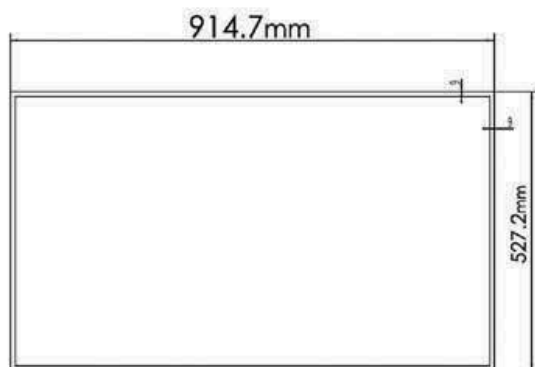
Back



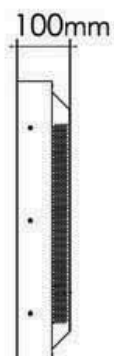
Interface

Specifications of Narrow Bezel Tiled DID Display

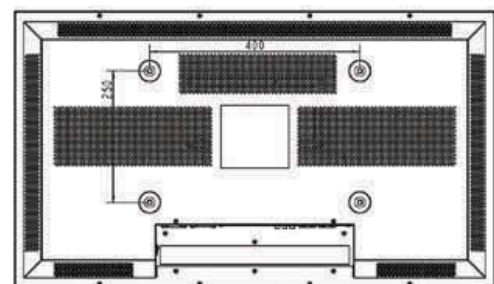
Model	PD46N1 (SAMSUNG DID TFT-LCD PANEL,MODEL No: LTI460WT-L01)	
Screen Size(Active Area)	46inch	
Aspect ratio	16 : 9	
Number of Pixels	1366(H) x 768(V)	
Pixel Pitch(H x V) mm	0.7455(H) x 0.7455(V)	
Response Time	8ms	
Displayable Colors	8 BIT,16.7M	
Brightness	700cd/m ²	
Contrast Ratio	1200:1	
Color temperature	10000K	
Viewing Angle (H/V)	178/178 degrees	
Active Display Area	1018.353(H) x 572.544(V)	
Power Supply	AC 100V ~ 240V,50/60Hz,Universal,±10%	
Power Consumption	300W typical,normal operation	
Power Management	VESA DPMS	
Backlight life	50000 hour	
Recommended Resolution	1366 x 768	
(PC) Input	D-Sub 15-pin x1	RGB:0.7V[p-p](75Ω), H/CS/V:TTL (2.2 kΩ), SOG:1V[p-p](75Ω)
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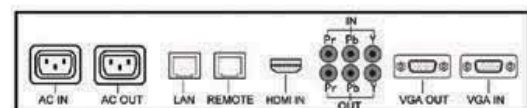
Front



Side

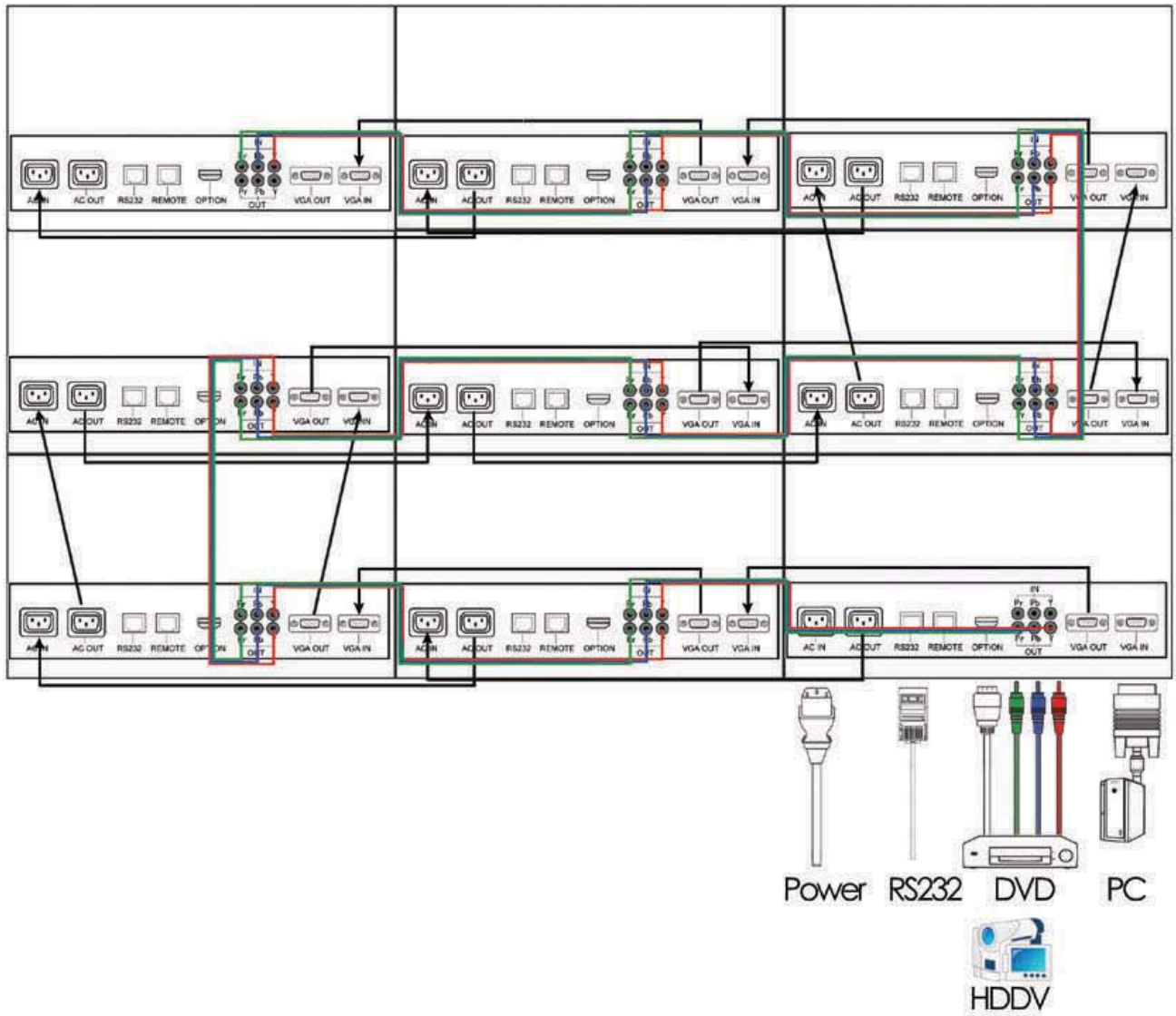


Back



Interface

Connections of Narrow Bezel Tiled DID Display



Cases of Narrow Bezel Tiled DID Display



Applications of Narrow Bezel Tiled DID Display

- Power Dispatching Center
- Military Headquarters
- Municipal Emergency Headquarters
- Transportation Headquarters
- Industrial Flow Display System
- Radio and TV Broadcasting Display and Monitor System
- Supermarket, Hotel and Communication Information Display System
- Financial and Stock Information Display System
- Government Departments and Enterprises Multi-media Video Meeting Display System
- Security Monitor System for Mining
- Municipal Environmental Monitor System
- Fire Protection, Weather Bureau, and Maritime Flood Prevention Command Chains
- Flight Information, Subway, Luggage and Security Monitor System
- Brand Image Display System
- Vocal Concert
- Rental Company for Display

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