LCD Super Narrow Bezel Monitors for Video Walls

With one of the thinnest profiles available, super narrow bezel monitors for video walls are THE choice for all installations where size is a premium.

Designed for high-end video wall applications, the new monitors combine a super narrow bezel design and bright Full-HD resolution for an outstanding visual experience.

To minimize installation time, power supply and video card are integrated. A special design of the back cover eases cable routing in both vertical and horizontal directions.

The integrated video card for video wall applications supports daisy chain wiring for DVI video signals and RS232 control commands. Video wall functions like bezel compensation to adjust the video signals for a natural image representation and tiling for a flexible matrix configuration are available.

A secured handling during transport and installation is guaranteed by transport lock. The design integrates four solid grips at the back side, one at each corner.

- Full-HD resolution
- LED backlight
- Super narrow bezel with only 5.7 mm gap between two adjacent monitors
- Power supply and video card integrated
- Special video wall graphic controller
- Daisy chain wiring for DVI video signals and RS232 control commands
- Designed for 24/7 operation
- Solid grips for easy handling
- Standard VESA mount 400 x 400 mm/ 500 x 380 mm
- IR remote control
- Support in implementing your custom solution

simply integrate

VGA
DVI
HDMI

Super Narrow Bezel Monitors for video walls

Monitor		No.: DS-91-303 46"	No.: DS-91-235 55"
Diagonal	[mm] / [Inch]	1168.4 / 46	1397.0 / 55
Type		Exclusive Digital Information Display (EDID) LCD	
Active area	[mm]	1018.08 x 572.67	1209.60 x 680.40
Resolution	[pixel]	1920 x 1080 (16:9)	1920 x 1080 (16:9)
Number of colors	[millions]	16.7	16.7
Luminance (center)	[cd/m²]	700	700
Contrast ratio		3000:1	4000:1
Back light		direct LED (640ea)	direct LED (950 ea)
Viewing angle	[°]	178 h / 178 v	178 h / 178 v
Response time (on/off)	[ms Tg]	8	10
Pixel class		ISO 9241-307 (pixel error class II)	
Life time back light[1]	[h]	50.000	50.000
Resolution		max. WUXGA (1920 x 1200) at 60 Hz, SXGA (1280 x 1024) at 75 Hz	
Input sources		1 x HDMI (HDCP); 1 x DVI-D (HDCP); 1 x RGB; 1 x RS232 (control commands); 1 x OSD 7 button	
Output		1 x DVI-D (daisy chain); 1 x RGB (daisy chain); 1 x RS 232 (daisy chain incl. remote control)	
Video wall functions		Bezel correction; daisy chain cable routing; free matrix configuration (tiling); max 254 monitors	
Other functions		OSD Languages Englisch, German, Spanish, Portuguese, French, Italien; Adjustment of brightness, contrast, color, sharpness, color temperature and aspect ratio; PIP; clock, ON-timer, OFF-timer; screen saver; remote control	
Mounting	[mm]	VESA MIS-F 400 x 400 (M6); 500 x 380 (M8)	
Operating temperature	[°C] / [°F]	10° ~ 40° / 50° ~ 104°	
Storage temperature	[°C] / [°F]	-20° ~ 60° / -4° ~ 140°	
Operating humidity	[%]	10 ~ 80 (non condensing)	
Panel orientation		Landscape and portrait	
Location of connectors		Landscape: right side (front view) Portrait: on the bottom (front view)	
Location of OSD buttons		Landscape: right side (front view) Portrait: on the bottom (front view)	
Housing		Sheet steel, powder coated, black, RAL 9005	
Power supply	[V] / [Hz]	AC 100 ~ 240 / 50 ~ 60	
Dimensions (W x H x D)	[mm] [Inch]	1024.0 x 578.6 x 90.5 40.31 x 22.78 x 3.56	1215.4 x 686.3 x 97.5 47.85 x 27.02 x 3.84
Gap between two adjacent monitors	[mm] [Inch]	5.72 0.23	
Weight	[kg] [lb]	23 50.70	30 66.14
Power consumption	[Watts]	100% brightness: 120	100% brightness: 165
Certification		CE, FCC Class A, EU-RoHS	

[1] Life time of the backlight is defined as the time to take until the brightness reduces to 50% of its original value

All figures are typical values. The real values of the panel may vary. The optical characteristics are determined after the panel has been „ON" for approximately 30 minutes at an ambient temperature of 25° C (77° F).
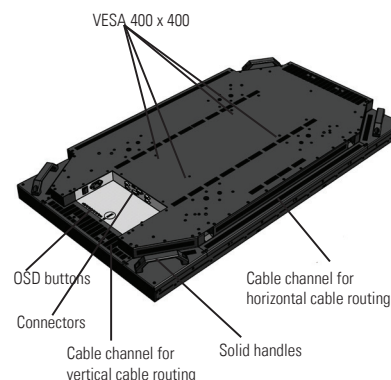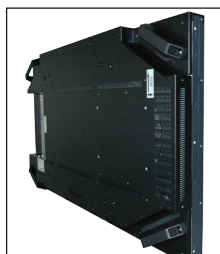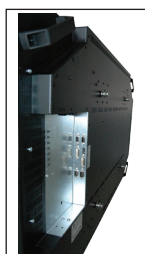
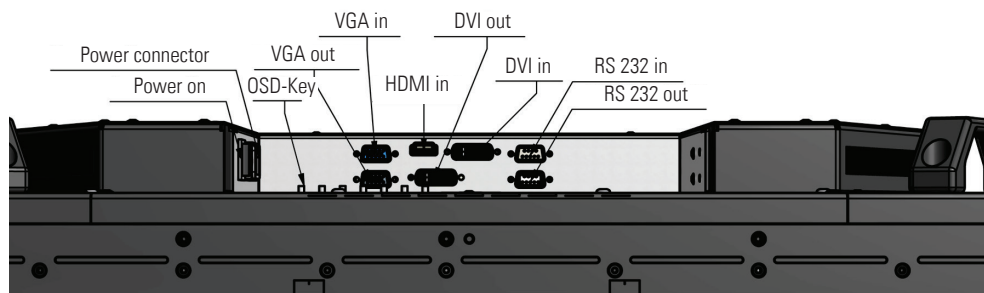**MOUNT**

Asseccories for Super Narrow Bezel Monitors

Order number	Product
DS-91-373	46" mounting rail kit for video wall monitors DS-91-303 (one kit per device)
DS-91-650	55" mounting rail kit for video wall monitors DS-91-235 (one kit per device)

simply integrate

INTERFACES

Super Narrow Bezel Monitors

VGA in   DVI out
Power connector   VGA out   DVI in   RS 232 in
Power on   OSD-Key   HDMI in   DVI in   RS 232 out

VESA 400 x 400

OSD buttons
Connectors
Cable channel for
vertical cable routing
Solid handles
Cable channel for
horizontal cable routing

CONTACTS

Data Display Group supports you with sales offices in following countries. Please contact your nearest sales representative.

Germany
Distec GmbH
Lauchergasse 6-12
99817 Eisenach

Phone: +49 36 91 /88 93 98-0
Fax: +49 36 91 /88 93 98-30

E-Mail: info@datadisplay-group.com
Internet: www.datadisplay-group.com

Great Britain and Benelux
Display Technology Ltd.
5 The Oaks Business Village
Revenge Road, Lordswood
Chatham, Kent, ME5 8LF
Great Britain
Phone: +44 16 34 / 67 27 55
Fax: +44 16 34 / 67 27 54
E-Mail: info@displaytechnology.co.uk
Internet: www.datadisplay-group.co.uk

Sales Partner of Data Display Group
Italy
REM Italy s.a.s.
di Michiletto Flavio & Co.
Via Obbia Bassa, 10
35010 Trebaseleghe (PD)

Phone: +39 3 35/ 5 21 37 89

E-Mail: info@remitaly.com
Internet: www.remitaly.com

Americas
Apollo Display Technologies, Corp.
87 Raynor Avenue, Unit 1
Ronkonkoma, NY 11779
United States of America
Phone: +1 6 31 / 580-43 60
Fax: +1 6 31 / 580-43 70

E-Mail: info@apollodisplays..com
Internet: www.apollodisplays.com

Turkey
DATA DISPLAY BİLİŞİM TEKNOLOJİLERİ
İÇ VE DIŞ TİCARET LİMİTED ŞİRKETİ
Barbaros Mh Ak Zamabak Sk A Blok
D:143 Ataşehir/İstanbul Turkey
Phone: +90 2 16 / 6 88 04 68
Fax: +90 2 16 / 6 88 04 69

E-Mail: info@data-display.com.tr
Internet: www.data-display.com.tr

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