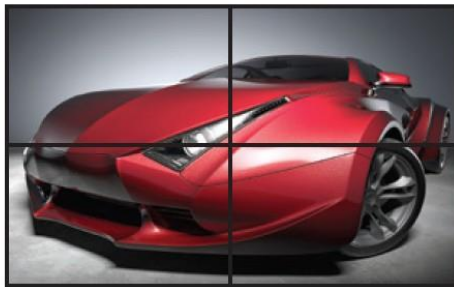


VESTEL VISUAL SOLUTIONS VIDEOWALL



Video Wall Series

UNB Series



Active to Active

3.8mm

Bezel to Bezel

3.5mm

2.25mm(Left/Top) / 1.25mm(Right/Bottom)

eXNB Series



Active to Active

1.8mm

Bezel to Bezel

1.5mm

0,97mm(Left/Top) / 0,53mm(Right/Bottom)

Video Wall Series

UNB Series



VW49U451



VW55U501



VW55U701

eXNB Series



VW55X501



VW55X701

Ports Solutions



HDMI
Up to 3



Display
Port



VGA



DVI



USB
2.0, 3.0



Audio
Out



RJ45



RS-232



Internal
USB



YPbPr



Audio In



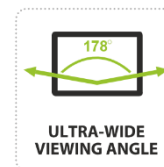
IR
Extender

VESTEL
VW Series
Video Wall

VW Series Specifications


HDMI™


Panel Features					
	49" (450 Nits 3.8 mm)	55" (500 Nits 1.8 mm)	55" (700 Nits 1.8 mm)	55" (500Nits 3.8 mm)	55" (700Nits 3.8 mm)
Backlight Type	DLED	DLED	DLED	DLED	DLED
Panel Technology	IPS	IPS	IPS	IPS	IPS
Panel Type	24/7 DID Panel	24/7 DID Panel	24/7 DID Panel	24/7 DID Panel	24/7 DID Panel
Front Type	Ultra narrow bezel	Extra narrow bezel	Extra narrow bezel	Ultra narrow bezel	Ultra narrow bezel
Orientation	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical	Horizontal / Vertical
Resolution	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
Brightness	450 cd/m2	500 cd/m2	700 cd/m2	500 cd/m2	700 cd/m2
Contrast Ratio	1300 : 1	1400 : 1	1400 : 1	1400 : 1	1400 : 1
Dynamic Contrast Ratio	360000 : 1	400000 : 1	560000:1	400000 : 1	560000:1
Panel life time (Typ.)(LED Life Time)	60000hrs	60000hrs	60000hrs	60000hrs	60000hrs
Panel life time (Min.) (LED Life Time)	50000hrs	50000hrs	50000hrs	50000hrs	50000hrs
Viewing Angle	178°	178°	178°	178°	178°
Areas of Usage	Indoor	Indoor	Indoor	Indoor	Indoor
Mechanical Features					
Size	1077.6 (L) × 607.8 (H) × 94.2 mm (D)	1211.4 (L) × 682.2 (H) × 53.3(D)	1211.4 (L) × 682.2 (H) × 53.3(D)	1213.4(H) × 684.2(V) × 97.6mm(D)	1213.4(H) × 684.2(V) × 97.6mm(D)
Shipping Size (1 Unit)	1196 (H) × 729 (V) × 209 (D)	1359(H) × 804(V) × 209(D)	1359(H) × 804(V) × 209(D)	1359(H) × 804(V) × 209(D)	1359(H) × 804(V) × 209(D)
Panel Weights	27.5 kg	29.4 kg	30.3 kg	30.1 kg	29.5 kg
Shipping Weight (1 Unit)	30.5 kg	32.4 kg	33.3 kg	33.1 kg	32.5 kg
Shipping Weight (4 Unit)	131 kg	138 kg	143 kg	142 kg	139 kg
Bezel Width	3.8 mm	1.8 mm	1.8 mm	3.8 mm	3.8 mm
Working Conditions					
Temperature Conditions	+50°C / 0°C	+50°C / 0°C	+50°C / 0°C	+50°C / 0°C	+50°C / 0°C
Humidity	90%	90%	90%	90%	90%
General Features					
Keyboard	N/A	N/A	N/A	N/A	N/A
Speaker	N/A	N/A	N/A	N/A	N/A
Joystick Button	Ɓ	Ɓ	Ɓ	Ɓ	Ɓ
RTC Clock	Ɓ	Ɓ	Ɓ	Ɓ	Ɓ
Failure Feedback	No	No	No	No	No
Brightness Sensor	No	No	No	No	No
Power					
Power Supply	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC	110 VAC - 240 VAC
Power Consumption(Deep StandBy)	TBD	TBD	TBD	TBD	TBD
Power Consumption(On Full Load)	110W	195W	250W	186W	308W

IPS

USB 3.0

External Accessory Box Contents

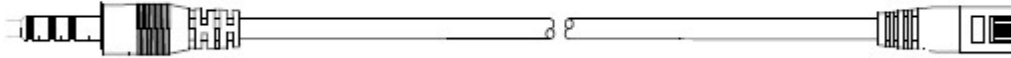
For 1X1 VW configuration, an external accessory box is given for the system.

- ✓ MD.ASY.17VW01-4-VIDEOWALL_RC KONTROL BOX
- ✓ MD.ASY.17TS12-VIDEOWALL_MATRIX BOX
- ✓ PSU Wall Type 12V 2A EU PLUGSAFEROHS(PKG
- ✓ CNAS RJ45 to RJ12 5000mm ROHS
- ✓ DONGLE USB to RS232 DIGITUS DA-70156 PKG
- ✓ CNAS USB A TO USB A HOUSING 220mm ROHS
- ✓ VW WALL MOUNT CARTON BOX 477x917x126mm
- ✓ IR EXTENDER 4P /1.5M W/RED LED ROHS

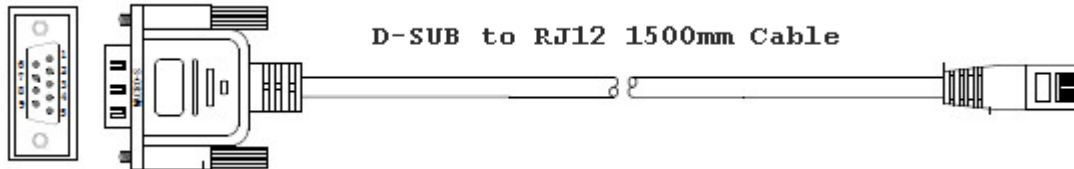
Accessory Box Contents

- ✓ PWRCORD SAFE EU/UK 1450MM CLASS I-PKG RoHS
- ✓ CNAS Headphone to RJ12 5000mm ROHS
- ✓ CABLE DISPLAY PORT 1.2a 1.5m ROHS
- ✓ CNAS D-SUB to RJ12 1500mm ROHS
- ✓ IR EXTENDER 4P /1.5M W/RED LED ROHS
- ✓ AKSESUAR KUTUSU VW (1150x195x45)
- ✓ CNAS USB A TO USB A HOUSING 220mm ROHS
- ✓ VW WALL MOUNT 47" (MA-4060)(pha
- ✓ SCREW C-ZN YSB M4*30 ROHS

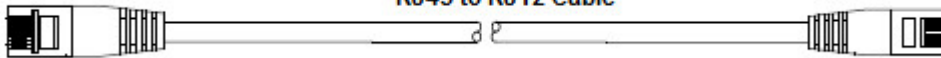
Remote Controller Cable



D-SUB to RJ12 1500mm Cable

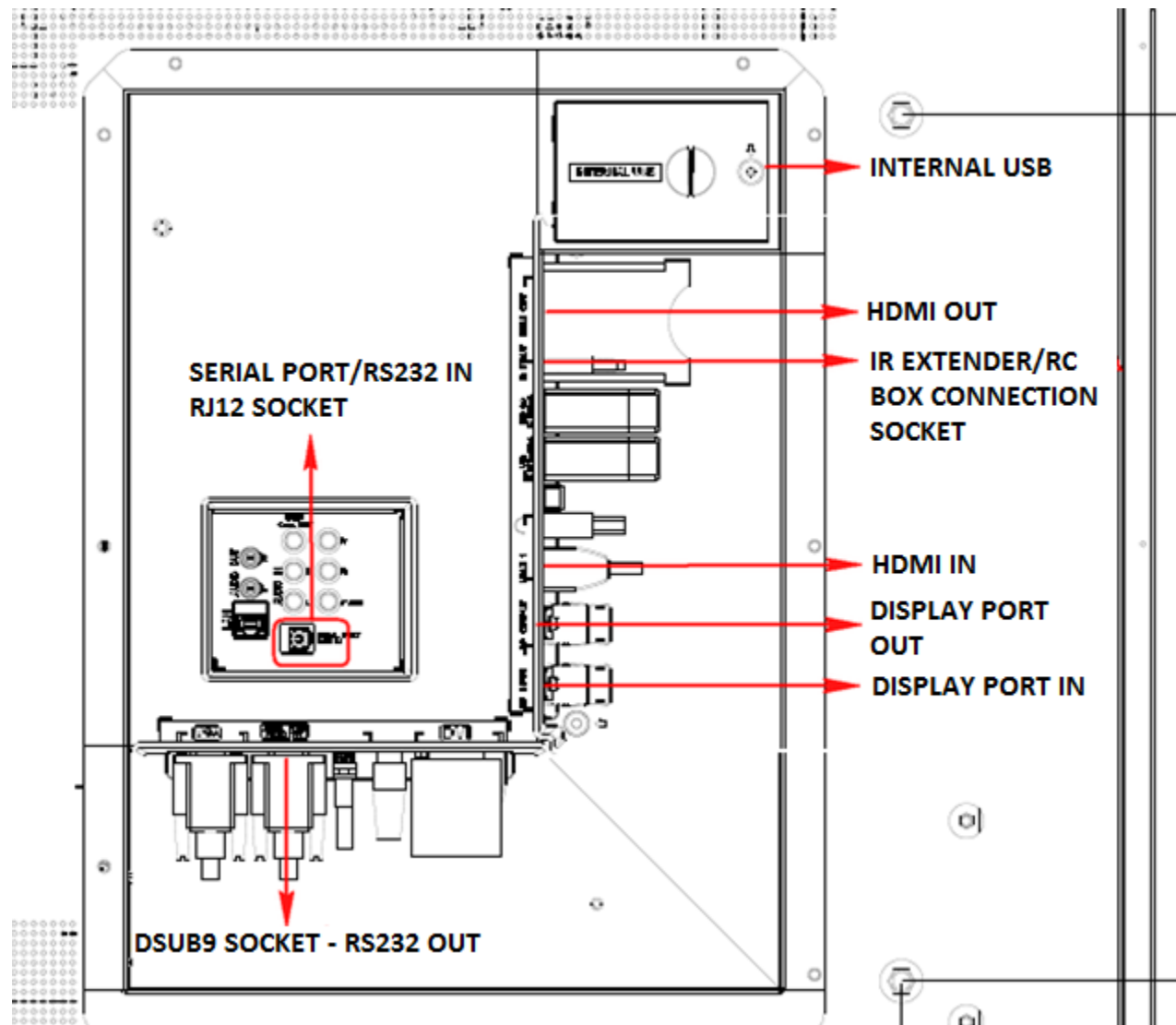


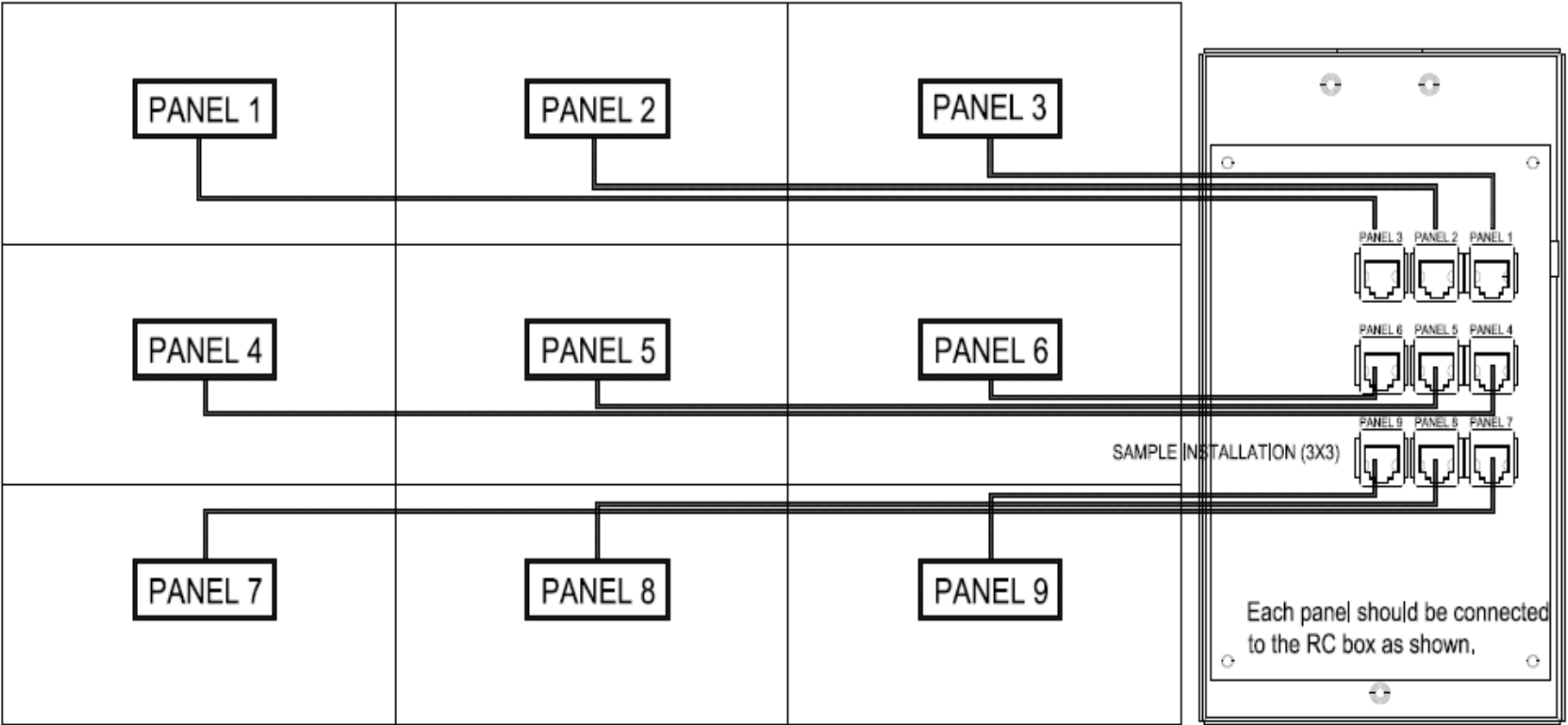
RJ45 to RJ12 Cable



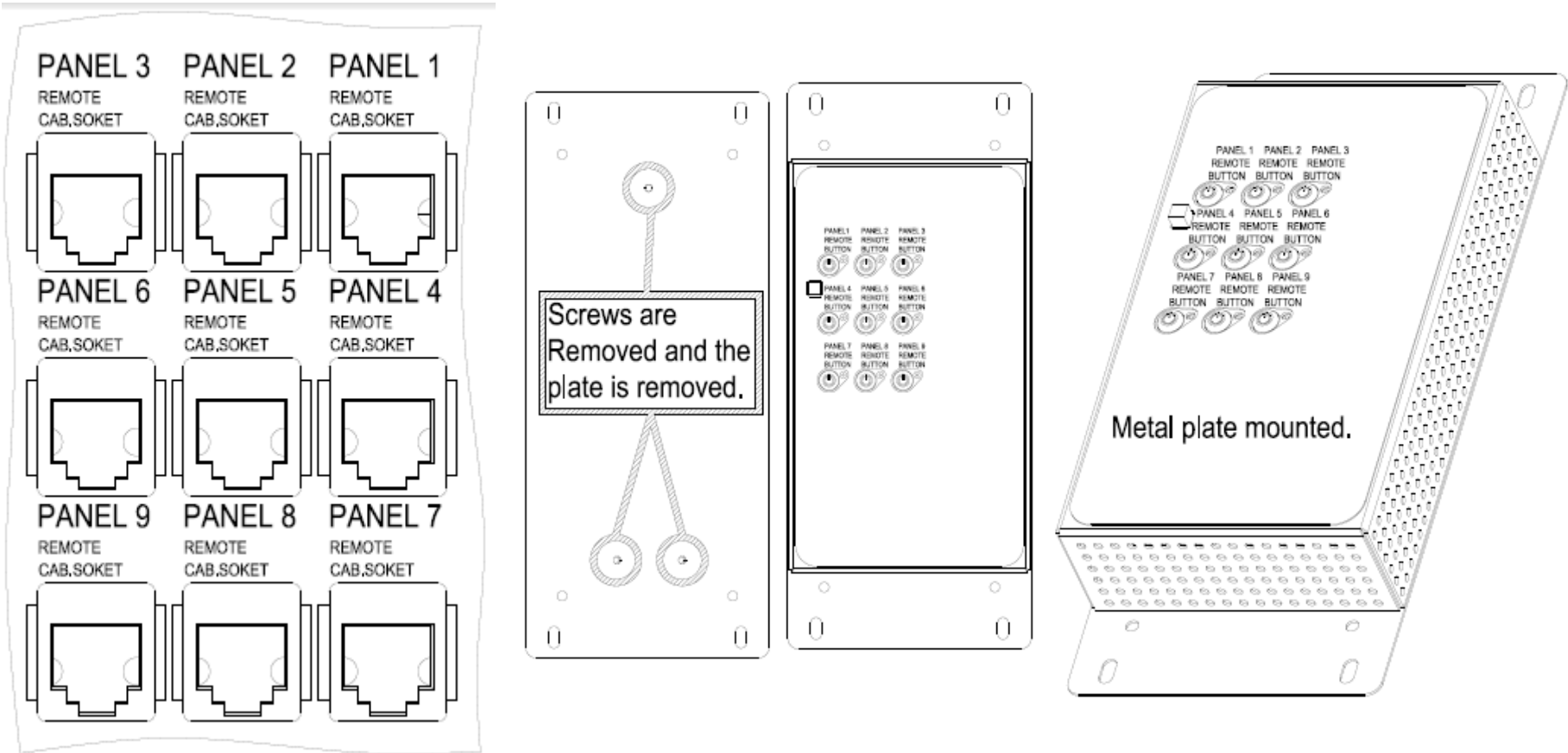
RS232 to USB Converter

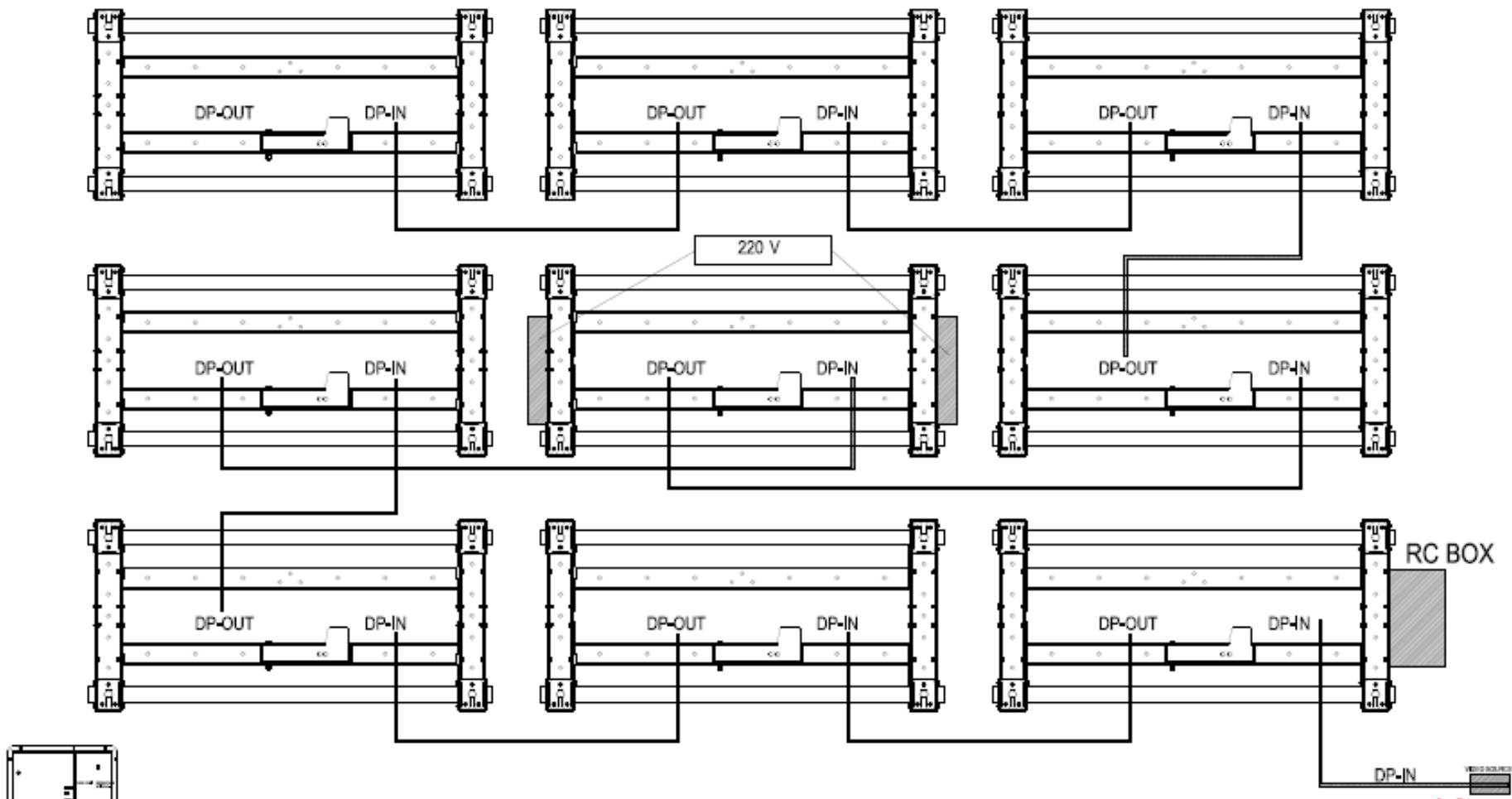






VESTEL





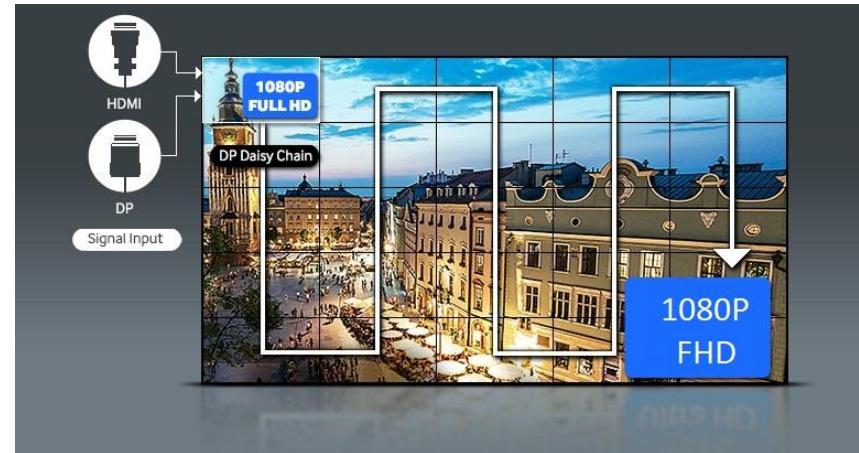
SAMPLE INSTALLATION (3X3)



Specifications

Daisy Chain

Mirror content across multiple displays, using a single connection between every two devices. Offering both DisplayPort or HDMI input and output, these daisy-chainable monitors can be set up as a video wall.



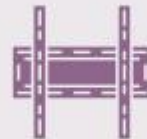
Components



Quick start guide



Instruction manual



Wall mounting kit



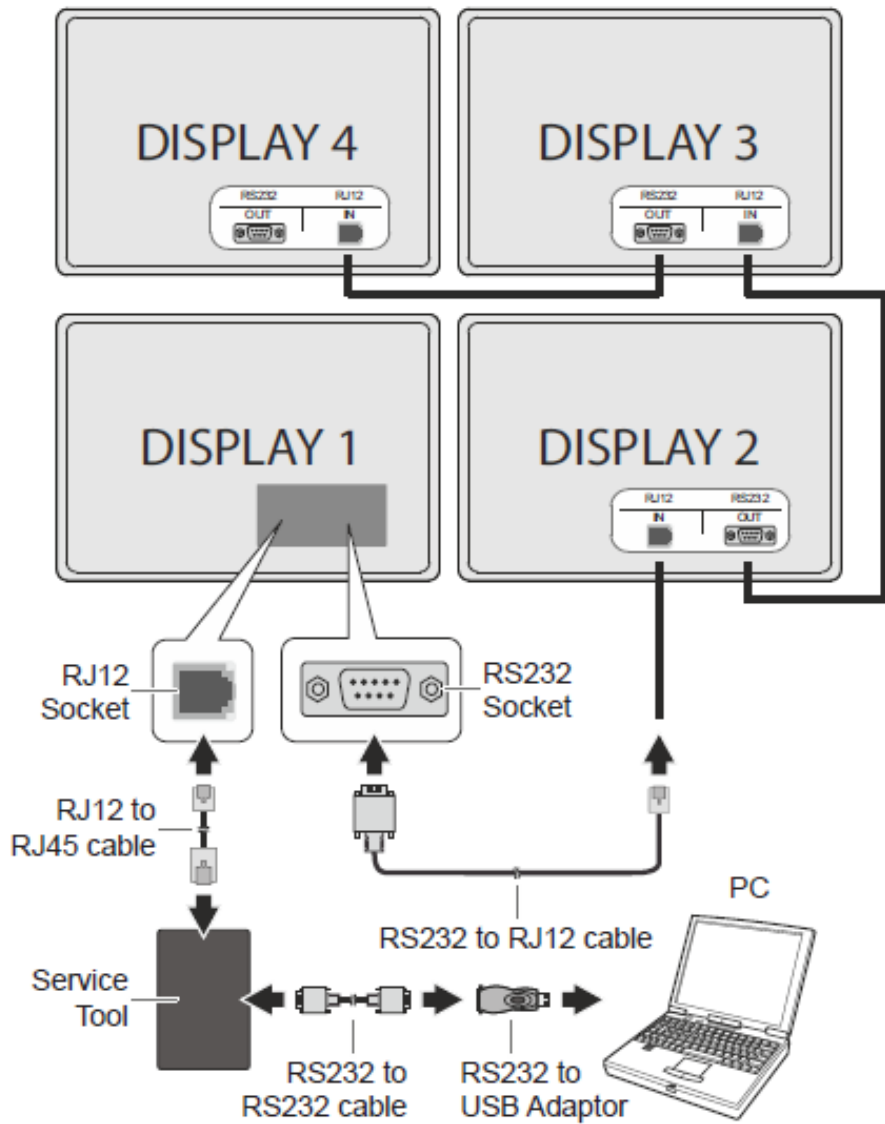
IR extender



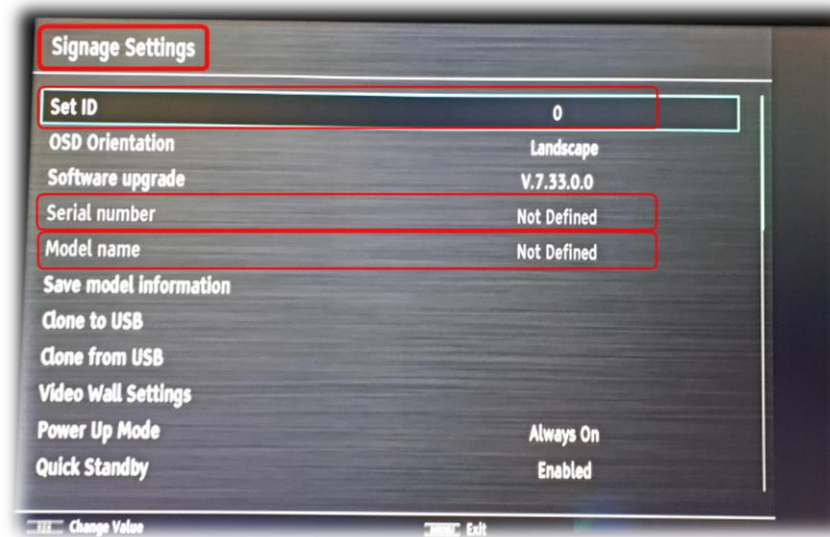
Batteries for remote controllers



Remote controller



MB120DS VW User Menu



MENU→ Signage Settings

Set ID:

Product ID in the system. It is used in RS232 communication and communication with the product is performed by using this ID if any product in the system is to be commanded.

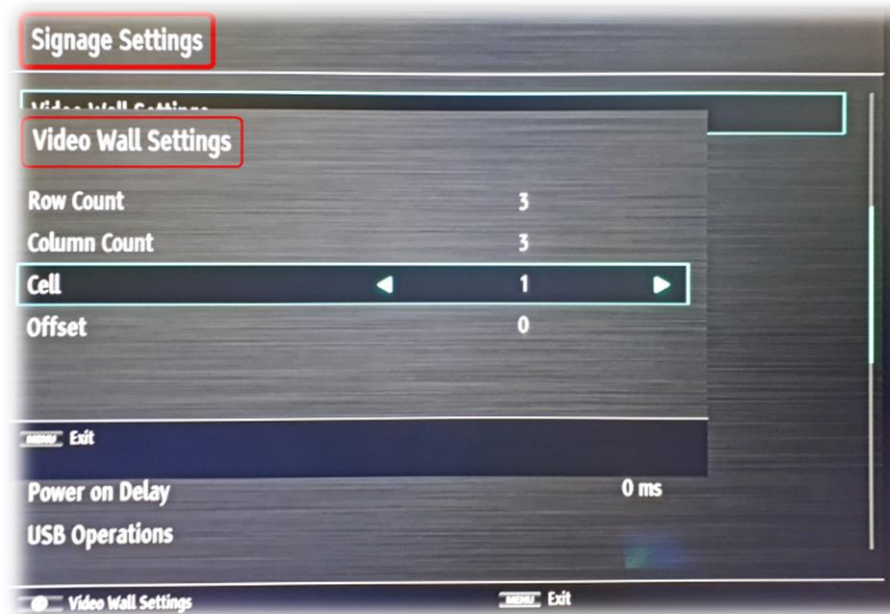
Serial Number:

The serial number of the product which is written in production line.

Model Name:

Model name of the product which is written in production line.

MB120DS VW User Menu



MENU→Signage settings→Video Wall Settings

The number of rows and columns are entered according to the system installed.

MB120DS VW User Menu

MENU→Signage settings→Video Wall Settings

For a 2x3 VideoWall, the number of rows should be 2, the number of columns should be 3. The numbers of "Cell" are as follows. If the set TV is 1 TV, "Cell" should be set to "1". For a full screen image, the cell number should be "0".

1	2	3
4	5	6

UNIT 1 ROW = 3 COLUMN = 3 CELL = 1	UNIT 2 ROW = 3 COLUMN = 3 CELL = 2	UNIT 3 ROW = 3 COLUMN = 3 CELL = 3
UNIT 4 ROW = 3 COLUMN = 3 CELL = 4	UNIT 5 ROW = 3 COLUMN = 3 CELL = 5	UNIT 6 ROW = 3 COLUMN = 3 CELL = 6
UNIT 7 ROW = 3 COLUMN = 3 CELL = 7	UNIT 8 ROW = 3 COLUMN = 3 CELL = 8	UNIT 9 ROW = 3 COLUMN = 3 CELL = 9

MB90 VW - MB120DS VW Comparison

→ In the MB90 VW system, the image was reproduced by the HDMI splitter and transferred to each unit. This means a long HDMI cable from each unit to the splitter. In MB120DS VW system, the image is transferred with daisy chain in the form of in-out via the display port and the system has been simplified.

→ In the MB90 VW system, RS232 communication was provided with TS12 cards installed in each unit. In MB120DS VW TS12 cards have been removed and RS232 communication can now be made directly on the chassis (RJ12-in, DSUB9-out).

→ The same RC box is used in both systems but the connection Cable is different in MB120DS (Headphone to RJ12).

Error Analysis

•No Backlight

- 220V cabling, mains and 220V input socket must be checked.
- Panels should be checked for Standby status.
- Power card should be checked.

•No Display/Abnormal display

- LVDS cable should be checked.
- MB120DS chassis should be checked.

•Vertical, Horizontal Line

- LVDS cable should be checked.
- Panel may be damaged.

•Remote Controller Problem

- Remote Control cables and socket inputs should be checked.

Error Analysis

•No Display on one or more Units

- ➔If the image transmission is via DP, the DP cables and sockets must be checked.
- ➔DP Firmware version should be checked in service menu.
If «N/A» , this means fw is not loaded.
- ➔The technical specifications of the device used as video source for image transfer via DP are important. For example, if the image is transferred with a source with HDCP key protocol, DP daisy chain can be applied up to 7 units. Without the HDCP key protocol, it may also be related to the transfer limit of the PC's graphics card.

THANK YOU

Vestel Application Engineering Department

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