Video Wall Construction Manual

The 2-Day Sale
September 15-16
Lazy smile and Tom
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Unpacking Procedure

1. Remove upper carton case and front cushions

2. Take out accessory parts and cushions

3. Remove Joint (Total 4)

4. Remove a protection bag
Cautions when installing or moving

To prevent the Display from falling:

- Grab the handles when moving this Display.
- Do not touch any parts except the handles.
- Handle with care and with more than two persons when moving this Display. Keep in mind that this Display is easy to break from carelessness.
- For ceiling installation, we recommend installing this Display with metal brackets which are commercially available. For detailed installation instructions, refer to the guide received with the respective bracket.
- To lessen the probability of injury and damage resulting from fall of this Display in case of earthquake or other natural disaster, be sure to consult the bracket manufacturer for installation location.
- For portrait installation, please turn this Display right.

When you install a display by multi, please prepare for 0.5 mm between each display in the state of the power supply OFF.

NOTE:
- Please do not rotate and use it for left-hand side.
- Please do not move with the monitor as an upswing or a downswing.
• Grab the handles when working.
• Do not take hold any part except the handles.
• Do not touch top/down/left/right side and also surface of the monitor.
• Do not stand on the floor directly with surface or rear side of the monitor.
• Do not make impacts to the monitor.

Do not twist the monitor.
When preparing bracket for multiple monitors, please take the following considerations.

1) Ensure the wall on which the monitors will be installed has a smooth surface.
2) Ensure the bracket used to attach the monitors to the wall have enough load capacity to support them.
3) Ensure the bracket used can be adjusted upward, downward, to the left and right, forward and backward.
4) When installing or moving, ensure the bracket does not interfere with the back of the monitor, cable guides, and other structures.
5) Ensure the bracket is constructed so that the monitor can easily be removed.
6) Please do not distort the monitor.

Caution

If you cannot install in the same way as this manual, please contact Panasonic sales company.
VESA Mounting

To mount this Display to a wall, you will have to obtain a standard wall-mounting kit.

1. Lay a protective sheet on a table, which was wrapped around this Display when it was packaged, beneath the screen surface so as not to scratch the screen face.

2. Ensure you have all accessories for mounting this Display (wall mount, ceiling mount, etc).

3. Follow the instructions that came with the wall mounting kit. Failing to follow the correct mounting procedures could result in damage to the equipment, or injury to the user or install personnel. The product warranty does not cover the damage caused by improper installation.

4. For the wall-mounting kit, use M6 mounting screws (having a length 10 - 16mm longer than the thickness of the mounting bracket) and tighten them securely.

There are L type protection board (downside) and protection film (monitor surface). Please remove them.
Cautions of Video Wall installation

When we press 70 N power to left and Right, the wall mount will move to back
※In case of using TY-VK55LFV1

There is a possibility that if pressure is added on the bezel towards outside, the bezel will be distorted.
(The bezel will be open by 20N pressure)
Please add a soft pressure vertically to the panel.

Please do not press panel active area and corner.
Please press center edge of right and left.
Please press vertically to the panel.
Please increase power in right and left equality.
Cautions

About securing space between monitors

- After turning on, the monitor slightly expands due to heat. When installing multiple monitors with fixed outer most peripheries, space (0.5 mm) between monitors (above, below, to the left and right sides of each monitor) must be secured to account for expansion due to heat.

Please do not distort the monitor.
After hung up the monitor and adjust position,
Please do not adjust to flat each monitor surface using some material such as “PLATE”.
This case, distortion is added to the monitor, and there is a possibility some picture trouble happen to the monitor.

Please do not use a hole of rear monitor corner except for Panasonic option bracket such as TY-VK55LV1, TY-VK55LV2.
Main points of attention

Secure air circulation to ensure the ambient condition as follows.
- Temperature: 0°C - 40°C
- Humidity: 10% - 90% (Non condensation).
  
  Note
  In case of LFV8 model: 20% - 80% (Non condensation)

Please secure space as follows.
1) Stand-alone installation
   Secure 100 mm or more space above, below, to the left and right and 50 mm or more behind the monitor.

2) Multi-installation
   Secure 100 mm or more space above, below, to the left and right and 150 mm or more behind the monitor.
Secure the space as follows.

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<tr>
<th>A</th>
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Unit: mm

Ambient Condition: Temperature 0–40 °C, Humidity 10–90% (Non condensation)

Note: In case of LFV8 model, from 20% to 80% (Non condensation)
Embedding space (stand-alone) (vertical installation)

Secure space as follows.

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Ambient Condition: Temperature 0–40 °C, Humidity 10–90% (Non condensation)

Note: In case of LFV8 model, from 20% to 80% (Non condensation)
Embedding space (multi-system) (horizontal installation)

- Secure space as follows.

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Unit: mm

Ambient Condition: Temperature 0—40 °C, Humidity 10—90% (Non condensation)

Note: In case of LFV8 model, from 20% to 80% (Non condensation)
Embedding space (multi-system) (vertical installation)

- Secure space as follows.

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Unit: mm

Ambient Condition: Temperature 0—40 °C, Humidity 10—90% (Non condensation)

Note: In case of LFV8 model, from 20% to 80% (Non condensation)
About connecting to power source

1. Plug the AC cord into this Display.

2. Plug the AC cord firmly until it clicks into position. Make sure the AC cord is locked on both the left and right sides.

Caution

- Use only the AC power cord included and connect securely.
- Never use a power cord other than the one included as it may lead to a smoke emission and/or fire due to insufficient contact.
DISPLAY CONTROL CONNECTION

**RS-232C CABLE**

- **First LCD monitor** (Male)
- **Second LCD monitor** (Male)

Daisy Chain Connection

1. **First LCD monitor**
2. **Second LCD monitor**
3. **Third or more LCD monitor**

**Max:** 100 units

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**EXTERNAL IR CONNECTION (OPTIONAL)**

- **First LCD monitor**
- **Second LCD monitor**

External IR Receiver

- **Third or more LCD monitor**
  - *Stereo mini plug (M3)*
DIGITAL LINK CONNECTION (DVI Daisy Chain Model Only)

Max: 10 units
※ If contents have HDCP signal,
   Max 8 units is available.
DIGITAL LINK CONNECTION (Digital Link Model Only)

Max: 10 units
※ If contents have HDCP signal, Max 8 units is available.

In case of Digital Link input

In case of DVI input

DVI-video cable (Within 5 m)
DIGITAL LINK CONNECTION (Digital Link Model Only)

Max: 10 units
※ If contents have HDCP signal,
   Max 8 units is available.

In case of HDMI input

- DVD/BD Player
- HDMI Cable
- First LCD monitor
- Second LCD monitor
- Digital Link Cable
- Third or more LCD monitor

In case of Display Port input

- First LCD monitor
- Second LCD monitor
- Digital Link Cable
- Third or more LCD monitor

Display Port Cable
Remote controller IR signal outreach distance

In case of using external IR receiver, the remote controller IR signal outreach distance is about 7m.

We recommend to use LAN or RS232C to control the monitor.
◆ Support color calibration

Please refer operation manual of Video Wall Manager Software or TY-VUK10.
About maintenance

To maintain normal operation, check for the following regularly.

• Remove dust if it collects at the air vents (part indicated in pink) of the monitor. If left as is, a malfunction may occur due to temperature rise caused by insufficient ventilation.