



# Panasonic®

## Video Output Board Operating Instructions

Model No. **WJ-PB65M16**

Before attempting to connect or operate this product, please read these instructions carefully and save this manual for future use.

### PRECAUTIONS

**CAUTION:** These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

- **Do not attempt to disassemble the apparatus.**  
To prevent electric shock, do not remove screws or covers.  
There are no user-serviceable parts inside. Contact qualified service personnel for maintenance.

- **Do not strike or give a strong shock to the unit.**  
It may cause damage or allow water to enter the unit.
- **Pay attention to static electricity**  
Make certain to keep boards inside the anti-static sack until it is installed.  
Put your hand on a metallic surface, other than the boards to discharge static electricity before installation.  
Do not touch components mounted on the boards directly by hand.  
Hold only both edges of the boards when installing.

### REFERENCES

Along with this document, refer to Matrix Switcher WJ-SX650 Series Operating Instructions for major operating

controls and their functions, switch settings, and board mounting procedure.

### PREFACE

Video Output Board WJ-PB65M16 is designed for monitor output channel expansion of Matrix Switcher WJ-SX650 Series.

**Important:**

- The software versions of Video Output Board 1 and 2 must be the same.

If the software version of each board is different, upgrade the lower version to the higher one. (Refer to WJ-SX650 Series Operating Instructions for how to check the software version.)

- Refer to the dealer for the version-up procedure. (Surely follow the instructions and notes.)

### FEATURES

- **With a set of this board, up to 16 monitors can be added.**
- **Up to 32 alarm output signals can be supplied to external devices connected to the ALARM OUT 1 and 2 ports.**

# SPECIFICATIONS

Monitor Output (MONITOR OUT 1 to 16):	1 V[P-P]/75 Ω (BNC x 16)
Data Port (DATA 1 to 4)	
DATA 1:	Terminal Mode (TMNL) (PS-Data Mode (PS-DATA) selectable*)
DATA 2:	Terminal Mode (TMNL)
DATA 3, 4:	Terminal Mode (TMNL)/Digital disk recorder (HDR) selectable 6-conductor modular jack x 4 (With termination switches (MODE 1 to 4))
Alarm Output (ALARM OUT 1, 2)	
Alarm Output:	Open collector output x 32, Max. 24 V DC, 100 mA
Alarm Recover Output:	Non-voltage make contact input x 16
Time Adjust Input*:	Non-voltage make contact input x 1
Time Adjust Output*:	Open collector output x 1, Max. 24 V DC, 100 mA
Extension Port (EXTENSION 1 IN, OUT)*:	6-conductor modular jack x 2 (With a termination switch (TERM: ON, OFF))
VS Input*:	1 V[P-P]/75 Ω (VS IN)
VS Output*	(VS OUT (THRU)): VS loop-thru output (VS OUT): 1 V[P-P]/75 Ω (VS)
Serial Port*:	9-pin D-sub connector x 2
Dimensions	
Main Board:	338 mm (W) x 47 mm (H) x 236 mm (D) {13-3/10" (W) X 1-9/10" (H) X 9-3/10" (D)}
OUT X-1 Board:	355 mm (W) X 38 mm (H) X 134 mm (D) {14" (W) X 1-1/2" (H) X 5-3/10" (D)}
OUT X-2 Board, OUT X-3 Board:	355 mm (W) X 21 mm (H) X 117 mm (D) {14" (W) X 4/5" (H) X 4-3/5" (D)}

\* Not available when the MODE switches are set as Video Output Board 2

# STANDARD ACCESSORIES

Operating Instructions (This Document) .....	1 pc.
Screws .....	7 pcs.
Fixing bracket .....	2 pcs.
Warranty Card .....	1 pc.

**Panasonic System Solutions Company,**  
Unit Company of Panasonic Corporation of North America

**Security Systems**

[www.panasonic.com/security](http://www.panasonic.com/security)

For customer support, call 1.877.733.3689

**Executive Office:** Three Panasonic Way 2H-2, Secaucus, New Jersey 07094

**Zone Office**

**Eastern:** Three Panasonic Way, Secaucus, New Jersey 07094

**Central:** 1707 N. Randal Road, Elgin, IL 60123

**Southern:** 1225 Northbrook Parkway, Suwanee, GA 30024

**Western:** 6550 Katella Ave., Cypress, CA 90630

**Panasonic Canada Inc.**

5770 Ambler Drive, Mississauga,  
Ontario, L4W 2T3 Canada (905)624-5010  
<http://www.panasonic.ca>

**Panasonic Sales Company**

Division of Panasonic Puerto Rico Inc.  
San Gabriel Industrial Park 65th Infantry Ave. KM. 9.5 Carolina  
P.R. 00985(809)750-4300