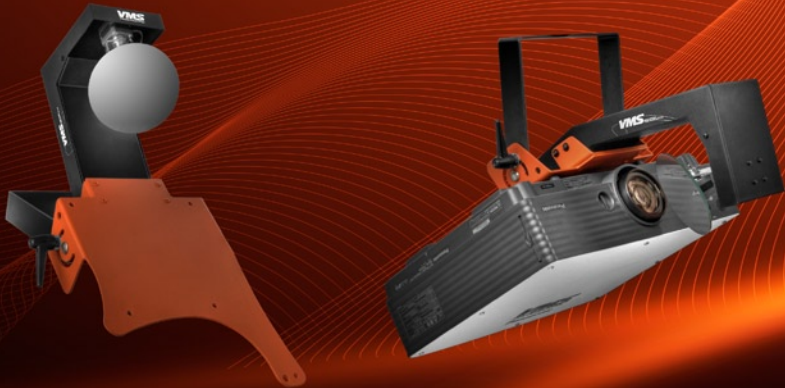


VMU9.57 VideoMirrorUnit for Panasonic PT-D5700/5600/4000/3500




Introduction

Thank you for choosing our VideoMovingSystem to fulfil your needs concerning brand new video technology. We sincerely hope that your new product will provide you with years of trouble-free service. In the event that anything does go wrong, you can rest assured that the VMS network is available to support you.

Our extensive dealer network can provide technical service and sales support no matter where you are in the world, and the VMS team is always available for support and advice. Visit the VMS website www.vms-at.com, contact one of our regional market managers or talk to us personally +43 1 505 76 04.

Once again thank you for choosing VMS!



Thomas Kuhne & Udo Kapeller
VMS CEO

SECURITY ADVICES

Connected load: ~230V/50Hz

Attention! This equipment is not appropriate for homebound usage. This product may be danger to life or physical condition, as electric shock and fall. Read manual before connecting or assembling the equipment. If you have any questions concerning safe usage of this equipment, please contact your dealer.

PROTECTION FROM ELECTRIC SHOCK

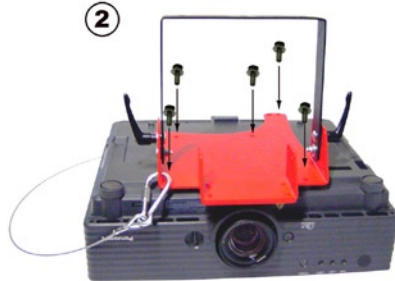
- Separate the equipment all pole from the power system, if not in use and before removing or installing fuses or other components
- Always earth the equipment electrically, before opening the chassis.
- Only use power supply units being up to local and general safety regulations and fused with overload protection and fuse.
- Never expose this equipment to rain or humidity.
- Leave all maintenance work not described in the manual to qualified technicians.
- Always use an extra fall protection for the equipment, for example a safety rope
- Close off work area underneath the equipment when assembling or disassembling

ATTENTION: TO AVOID FIRE AND ELECTRIC SHOCK NEVER EXPOSE THIS EQUIPMENT TO RAIN OR HUMIDITY. NEVER USE THE CONNECTOR OF THIS EQUIPMENT WITH EXTENSION CORDS OR POWER OUTLETS IN WHICH NOT ALL PINS CAN BE INSERTED.



1

Put the Panasonic PT-D5700/5600/4000/3500 projector upside down. Pay attention that the safety rope is attached to the basis plate.



2

Attach the five provided M6 x 12 screws to the projector's basis plate.



3

Put the VideoMirrorUnit – VMU onto the basis plate. Now mount the VMU with the four screws on the basis plate loosely.

Then carefully move the VMU forward as far as possible and tighten the screws.

Attention: Remove the protection film from the mirror!

4



Attach the mirror unit's 230V Power Out cable to the projector's AC IN connector.

The projector's power supply cable is used for the whole unit's power supply.

The Display of the MirrorUnit

DMX- assignment: The DMX-addresses are selected using "UP" and "DOWN" and has to be stored by pressing the "STORE"- button.

Mirror Reset over display: Selection by pressing the "MENU"- button, till the "RES" letters are shown. Press "STORE"-button.

Operational Mode: The VMU9 provides more operational modes.

Mode 1 "ba_1": 5 channels – mirror control, 16 bit pan/tilt and Mirror Reset.

Mode 3 "ba_3": 13 channels – mirror unit functions and several RS 232-commands for the projector, it must be pointed out that the projector is able to run those commands.

You can switch between the two operational modes on the display as following: Selection by pressing the "MENU"- button twice. On the selection screen the appropriate operational mode is chosen by using "UP" and "DOWN" and stored by pressing the "STORE"- button.



"ba_1" 5 channels: 16 bit mirror

DMX	Function
01	Pan (MSB)
02	Pan fine (LSB 16bit)
03	Tilt (MSB)
04	Tilt fine (LSB 16bit)
05	Mirror Reset, value 255

"ba_3" DMX- channels for Panasonic- Projector PT-D5700 eg.
RS 232, baud rate 9600, 8N1

DMX	Function
01	Pan (MSB)
02	Pan fine (LSB 16bit)
03	Tilt (MSB)
04	Tilt fine (LSB 16bit)
05	Mirror Reset, Value 255

- 06 Mechanical Shutter, *Value 0 off, Value 255 on*
- 07 Picture Freeze, *Value 0 off, Value 255 on*
- 08 Optical Zoom
Value 0 - 9, no Zoom
Value 10 - 47, Zoom smaller "Fast"
Value 48 - 85, Zoom smaller "Normal"
Value 86 - 123, Zoom smaller "Slow"
Value 124 - 133, no Zoom
Value 134 - 171, Zoom bigger "Slow"
Value 172 - 208, Zoom bigger "Normal"
Value 209 - 255, Zoom bigger "Fast"
- 09 Optical Focus
Value 0 - 9, no Focus
Value 10 - 47, Focus Long "Fast"
Value 48 - 85, Focus Long "Normal"
Value 86 - 123, Focus Long "Slow"
Value 124 - 133, no Focus
Value 134 - 171, Focus Short "Slow"
Value 172 - 208, Focus Short "Normal"
Value 209 - 255, Focus Short "Fast"
- 10 Vertical Lens Shift
Value 0 - 9, no Vertical Shift
Value 10 - 47, Vertical Shift Left "Fast"
Value 48 - 85, Vertical Shift Left "Normal"
Value 86 - 123, Vertical Shift Left "Slow"
Value 124 - 133, no Vertical Shift
Value 134 - 171, Vertical Shift Right "Slow"
Value 172 - 208, Vertical Shift Right "Normal"
Value 209 - 255, Vertical Shift Right "Fast"
- 11 Orientation
Value 0 - 63, Desktop Front
Value 64 - 127, Desktop Rear
Value 128 - 191, Ceiling Front
Value 192 - 255, Ceiling Rear
- 12 Source Select,
Value 0 - 50, Video
Value 60 - 100, S- Video
Value 110 - 150, RGB 1
Value 160 - 200, RGB 2
Value 210 - 250, DVI
- 13 Power On / Off,
Value 128 - 192, Power On (Hold for 2 seconds)
Value 255, Power Off (Hold for 2 seconds)

Notes:

VMS - VideoMovingSystem is an international company that focuses on video based technologies, applications and video content. The company is based in Vienna, the Cultural Capital of Europe. The VideoMirrorUnit is the key piece of VideoMovingSystem. This simple, yet brilliant invention is designed and produced in Austria.