

# Panasonic

## Central Processing Unit

## Installation Guide

Model No. **WJ-MPU955A**



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

We declare under our sole responsibility that the product to which this declaration relates is in conformity with the standards or other normative documents following the provisions of Directives EEC/73/23 and EEC/89/336.

Wir erklären in alleiniger Verantwortung, daß das Produkt, auf das sich diese Erklärung bezieht, mit der folgenden Normen oder normativen Dokumenten übereinstimmt. Gemäß den Bestimmungen der Richtlinie 73/23/EEC und 89/336/EEC.


Nous déclarons sous notre seule responsabilité que le produit auquel se réfère la présente déclaration est conforme aux normes ou autres documents normatifs conformément aux dispositions des directives CEE/73/23 et CEE/89/336.

Nosotros declaramos bajo nuestra única responsabilidad que el producto a que hace referencia esta declaración está conforme con las normas u otros documentos normativos siguiendo las estipulaciones de las directivas CEE/73/23 y CEE/89/336.


Noi dichiariamo sotto nostra esclusiva responsabilità che il prodotto a cui si riferisce la presente dichiarazione risulta conforme al seguente standard o altri documenti normativi conformi alle disposizioni delle direttive CEE/73/23 e CEE/89/336.

#### WARNING:

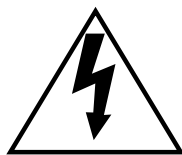
- This apparatus must be earthed.
- Apparatus shall be connected to a mains socket outlet with a protective earthing connection.
- The mains plug or an appliance coupler shall remain readily operable.
- To prevent fire or electric shock hazard, do not expose this apparatus to rain or moisture.
- The apparatus should not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, should be placed on the apparatus.
- All work related to the installation of this product should be made by qualified service personnel or system installers.



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,  
DO NOT REMOVE COVER (OR BACK).  
NO USER-SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.**



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Power disconnection. Unit with or without ON-OFF switches have power supplied to the unit whenever the power cord is inserted into the power source; however, the unit is operational only when the ON-OFF switch is in the ON position. The power cord is the main power disconnect for all units.

Wij verklaren als enige aansprakelijke, dat het product waarop deze verklaring betrekking heeft, voldoet aan de volgende normen of andere normatieve documenten, overeenkomstig de bepalingen van Richtlijnen 73/23/EEC en 89/336/EEC.

Vi erklærer os eneansvarlige for, at dette produkt, som denne deklaration omhandler, er i overensstemmelse med standarder eller andre normative dokumenter i følge bestemmelserne i direktivene 73/23/EEC og 89/336/EEC.

Vi deklarerar härmed vårt fulla ansvar för att den produkt till vilken denna deklaration hänvisar är i överensstämmelse med standarddokument, eller andra normativa dokument som framställs i EEC-direktiv nr. 73/23 och 89/336.

Ilmoitamme yksinomisella vastuullamme, että tuote, jota tämä ilmoitus koskee, noudattaa seuraavia standardeja tai muita ohjeellisia asiakirjoja, jotka noudattavat direktiivien 73/23/EEC ja 89/336/EE. säädöksiä.

Vi erklærer oss alene ansvarlige for at produktet som denne erklæringen gjelder for, er i overensstemmelse med følgende normer eller andre normgivende dokumenter som følger bestemmelsene i direktivene 73/23/EEC og 89/336/EEC.



For U.K.

#### FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.

A 13 amp fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 13 amp and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local Panasonic Dealer.

**IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OF SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.**

If a new plug is to be fitted please observe the wiring code as shown below.

If in any doubt please consult a qualified electrician.


**WARNING: This apparatus must be earthed.**

#### IMPORTANT

The wires in this mains lead are coloured in accordance with the following code.

Green-and-yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wire in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows.

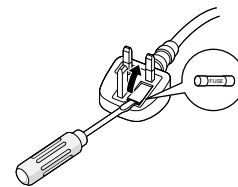
The wire which is coloured **green-and-yellow** must be connected to the terminal in the plug which is marked with the letter **E** or by the earth symbol  or coloured **green** or **green-and-yellow**.

The wire which is coloured **blue** must be connected to the terminal in the plug which is marked with the letter **N** or coloured **black**.

The wire which is coloured **brown** must be connected to the terminal in the plug which is marked with the letter **L** or coloured **red**.

#### How to replace the fuse

Open the fuse compartment with a screwdriver and replace the fuse and fuse cover.



The serial number of this product may be found on the surface of the unit.

You should note the serial number of this unit in the space provided and retain this book as a permanent record of your purchase to aid identification in the event of theft.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

For Canada

This Class A digital apparatus complies with Canadian ICES-003.

For U.S.A

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications.

Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: To assure continued compliance, (example - use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

## ■ Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## ■ Limitation of Liability

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- (2) PERSONAL INJURY OR ANY DAMAGE CAUSED BY INAPPROPRIATE USE OR NEGLIGENT OPERATION OF THE USER;
- (3) UNAUTHORIZED DISASSEMBLY, REPAIR OR MODIFICATION OF THE PRODUCT BY THE USER;
- (4) INCONVENIENCE OR ANY LOSS ARISING WHEN IMAGES ARE NOT DISPLAYED, DUE TO ANY REASON OR CAUSE INCLUDING ANY FAILURE OR PROBLEM OF THE PRODUCT;
- (5) ANY PROBLEM, CONSEQUENTIAL INCONVENIENCE, OR LOSS OR DAMAGE, ARISING OUT OF THE SYSTEM COMBINED BY THE DEVICES OF THIRD PARTY.

# Overview

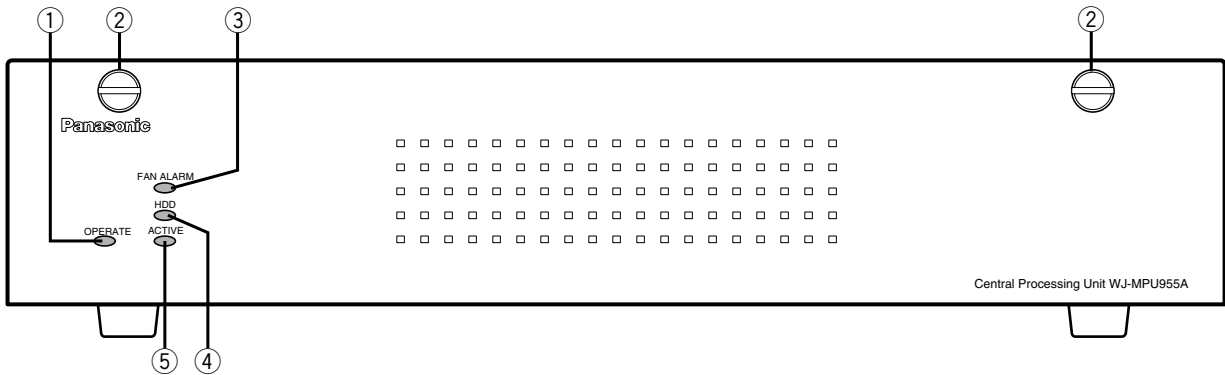
The WJ-MPU955A is the Central Processing Unit for the Network Security System. The Network Security System is a high quality video imaging system offering complete management of medium and large-scale installations. WJ-MPU955A can control up to 1 024 video inputs and 256 video outputs with 64 system controllers in the GX system. The Network Security System is a truly network-based system, and all the devices in the system are connected through IP-based networks.

# Layout

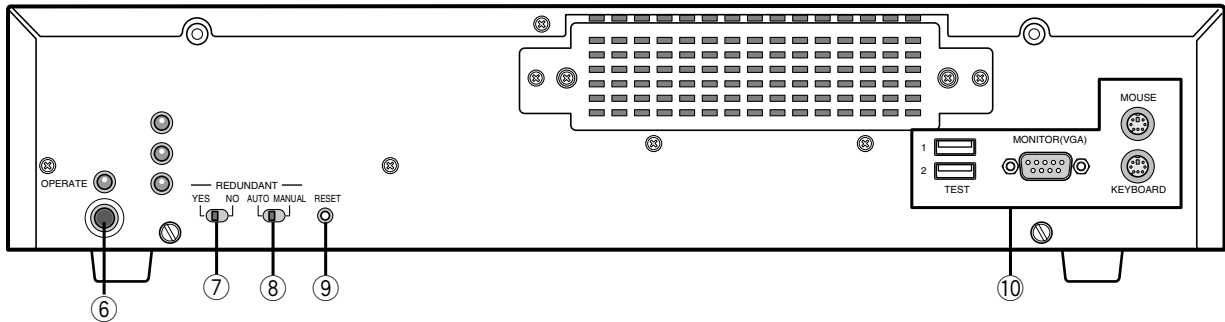
The following diagrams are the front panel and the rear panel of the WJ-MPU955A.

## ● Front View

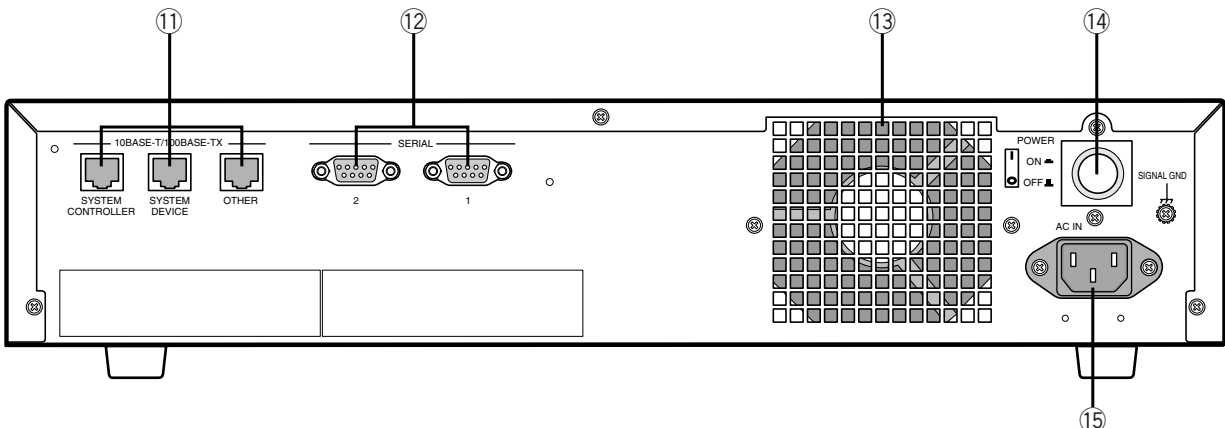
<Front panel attached>



<Front panel detached>



## ● Rear View



## ■ Panel Details

### ① Operation Indicator (OPERATE)

The operation indicator is on when the power of the WJ-MPU955A is turned on and the OPERATE switch is pressed. The operation switch of the CPU is located behind the front panel.

### ② Screws

These screw are removed to detach the front panel.

### ③ Fan Alarm Indicator (FAN ALARM)

FAN ALARM indicator shows the cooling fan status. This indicator lights when the cooling fan has a trouble, and keeps lighting until the power is turned off. In such case, turn the power off and refer servicing to qualified service personnel as soon as possible.

**Note:** This indicator lights for around five seconds after the power is turned on. That is the normal status.

### ④ Hard Disk Drive Indicator (HDD)

This HDD indicator shows the hard disk drive status.

### ⑤ Active Indicator (ACTIVE)

This ACTIVE indicator shows the system status of the WJ-MPU955A.

### ⑥ Operation Switch (OPERATE)

When this switch is pressed, the unit will operate while the POWER switch is ON. To stop the operation, hold down this switch for around five seconds.

**Note:** The AC power is still on even when the OPERATE switch is off.

### ⑦ Redundant Selector (REDUNDANT YES/NO)

This selector is reserved for future use.

### ⑧ Mode Selector (REDUNDANT AUTO/MANUAL)

This selector is reserved for future use.

### ⑨ Reset Button (RESET)

This button is pressed to reset the CPU.

**Note:** In normal operation, you need not press the button.

### ⑩ Test ports (TEST)

These ports are used only for factory tests. Do not connect anything.

### ⑪ Ethernet Ports (10BASE-T/100BASE-TX)

These Ethernet Ports exchange control data via Ethernet. The CPU can contain up to three Ethernet ports. In a standard setup, we suggest you use the [SYSTEM CONTROLLER] port for system controllers while the [SYSTEM DEVICE] port for video encoders and decoders. The [OTHER] port is reserved for future use.

**Note:** MPEG2 Encoder (WJ-GXE900) and MPEG2 Decoder (WJ-GXD900) support the NTSC model only.

### ⑫ Peripheral Interface Ports (SERIAL)

These ports are reserved for future use or factory tests.

### ⑬ Cooling Fan Unit

This cooling fan unit prevents the temperature of the CPU from rising. Do not block the ventilation opening on the cover.

### ⑭ Power Switch (POWER ON/OFF)

**I:** ON

**O:** OFF

### ⑮ AC Inlet Socket (AC IN)

Plug the power cord (supplied as a standard accessory) into this socket and connect it to an AC outlet.

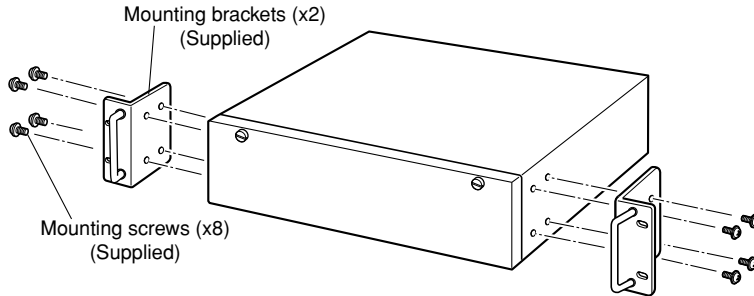
## WARNING

The installations described in the diagram should be made by qualified service personnel or system installers.

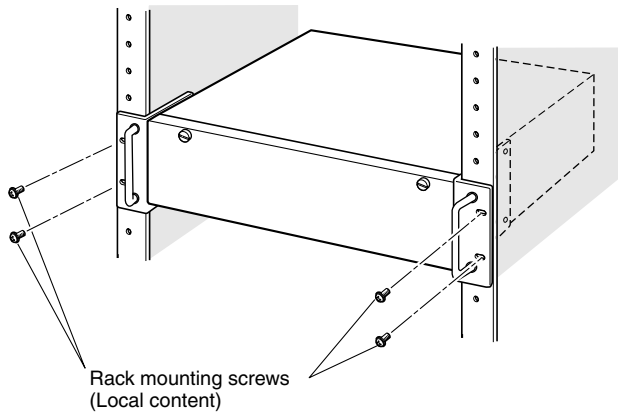
## ■ Mounting into the Rack

The CPU (WJ-MPU955A) should be mounted into the rack as shown in the following diagram. Here are the steps:

1. Install the rack mounting brackets on both sides of the unit.  
Using the mounting screws (8 pcs.) for the rack mounting brackets, fix them firmly.



2. Mount the unit into the rack by fixing the rack mounting screws (locally procured: 4 pcs). (Refer to the following illustration.)



### Important:

- The cooling fan inside the unit is perishable and must be replaced periodically.
- If the rack is subject to vibration, secure the rear of the unit to the rack by using additional mounting brackets (locally procured).
- To avoid loosening, secure the mounting screws surely.
- Mount the unit into the rack with a space equivalent to approx. 1 unit (44 mm) or more to separate from other devices.
- To prevent the unit from overheating, do not block the ventilation openings or slots in the cover.



## ■ Specifications

Power Supply	NTSC model: 120 V AC, 60 Hz PAL model: 220 V - 240 V AC, 50 Hz
Power Consumption:	60 W
Controllable Encoders (NTSC model only):	256 Encoders
Controllable Decoders (NTSC model only):	64 Decoders
Ethernet Ports:	10Base-T/100Base-TX, 8-conductor modular jack (x3) System controller* (1 port), encoder and decoder control (1 port)**, other (1 port) * Maximum 64 controllers ** NTSC model only
RS-232C Port:	9-pin D-sub connector (x2)
Ambient Operating Temperature:	+5 °C to +45 °C {41 °F - 113 °F}
Ambient Operating Humidity:	Less than 90 %
Dimensions	420 mm (W) x 88 mm (H) x 350 (D) mm
(excluding rubber feet and projections):	{16-9/16" (W) x 3-7/16" (H) x 13-3/4" (D)}
Weight:	9 kg {19.8 lbs.}

Weight and dimensions indicated are approximate.  
Specifications are subject to change without notice.

## ■ Standard accessories

Installation Guide (This Document).....	1 pc.
CD-ROM .....	1 pc.

**Note:** The files specified below are included on the CD-ROM.  
Operating Instructions (pdf)  
Administration Console

The following are for installation:

Power Cord*	
NTSC model: .....	1 pc.
PAL model: .....	2 pcs.
Mounting Brackets .....	2 pcs.
Mounting Screws .....	8 pcs.

\* Use the power cord that is suited to your locality.

# Administration Console Time Management Utility Software Installation Guide

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## WHAT IS INCLUDED ON CD-ROM

- Administration Console Software
- Time Management Utility (TMU) Software
- Administration Console sample database
- Admin Console User's Guide
- Time Management Utility User's Guide
- Operating Instructions

## SYSTEM REQUIREMENTS

### Minimum Hardware Requirements

- PC with an Intel® Pentium® III processor
- 64 MB memory
- 80 MB free hard drive space
- 10/100 Mbps Ethernet network interface card
- CD-ROM Drive

### Minimum Video Display Setting Requirements

- 256 colors or higher
- 800 x 600 resolution

### Operation Operating System Requirements

- Microsoft® Windows® 2000 Professional Service Pack 4 (English Version)
- Microsoft® Windows® XP Professional Service Pack 2 (English Version)
- Microsoft® Windows® 98 Second Edition (English Version)

### Adobe® Reader

Required to browse the operating instructions on the CD-ROM. If Adobe® Reader is not installed on the PC, download the latest version of Adobe® Reader from the Adobe Systems Incorporated web site and install it.

# SOFTWARE INSTALLATION / UNINSTALLATION

## Administration Console Installation

1. Insert the CD-ROM into the CD-ROM drive on your computer.
  - The installation menu will appear.
2. Select Administration Console and click **Next**.
  - The Administration Console program installation will begin automatically.
3. Respond to the dialog boxes by following the directions given.

## Time Management Utility (TMU) Installation

1. Insert the CD-ROM into the CD-ROM drive on your computer.
  - The installation menu will appear.
2. Select Time Management Utility and click **Next**.
  - The TMU program installation will begin automatically.
3. Respond to the dialog boxes by following the directions given.

## Uninstallation

Administration Console and TMU can be uninstalled by using **Add/Remove Programs** on **Control Panel**.

### Information on Disposal for Users of Waste Electrical & Electronic Equipment (private households)



This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.

For proper treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your local retailer upon the purchase of an equivalent new product.

Disposing of this product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling. Please contact your local authority

for further details of your nearest designated collection point.

Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

### For business users in the European Union

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

### Information on Disposal in other Countries outside the European Union

This symbol is only valid in the European Union.

If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

**For U.S., Canadian and Puerto Rican fields:**

**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

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