

**Ikegami**

# **INSTRUCTION MANUAL**

**MODEL ICD-840MP/S**

**VBS/RGB OUTPUT POWER UNIT**

**OUTDOOR USE WARNING**

**WARNING – TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.**

 <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p style="margin: 0;"><b>CAUTION</b></p> <p style="margin: 0; font-size: small;">RISK OF ELECTRIC SHOCK DO NOT OPEN</p> </div> 	<p><b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>
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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.

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**CAUTION;**  
 ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PART RESPONSIBLE FOR COMPLIANCE COULD VOID THE USERS AUTHORITY TO OPERATE THE EQUIPMENT.

# IMPORTANT SAFEGUARDS

- **Read Instructions** — All the safety and operating instructions should be read before the appliance is operated.
- **Retain Instructions** — The safety and operating instructions should be retained for future reference.
- **Heed Warnings** — All warnings on the appliance and in the operating instructions should be adhered to.
- **Follow Instructions** — All operating and use instructions should be followed.
- **Cleaning** — Unplug this video product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- **Attachments** — Do not use attachments not recommended by the video product manufactures as they may cause hazards.
- **Water and Moisture** — Do not use this video product near water — for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
- **Accessories** — Do not place this video product on an unstable cart, stand, tripod, bracket, or table. The video product may fall, causing serious injury to person, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the video product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- **Power Sources** — This video product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For video products intended to operate from battery power, or other sources, refer to the operating instructions.
- **Grounding or Polarization** — This video product is equipped with a polarized alternating current line-plug (a plug having one blade wider than the other) or a 3-wire grounding-type plug (a plug having a third grounding pin). This is a safety feature. The plug having one blade wider than the other will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. The plug having a third grounding pin will only fit into a grounding-type power outlet. If the plug should fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug or the grounding-type plug.
- **Power-Cord Protection** — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- **Lightning** — For added protection for this video product receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the cable system. This will prevent damage to the video product due to lightning and power-line surges.
- **Power Lines** — An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- **Overloading** — Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
- **Object and Liquid Entry** — Never push objects of any kind into this video product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the video product.
- **Servicing** — Do not attempt to service this video product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- **Damage Requiring Service** — Unplug this video product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - a. When the power-supply cord or plug is damaged.
  - b. If liquid has been spilled, or objects have fallen into the video product.

- c. If the video product has been exposed to rain or water.
  - d. If the video product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the video product to its normal operation.
  - e. If the video product has been dropped or the cabinet has been damaged.
  - f. When the video product exhibits a distinct change in performance — this indicates a need for service.
- **Replacement Parts** — When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
  - **Safety Check** — Upon completion of any service or repairs to this video product, ask the service technician to perform safety checks to determine that the video product is in proper operating condition.

## 1. INTRODUCTIONS

Thank you very much for purchasing this product. To get the best out of its functions, please read this

instruction manual carefully. This unit is to be used in combination with the ICD-840.

## 2. FEATURES

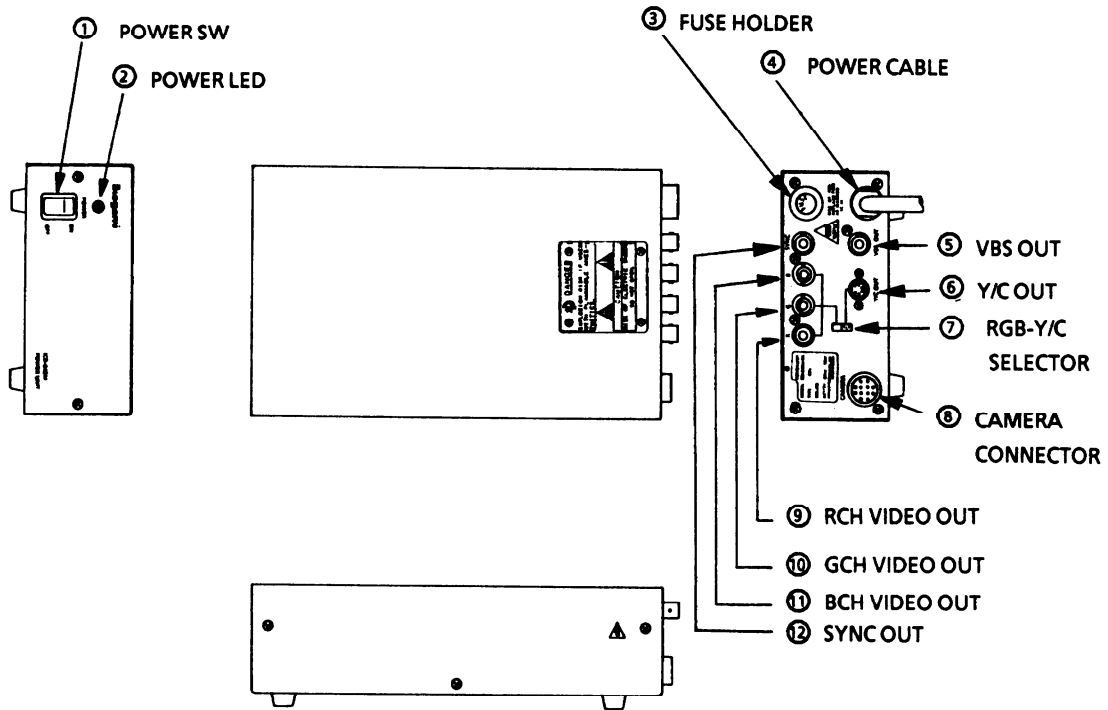
The ICD-840 camera is powered by simply plugging the exclusive cable to this unit, and VBS and RGB signals are readily accessible. Using the selector, Y/C separate signal can be outputted through the BNC or Y/C OUT

connector. In addition to such an easy cabling, the 10-m exclusive cable is long enough to place the unit away from the camera.

## 3. INSTALLATION PRECAUTIONS

- Never get this unit wet.  
Troubles or accidents may result.
- Use this unit within the specified working temperature range (0°C~45°C).  
Use in the place where exceed the temperature may adversely affect the pictures or the parts and may result in troubles.
- Avoid too humid or dusty places.  
Bad effects on the parts may result.
- Avoid places exposed to radiant rays or X rays.  
Bad effects on the parts and troubles may result.
- Avoid places exposed to strong radio wave or magnetism.  
Bad effects on the pictures may result.
- Avoid places subject to extreme vibrations.  
Bad effects on the pictures or the parts may result.

## 4. NAME OF EACH PART AND ITS FUNCTION

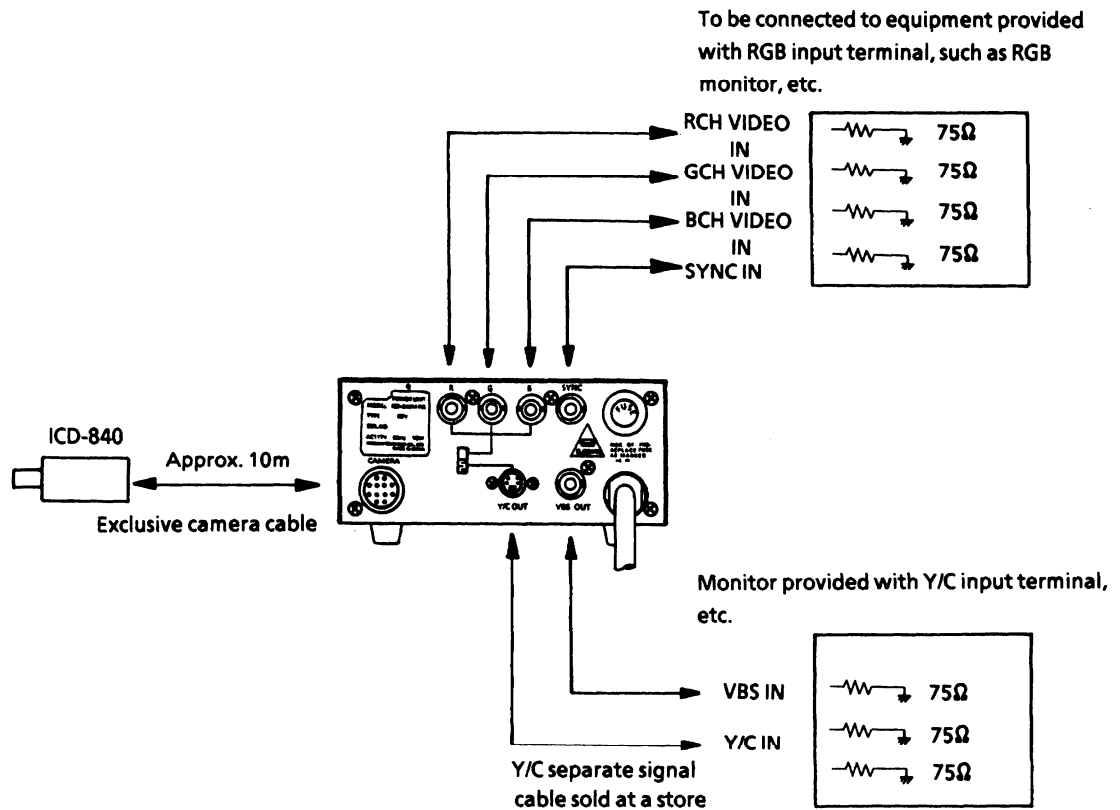


- ① **POWERSWITCH:** Be sure to turn on the power switch after the connections are completed.
- ② **POWER LED:** Lights up when the power switch is turned on.
- ③ **FUSE HOLDER:** Use a 0.3A fuse.

- ④ **POWER CABLE:** To be plugged in a nearby outlet.
- ⑤ **VBS OUT:** Video signal output terminal (BNC type)

- ⑥ Y/C OUT: Terminal to output luminance and chroma signals separately. To be connected to a monitor provided with Y/C input terminal using a Y/C separate signal cable sold at a store. Keep the selector ⑦ set at Y/C.
- ⑦ RGB-Y/C SELECTOR: Selector to change between RGB and Y/C separate outputs. The same selector located inside the camera must be changed together with this one. However, let a service person change the selector inside the camera.
- ⑧ CAMERA CONNECTOR: To be connected to the ICD-840 with the exclusive camera cable.
- ⑨ RCH VIDEO OUT: Terminal to output RCH video signal (BNC type). To be connected to a monitor provided with RGB input terminal, terminated with 75Ω.
- ⑩ GCH VIDEO OUT: Terminal to output GCH video signal (BNC type). To be connected to a monitor provided with RGB input terminal, terminated with 75Ω.
- ⑪ BCH VIDEO OUT: Terminal to output BCH video signal (BNC type). To be connected to a monitor provided with RGB input terminal, terminated with 75Ω.
- ⑫ SYNC OUT: Terminal to output SYNC signal (BNC type). To be connected to the SYNC input terminal of the monitor, terminated with 75Ω.

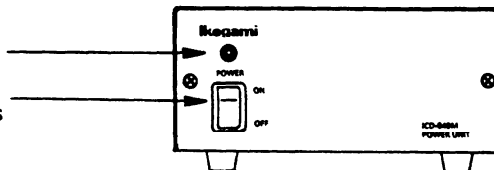
## 5. CONNECTION



### Switching

#### 1) Power switch

- The LED lights up when this switch is turned on.
- After all the connections are completed, plug the power cable in an AC 117V outlet and turn on this switch.



#### 2) RGB-Y/C selector



- Upper side : Outputs RGB video signal.
- Lower side : Outputs Y/C separate signal.

### Note :

This selector must be changed together with the same selector located inside the camera. Refer to the camera instruction manual for details and let a service

person handle the switching of the selector inside the camera.



**Handling precautions**

- Do not disassemble the unit.  
Never touch the internal parts. Troubles or accidents may result.
- Do not put objects into the unit.  
Never put metals or flammable things into the unit.  
Troubles or accidents may result.
- Handle the unit with care.  
Do not drop or give extreme shock or vibration to the unit. Breakage or troubles may result.

**When troubles are found :**

In case unusual sound, smell, smoke, etc. or troubles (no picture, etc) are found when the unit is being

used, stop the operation (turn off the power) and contact the dealer or a sales person.

**Cleaning the unit :**

Turn off the power and wipe the unit with a soft dry cloth.

If the unit is badly stained, soak a cloth in water-

diluted furniture detergent, wring it well enough and wipe the unit lightly.

## 6. SPECIFICATIONS

1) DC power output

+ 12V ~ + 14V output (camera side)

2) Video output

Composite output : VBS = 1.0Vp-p/75Ω

RGB video output : R = 0.7Vp-p/75Ω

G = 0.7Vp-p/75Ω

B = 0.7Vp-p/75Ω

SYNC output : 4Vp-p/75Ω

Y/C separate output : Y = 1Vp-p/75Ω

(with the selector at Y/C) C = 0.286Vp-p/75Ω

3) Power supply

AC117V ± 10%

4) Power consumption

15 W

5) External dimensions

149 (W) × 65 (H) × 248 (D) mm

6) Weight

2.5 Kg

7) Working temperature

0°C~45°C

8) Types of connectors

COMPOSITE VIDEO OUT BNC

R.G.B VIDEO OUT BNC

SYNC OUT BNC

Y/C OUT 4-pin round connector

Camera connector 12-pin round connector

■ Accessories

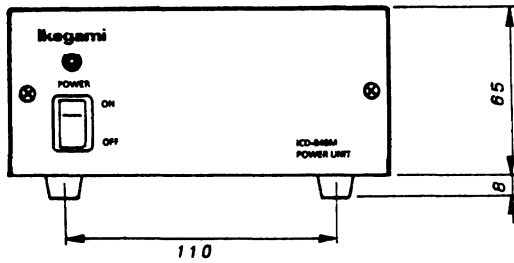
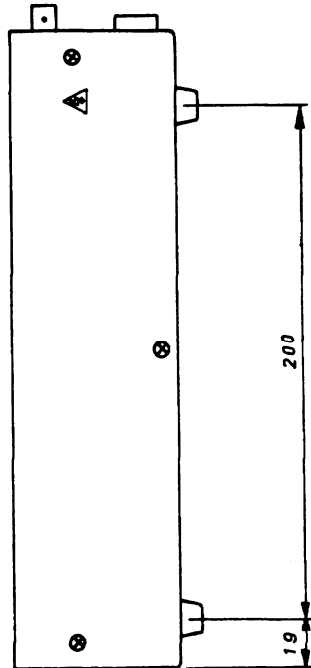
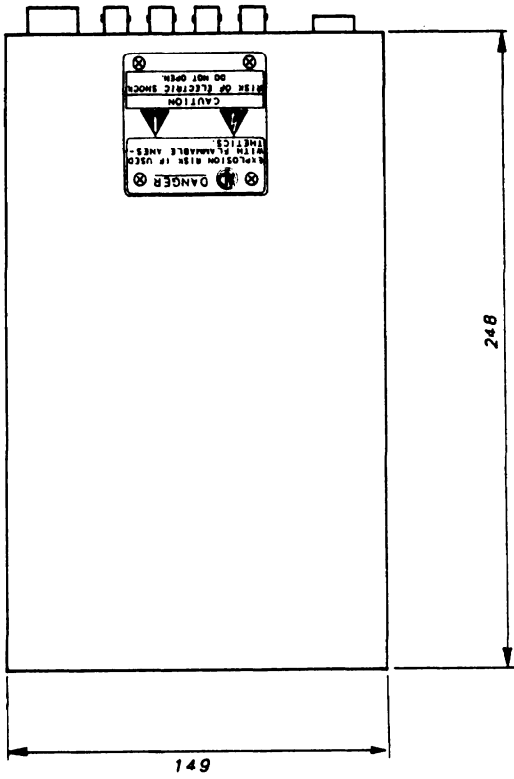
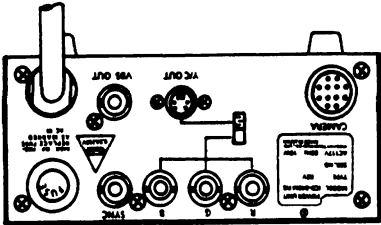
Composite camera cable : 10 m

Instruction manual : 1 copy

\* Specifications and design are subject to change without notice.

\* Designed to output NTSC video signal, this camera can not be used on VTRs or monitors in other TV system than NTSC.

**7. ATTACHED DRAWING**



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