

# INSTRUCTION MANUAL

## MODEL NO.

**CMD713A**

## FEATURES

- ◆ 1/3" SONY SUPER HAD CCD
- ◆ 680 TVL. WITH OSD MENU
- ◆ 0.001 STAR LIGHT LOW LUX
- ◆ 12V DC
- ◆ 2.8-10MM Auto-Iris Lens
- ◆ VANDALPROOF DOME CAMERA



## SPECIFICATIONS

Model No	CMD713A
SIGNAL SYSTEM	NTSC
IMAGE SENSOR	1/3" SONY Super HAD CCD
PICTURE ELEMENT	NTSC: 811×508, PAL: 795×596
HORIZONTAL RESOLUTION	680TVL
LENS	2.8-10MM Auto-Iris Lens
MINIMUM LUX	0.001 Lux
S/N RATIO	More than 48dB
VERTICAL FREQUENCY	NTSC: 59.94Hz - PAL: 50Hz
SCANNING SYSTEM	2:1 INTERLACE
SYNCHRONIZATION	INTERNAL
GAMMA CHARACTERISTIC	0.45
VIDEO OUTPUT	1.0Vp-p, 75 Ohms ; BNC Connector
ELECTRONIC SHUTTER	NTSC: 1/60s~1/120,000s, PAL: 1/50s~1/120,000s
STORAGE TEMPERATURE	-30~+60℃
OPERATION TEMPERATURE	-10~+45℃
POWER CONSUMPTION (IR, LED's ON)	12VDC (+/-10%)/ 150mA
DIMENSIONS	Φ 148×89mm
WEIGHT	1000g

## INSTALLATION

### Camera Mounting and Connections:

Read following installation precautions before installing and using system.

- 1) Check the system for operation prior to installing the system.
- 2) Identify and evaluate an ideal location in the ceiling for mounting the camera.
- 3) Separate the mounting case from the camera and its dome cover.
- 4) Cut a hole in the roof which is big enough for routing the cables.
- 5) Align the mounting case over the surface of the cable hole and make marks on the ceiling where screw holes to be drilled and then drill the four holes.
- 6) Pass the power cable and video cable from the camera unit through the cable hole in the ceiling.
- 7) Align the four screw holes in the mounting base ring with screw holes in the ceiling, and then secure the mounting case and camera in place by tightening four screws
- 8) Attach the dome cover to the camera and mounting case to fix the camera position.
- 9) Carry out the setting and adjustments to the camera.
- 10) Loosen dome cover to adjust camera's panning and tilt position.
- 11) Set the zoom position by using zoom lever screw.
- 12) Set the focus by using focus lever screw.
- 13) Connect the video output cable of the camera to the video input of a monitor, TV, DVR or other equipment.
- 14) Connect the DC power cable to a 12V power supply unit.



Camera Front View



Camera Side View



Camera Bottom View



Connection Cables

## SAFETY WARNING

### CAUTION

DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

## PRODUCT PRECAUTIONS

1. All the safety and operating instructions should be read before the camera is operated.
2. All warnings on the camera and in the instruction should be adhered to.
3. Handle the camera with care. Avoid striking or shaking it. Improper handling or storage could damage the camera.
4. Never aim the camera at direct sunlight or at other intense light source which could damage the image sensor and create adverse video.
5. Do not operate the camera beyond its specified temperature, humidity and power source ratings. The operational temperature range for this indoor/outdoor use camera is between -10°C ~ 50°C and relative humidity below 85%. The input power source voltage and electric current must match within the limits of camera's operating voltage specification.
6. Use dry cloth or mild detergent to clean housing when dirty. Unplug power source before cleaning
7. Only use attachments/accessories specified by the manufacturer.
8. Do not let water or foreign objects inside the camera as it may result fire or electric shock.
9. Refer all servicing to qualified personnel. Attempting to remove the covers or disassemble the product, could expose you to dangerous high voltage points.

## PACKAGE CONTENTS

1. Cameras body of the subject model.
2. Video and power cable are connected to the camera
3. Mounting base ring, extension rings and screws
4. Instruction Manual

## INSTALLATION PRECAUTIONS

1. The installation should be made by qualified service personnel and should confirm to all local regulatory codes.
2. To make a hole on the wall to hide connecting cables, ensure that no service cables, water or gas pipes are buried in the wall before drilling.
3. Select the location where the camera weight can be properly supported and firmly attached the bracket to plywood, gypsum board or plaster board.
4. Avoid the following location for camera installation:
  - a) Near an object that releases a strong magnetic or electric field
  - b) Areas with strong vibrations
5. Incorrect cable connection may cause short circuit, fire or malfunction and even damage the camera
6. Combined weight of any camera, lens and housing must not exceed 9 lbs.

## TROUBLE SHOOTING

### No video image appears

1. Is the video cable connected correctly?
2. Are power source and supply connected correctly?
3. Is the iris of the lens inside the camera set correctly?
4. Is there sufficient illumination?

### Poor image quality

1. Is the lens out of focus?
2. Is the lens dirty?
3. Is the monitor setup correctly?

## COMPLIANCE DECLARATION

This device has been tested and found to comply with the limits for a **CE Class B** digital device.

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. To assure continued compliance follow the attached installation instructions and do not make any unauthorized modifications.

## WARRANTY

The user's warranty will not apply if your serial number has been removed or if the product has been tampered with, disassembled or damaged by misuse, accident, modification or unauthorized repair.

**NOTE: Design and specifications are subject to change without notice. "SONY" is a registered trademark of Sony Corporation, and mentioned herein as for identification purpose only.**

