


ScanDome II™ Controller
HTX-2500
Operation & Programming Manual



Please read this manual thoroughly before use and keep it handy for future reference.

IMPORTANT SAFEGUARDS

1. **READ INSTRUCTIONS** -- All the safety and operating instructions should be read before the appliance is operated.
2. **RETAIN INSTRUCTIONS** -- The safety and operating instructions should be retained for future reference.
3. **CLEANING** -- Unplug video monitor or equipment from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. **ATTACHMENTS** -- Do not use attachments not recommended by the video monitor or equipment manufacturer as they may result in the risk of fire, electric shock or injury to persons.
5. **WATER AND MOISTURE** -- Do not use video monitor or equipment near water -- for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, or the like.
6. **ACCESSORIES** -- Do not place video monitor or equipment on an unstable cart, stand or table. The video monitor or equipment may fall, causing serious injury to a child or adult, and serious damage to the equipment. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.
- 6A. Video monitor or equipment and cart combinations should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart combination to overturn. 
7. **VENTILATION** -- Slots and openings in the cabinet and the back or bottom are provided for ventilation, and to ensure reliable operation of the video monitor or equipment and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the video monitor or equipment on a bed, sofa, rug, or other similar surface. Video monitor or equipment should never be placed near or over a radiator or heat register. Video monitor or equipment receiver should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.
8. **POWER SOURCES** -- Video monitor or equipment 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 supplied to your home, consult your video monitor or equipment dealer or local power company. For video monitor or equipment designed to operate from battery power refer to the operating instructions.
9. **GROUNDING OR POLARIZATION** -- This video monitor may be equipped with a polarized alternating - current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

Alternate Warnings - This video monitor is equipped with a three-wire grounding-type plug, a plug having a third (grounding) pin. This plug will only fit into a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the grounding-type plug.
10. **POWER CORDS** -- Do not allow anything to rest on the power cord. Do not locate video monitor or equipment where the cord will be abused by persons walking on it.
11. **HEED WARNINGS** -- Follow all instructions marked on the video monitor or equipment.
12. **LIGHTNING** -- For added protection for video monitor or equipment 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 antenna or cable system. This will prevent damage to the video product due to lightning and power-line surges.
13. **OVERLOADING** --Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
14. **OBJECT AND LIQUID ENTRY** -- Never push objects of any kind into video monitor or equipment 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 product.
15. **SERVICING** -- Do not attempt to service video monitor or equipment yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
16. **DAMAGE REQUIRING SERVICE** -- Unplug video monitor or equipment from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - A. When the power-supply cord or the plug has been damaged.
 - B. If liquid has 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 damaged.
 - F. When the video product exhibits a distinct change in performance -- this indicates a need for service.
17. **REPLACEMENT PARTS** -- When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.
18. **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.
19. **FIELD INSTALLATION** -- This installation should be made by a qualified service person and should conform to all local codes.

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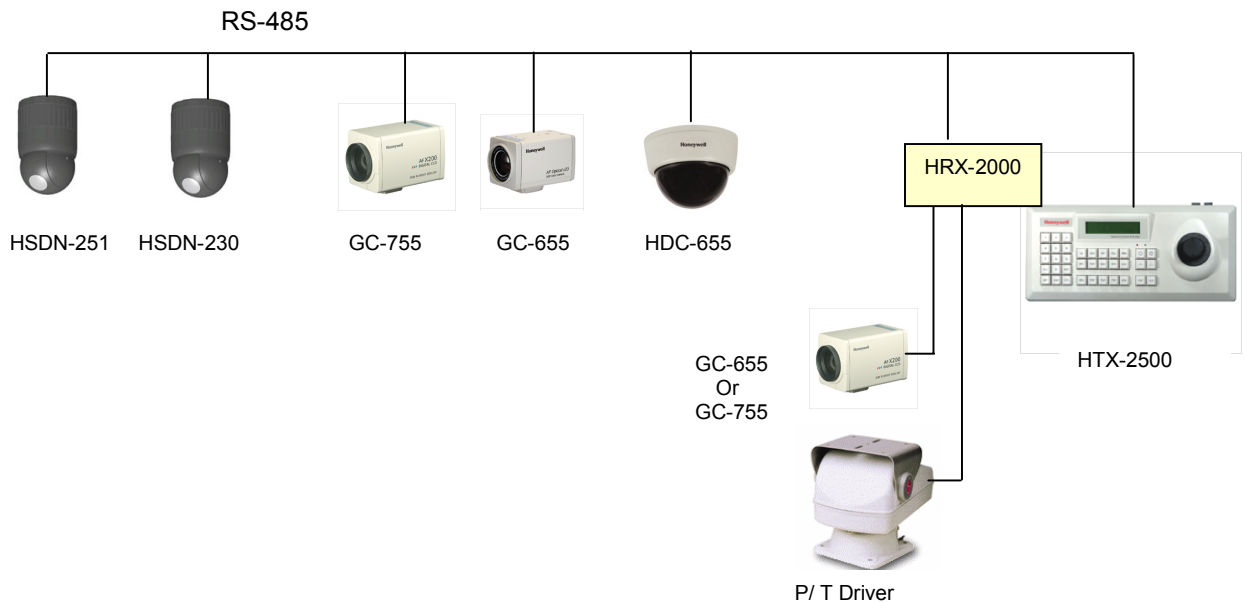
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1. UNPACKING

Unpack the equipment and make sure all listed items are included in the box.

Controller -----	1
Junction box -----	1
3m cable -----	1
Instruction manual -----	1

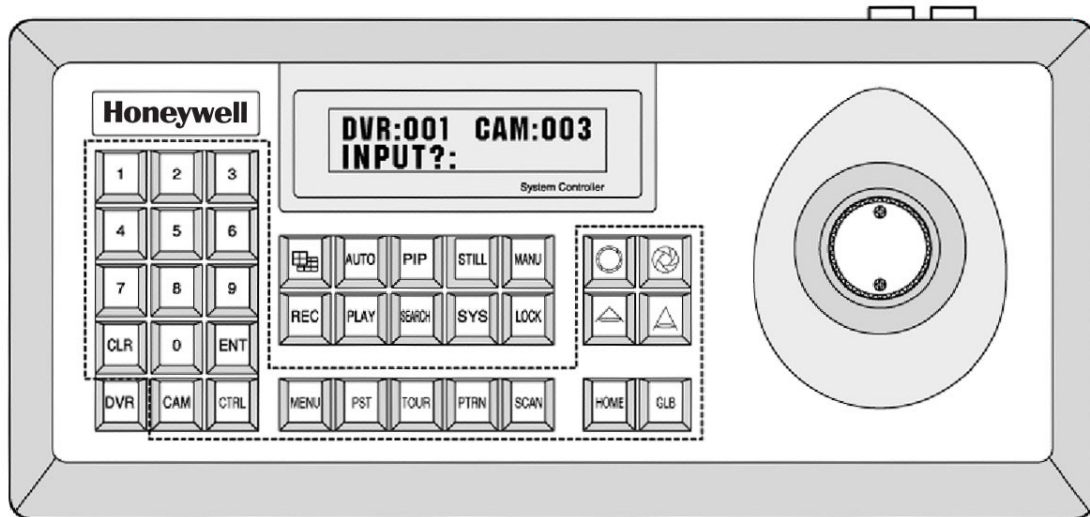
2. System Configuration



3. Installation

- 3-1. Setting camera address or receiver unit.
- 3-2. Connect communication line (RS-485)
- 3-3. The BNC cable to the dome camera housing and appropriate switching device if needed.
- 3-4. Turn on camera and receiver unit power.
- 3-5. Connect 12 VDC to the junction box
- 3-6. Connect the 8-pin multi-wire cable to the controller (HTX-2500) and the junction box.
- 3-7. Connect the 8-pin multi-wire cable to the master and slave controller if needed.

4. Operation



4-1. Set-up

4-1-1. When turn on controller power, the user have to enter a 4-digit password.

ScanDome
Controller

FIRMWARE VERSION
VER X.XX

INPUT PASSWORD
INPUT?

The factory default password is '8888'.

INPUT PASSWORD
CORRECT PASSWORD

4-1-2. After entering password, the user can select the controller mode.

CURRENT STATUS
MASTER MODE

CONFIG ENT:SKIP
MASTER:1 SLAVE:2

Press key "ENT" : Skip (Maintain current mode)

Press Key "1": Master Mode

Press Key "2": Slave Mode

4-1-3. If the user wants to change password, press key “GLB” during 3 seconds.

CHANGE PASSWORD
INPUT?

Enter new password and press “ENT”.

CONFIRM PASSWORD
INPUT?

Conform password and press “ENT”.

CHANGE PASSWORD
CHANGE COMPLETE

4-1-4. When the user forgets password, press key “5” and “LOCK”.
And then the password is initialized “8888”.

4-2. Select Camera Type

Step1: Press Key “555” and Key “GLB”

SELECT ADDRESS
INPUT?

Step2: Input desired camera address and press “ENT”.

1:SD 2:X23 3:X25
INPUT?

Step3:Input “1”, “2”, or “3” according to camera type and “ENT”.

- 1:SD : ScanDome II, Receiver Unit(HRX-2000)
- 2.X23 : x23 AF Zoom Camera(GC-655), x23 AF Dome Camera(HDC-655)
- 3.X25 : x25 AF Zoom Camera(GC-755)

SEL KIND OF CAM
CHANGE COMPLETE

Step4:Repeat Step 1~ 3, if needed.

*Please set camera address refer to the manual.

4-3. Operation

First, you must input address of desired camera, and then press “ENT”.

4-3-1. Pan/Tilt

Move joystick up, down, left, right to control the camera direction.

4-3-2. Zoom In/Out

Twist the joystick count clockwise to zoom out, clockwise to zoom in.

Zoom speed is proportional to rotation of the joystick.

4-3-3. Manual Focus

Press the key "FAR" or "NEAR" to manually focus. When the zoom handle of the joystick is twisted slightly, the camera will return to Auto Focus mode.

4-3-4. Manual Iris

Press the key "OPEN" or "CLOSE" to manually open or close the iris. Move the joystick slightly to return to Auto Iris Mode.

4-3-5. Setting Zoom Camera

- Pressing the MENU key and then SETUP MENU is displayed on the screen.
- Select item of SETUP MENU using up/down joystick.
- Move joystick Left/Right to change value of selected item.
- Press the MENU key again. SETUP MENU is disappeared,

"SAVE?" or "QUIT?" is displayed at center of screen.

If there is no change of adjustment state of Camera,

"QUIT?" is showed, else "SAVE?" is showed.

① "QUIT?" : quit SETUP MENU without saving changed value.

② "SAVE?" : quit SETUP MENU with saving changed value.

4-3-6. Setting Preset, Tour, Pattern, Auto Scan

Set Preset, Tour, Pattern, Auto Scan by pressing MENU and selecting item of menu.

→More detail refer to the manual of ScanDome II.

*Setting Preset of Zoom camera(HDC-655, GC-655, GC-755)

-Zoom in/out to watch desired view.

-Press No and HOME to store preset view.

4-3-7. Call Preset, Tour, Pattern, Auto Scan

To call the number of the desired Preset, Tour, Pattern, Auto Scan, enter the number and press key "PST", "TOUR", "PTRN", "SCAN".

4-3-8. Global

It is possible to cause all cameras to move to preset positions simultaneously.

Enter desired global number and press key"GLB".

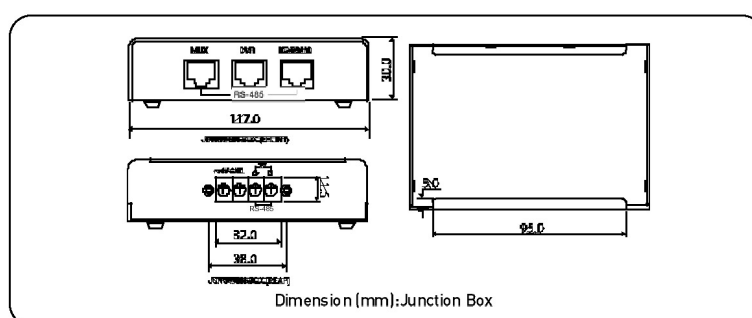
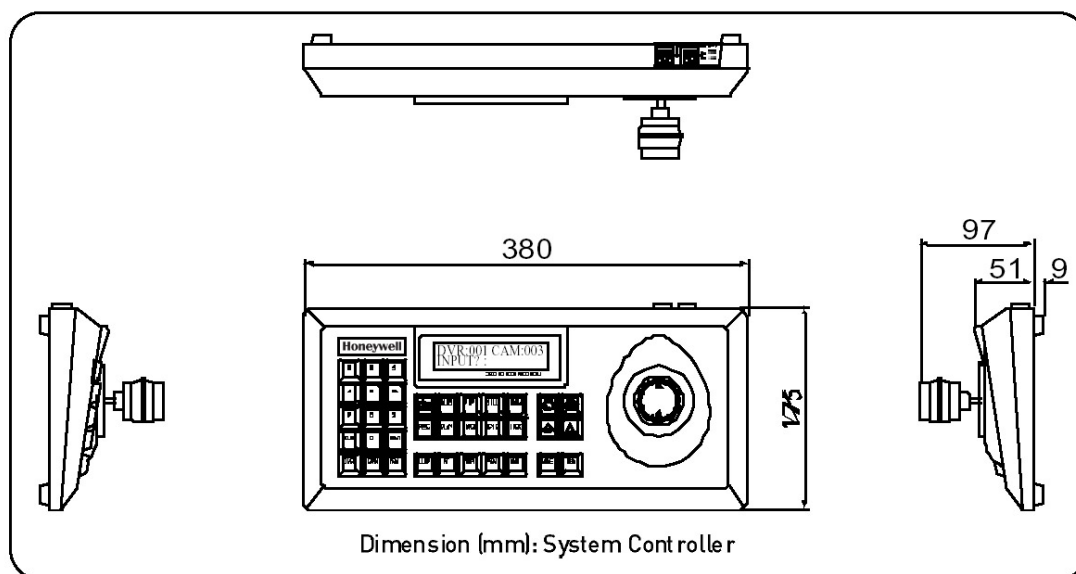
4-3-9. Relay ON/OFF

ON: Press 111~114 and "ENT" to turn on relay of in the ScanDome.

OFF: Press 111~114 and "CLR" to turn off relay of in the ScanDome.

5. Specifications

Communication	RS-485
Supply Voltage	12 VDC, 600mA
Operation Temperature	0°C ~ 50°C (32°F ~ 122°F)
Operation Humidity	0 ~ 90%RH
Storage Temperature	-20°C ~ 60°C (4°F ~ 140°F)



Memo

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