



x39 Analog PTZ Outdoor Wall(Ceiling) Mount Camera

Quick Start Guide

Version 1.01



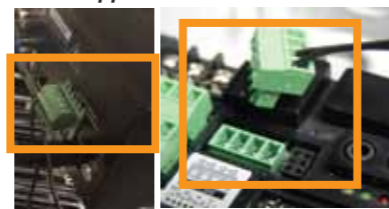
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, 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.

To disconnect power from the mains, pull out the mains cord plug. When install the product, ensure that the plug is easily accessible.

INSTALLATION

Prepare the Camera

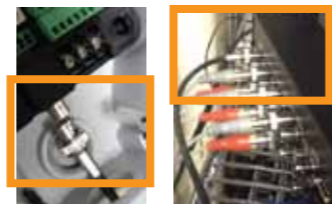
Connect and secure all necessary cables from the inner box to all desired applications



1 Connect the RS-485 wires to a terminal box matching the inner box RS-485 terminals. Connect the other end of the cable to a terminal box matching the DVR or keyboard controller's RS-485 Terminals.



2 Connect AC Power Adapter to the camera's Inner box. Make sure to connect positive and negative lines in their corresponding locations.



3 Connect BNC Coaxial cable to camera's inner box. Connect other end of the BNC cable to a DVR or monitor.

INSTALLATION

Mount the Camera

Using the desired Wall or Ceiling Mount, secure camera's Mounting Box to wall/ ceiling.



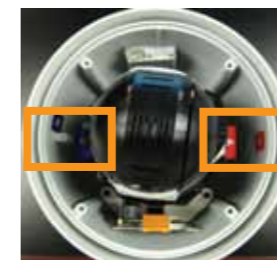
4 Unscrew the top cover of the mounting box and remove the protective plastic to expose the four screw holes



5 Using the mounting box or the mounting template mark on the wall or ceiling the locations for the four bolts.



6 Using a drill, drill four holes for the bolts and secure mounting box to wall/ceiling.



7 Remove PTZ mechanism from the upper housing. To detach mechanism from upper housing, press down and hold both black handles marked 'A' and 'B' on the camera mechanism. Pull both handles up to detach the camera.

If camera model includes the inner box inside the mounting box, make sure all cables remain intact during installation

INSTALLATION



12 Snap the camera mechanism back into the upper housing.



13 Make sure the two black handles marked 'A' and 'B' correspond with the 'A' and 'B' markings on the sides of the upper housing. Note: Before snapping the camera back into the housing, make sure all cables are properly secured.



14 Remove protecting gear from the camera's lens



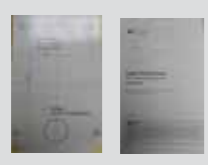
15 Connect the cover dome to the upper housing by securing the safety wire.

PREPARATION

The following items are included with the PTZ camera



Camera Module



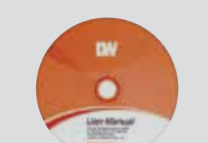
Hole Template PTZ39X Manual



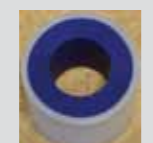
Mounting Box



Upper Housing



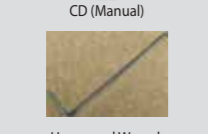
CD (Manual)



Waterproof Tape



Covering Dome



Hexagonal Wrench



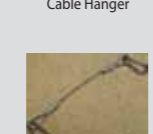
Housing Safety Cable Hanger



Inner Box (Found in the upper housing or mounting box)



Anchor Bolt (4pcs)



Safety Wire

Thank you for purchasing Digital Watchdog's Super Speed Dome PTZ Outdoor Dome Camera. Before installing the camera, please verify your model and read this guide carefully.

INSTALLATION

DIP Switch Setup

Using the DIP Switch in the inner box, setup the camera's Communication Protocol, Joystick Controller, and camera's ID.

Communication Protocol

1 AUTO- Factory Default



2 PELCO-D



3 PELCO-P



4 SAMSUNG



5 PANASONIC



6 GE(Kalatel)



7 AD (American Dynamics)

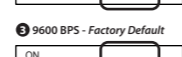


Bit Rate

1 2400 BPS



2 4800 BPS



3 9600 BPS - Factory Default



4 19200 BPS



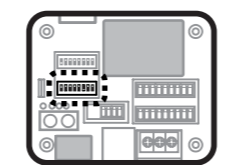
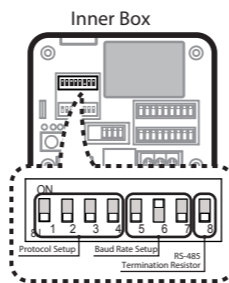
5 38400 BPS



6 76800 BPS



7 153600 BPS



Camera's ID

Using the bottom DIP Switch, setup the camera's ID. By default, the camera's ID is set as 1. Users can select 1~255 IDs by turning switches ON or OFF. Each switch has a numerical value. The camera's ID = the sum of all switches that are turned ON.

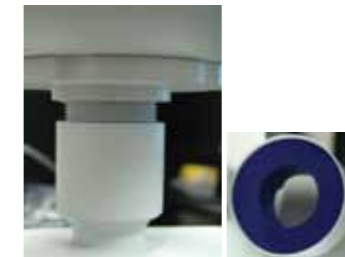
RS-485 Termination Resistor



INSTALLATION



8 Pass the cable connector from the inner box through the upper housing pipe. If inner box is located in the upper housing, connect the desired mounting bracket and run the wires through the bracket.



9 Screw the upper housing to the mounting box/bracket. Turn the upper housing at least seven (7) times to secure a tight connection. For outdoor installation, wind the weatherproof tape around the upper housing's pipe.



10 Hook the safety wire to the safety hook on the upper housing. Using the safety hanger, secure it to the mounting box/bracket.



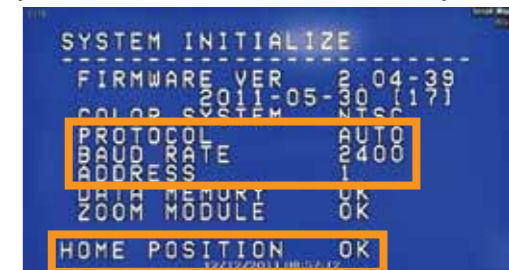
11 Plug cable connector from the inner box to the upper housing.

INSTALLATION

Connect power and initial testing

Connect the camera to the power and make sure it is operating properly.

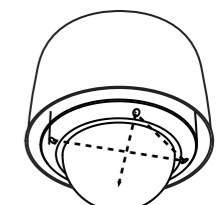
When System Initialize screen appear, take note of the camera's protocol, Baud Rate and Address. This information will be necessary to complete camera's connection to a DVR or Keyboard Joystick.



When setup is complete, Home Position will show OK



17 If no adjustments need to be made to the wiring, place the dome cover on the upper housing.



18 Secure dome to camera by fastening the screws on the dome in the order shown here.

This order of fastening the screws guarantees optimal sealing and protects the camera from weather elements

OSD MENU

Preset 95

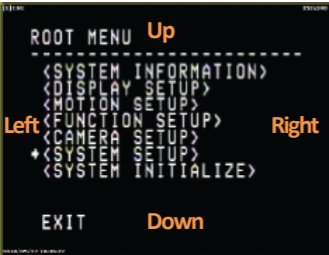
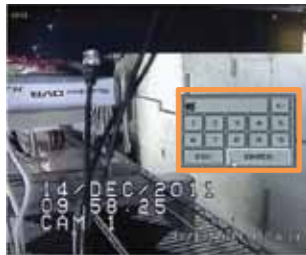
Preset 95 is reserved for starting the camera's OSD menu. For a complete list of all the reserved presets, see the PTZ39X's complete manual or page 14.

Accessing the OSD Menu



1 Select Full Screen view on the selected PTZ camera

2 Right-Click the screen & Select 'PTZ'



4 Enter 95 to access the OSD menu

5 Using mouse, click on area of the screen labeled:
UP: to scroll up the menu
DOWN: to scroll down the menu
Left: Vertically move from one edit tab to the one to its left
RIGHT: Vertically move from one edit tab to the one to its right.

RESERVED PRESETS

Some preset numbers are reserved to special functions.

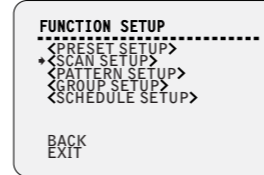
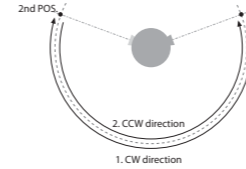
- Preset key + 95: Enters into OSD menu
- Preset key + 131~134: Runs pattern function 1 ~ 4
- Preset key + 141~148: Runs scan function 1 ~ 8
- Preset key + 151~158: Runs group function 1 ~ 8
- Preset key + 161~164: Sets relay 1~ 4 output to ON
- Set key + 161~164: Sets relay 1~ 4 output to ON
- Preset key + 165: Sets auto calibration to ON
- Preset key + 166: Sets auto calibration to OFF
- Preset key + 167: Zoom proportional jog ON
- Set key + 167: Zoom proportional jog OFF
- Preset key + 170: Sets camera BLC mode to OFF
- Preset key + 171: Sets camera BLC mode to HIGH
- Preset key + 174: Sets camera focus mode to AUTO
- Preset key + 175: Sets camera focus mode to MANUAL
- Preset key + 176: Sets camera focus mode to SEMI-AUTO
- Preset key + 177: Sets day & night mode to AUTO
- Preset key + 178: Sets day & night mode to NIGHT
- Preset key + 179: Sets day & night mode to DAY
- Preset key + 190: Sets OSD display mode to AUTO (except privacy mask)
- Preset key + 191: Sets OSD display mode to OFF (except privacy mask)
- Preset key + 192: Sets OSD display mode to ON (except privacy mask)
- Preset key + 193: Sets all privacy mask display to OFF
- Preset key + 194: Sets all privacy mask display to ON
- Preset key + 200: Sets digital zoom to ON
- Preset key + 201: Sets digital zoom to OFF

SCAN SETUP

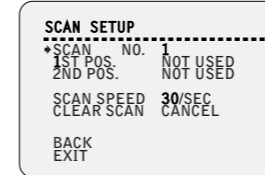
By using the scan function, you can make the camera to move between 2 preset positions repeatedly.

When the scan function runs, the camera moves from the preset assigned as the 1st point to the preset assigned as the 2nd point in CW(Clockwise) direction. Then the camera moves from the preset assigned as the 2nd point to the preset assigned as the 1st point in CCW(Counterclockwise) direction. Users can setup 1-8 different scans.

To setup a scan, at least two (2) presets must be setup.



In the Root Menu, go to Function Setup> Scan Setup

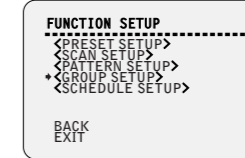


Set up the 2 position for scan function. If a selected preset is not defined, 'UNDEFINED' will be displayed as shown.

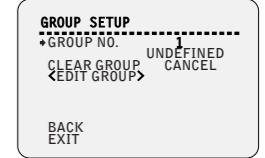
GROUP SETUP

The group function allows you to run sequence of presets, pattern, and/or scans. Maximum 8 group can be stored. Each group can have max 20 actions.

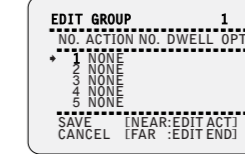
To setup a group, at least 1 preset, 1 scan, 1 pattern must be setup.



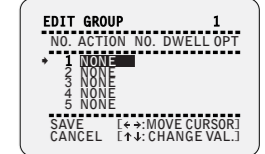
In the Root Menu, go to Function Setup> Group Setup



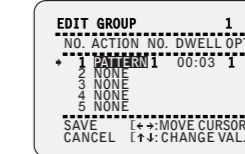
Select the Group you wish to modify. If a group is not defined, 'UNDEFINED' will be displayed as shown.



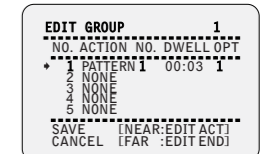
Select the first action in the group. Click with the mouse on the right side of the screen to enter edit mode.



Using the mouse, click on the top and bottom of the screen to scroll down the options. Select from Preset, Pattern, Scan. Click on the right side of the screen to save selection and move to the next tab to the right.



Using the mouse, continue editing the desired information. Enter the action's number, Dwell time between each action, and the number of repetitions under OPT.



When you finish setting up an ACTION, press Near or Enter key to one-upper-level menu. Move to the next action and repeat setup as necessary. When you have completed entering all desired actions, scroll near to save changes, or far to cancel all changes.

OSD MENU



6 To move to a sub-menu Once you have selected the sub-menu you want to enter, scroll the mouse's wheel forward.

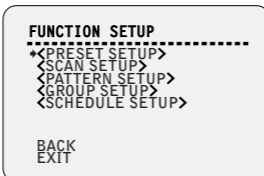


7 To exit a sub-menu When you have completed all desired modifications, scroll the mouse's wheel forward to save changes, or backwards to return to the Root menu and cancel all changes

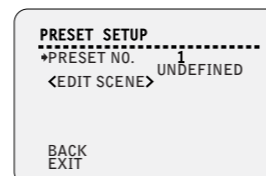
Please consult the manual for further instructions on how to use a computer mouse to operate the OSD Menu

PRESET SETUP

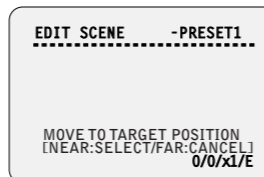
A preset is a pre-defined position for the camera. Users can setup 127 presets (1 ~ 128) excluding 95, which is reserved for menu access. If a selected preset is already defined, the camera will move to the pre-defined position, and preset's information will appear. If a selected preset is not defined, UNIDENTIFIED will appear.



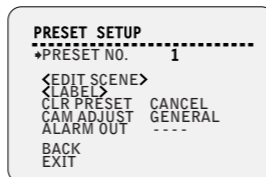
In the Root Menu, go to Function Setup> Preset Setup



Enter the Preset number you wish to modify and select Edit Scene.



Move the camera to the desired position. Using the mouse's wheel, scroll near to save location; scroll far to cancel all changes.

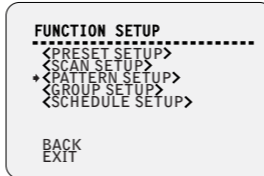


Once a Preset has been setup, users can edit it, change the preset's label, clear the preset's previous selections, adjust the camera's settings, and setup an alarm output.

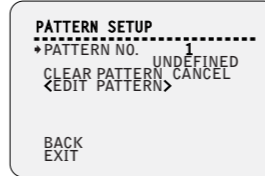
PATTERN SETUP

Pattern function is when a camera memorizes the path (mostly curve path) created by a joystick controller and revives the path exactly as it memorized for an assigned time.

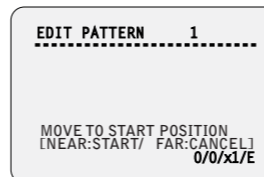
4 patterns are available and maximum 1000 communication commands can be stored in a pattern.



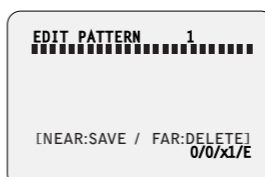
In the Root Menu, go to Function Setup> Pattern Setup



Select the pattern number you wish to setup. If a selected pattern is not defined, 'UNDEFINED' will be displayed as shown.



By using joystick, move the camera to the start position with appropriate zoom. Using the mouse's wheel, scroll near to save and start recording, or far to cancel all changes.

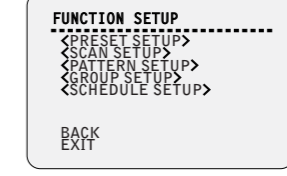


Move the camera using the Joystick controller or the computer mouse in the desired pattern. The total memory size is displayed in the form of a bar. Using the mouse's wheel, scroll near to save pattern, or scroll far to cancel all changes.

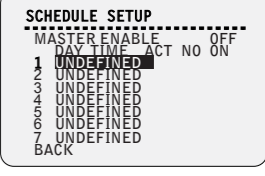
SCHEDULE SETUP

The schedule function allows running an appropriate function like preset, scan, pattern, group, home move at designated day and time.

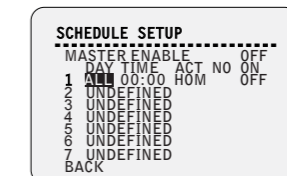
To setup a schedule, at least 1 Preset, 1 scan, 1 pattern, and 1 group should be setup.



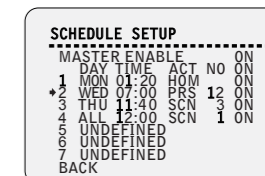
In the Root Menu, go to Function Setup> Schedule Setup



Select the schedule you wish to modify, and using the mouse's wheel, scroll near to enter Edit mode.



Select the days of the week you wish to run at that time. Select from All, WKD (Every day except Saturday and Sunday), or Sun~Sat. When you are done, click on the right corner of the screen to move to the next edit section.



Continue to edit the time of the day, the act you wish to run at that time (home, preset, pattern, scan, group), select the act no for a specific action. When you are complete, to enable the schedule select ON. Using the mouse's wheel, scroll near to save changes or far to cancel. To enable the camera to start running the schedules, make sure the specific schedule is enabled, and also MASTER ENABLE on the top of the screen is ON.