

High Speed Dome Camera

CE-PTZ10X

User Manual

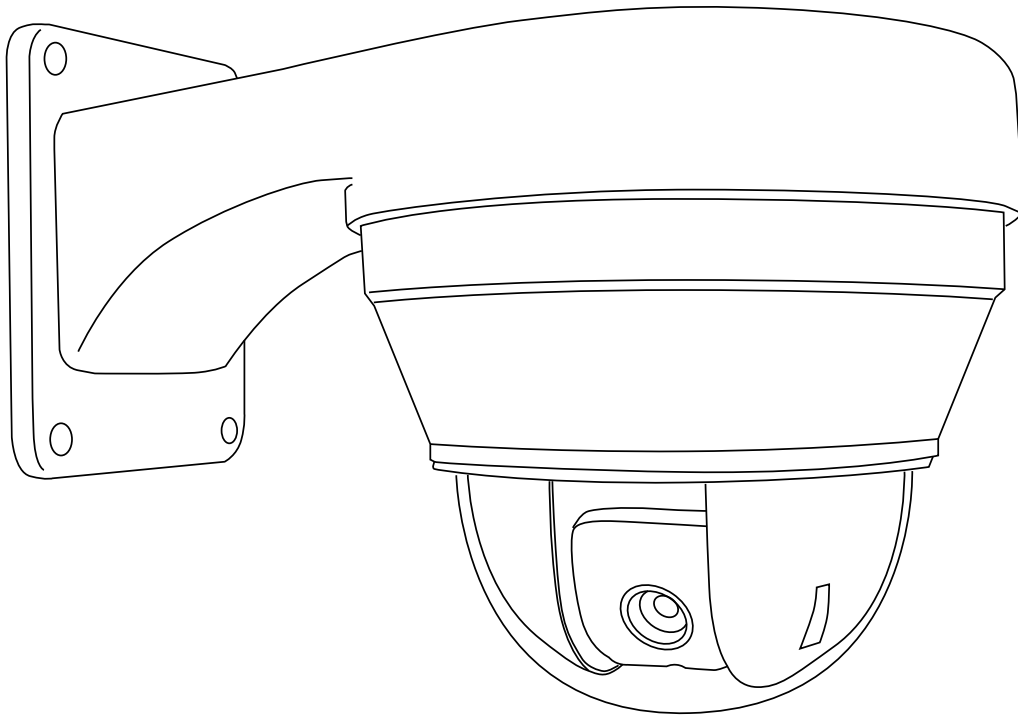


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Introduction

Congratulations on the purchase of your new High Speed Dome Camera. This camera is a full-functional, high-speed pan-tilt-zoom camera in a compact size, enclosed in a dome housing. It is designed for professional surveillance applications, and can be integrated into any surveillance system.

Construction:

- Aluminum-Alloy housing and finishing
- High-precision, machined aluminum construction
- Designed for 24-7 operation
- Stepless and smooth PTZ with micro-processor controlled high-precision mechanism
- 360° endless pan range with 1°-160° per second
- 90° Tilt range with 1°-90° per second and auto flip
- Stabilized image transfer at 1°/s (max. zoom)

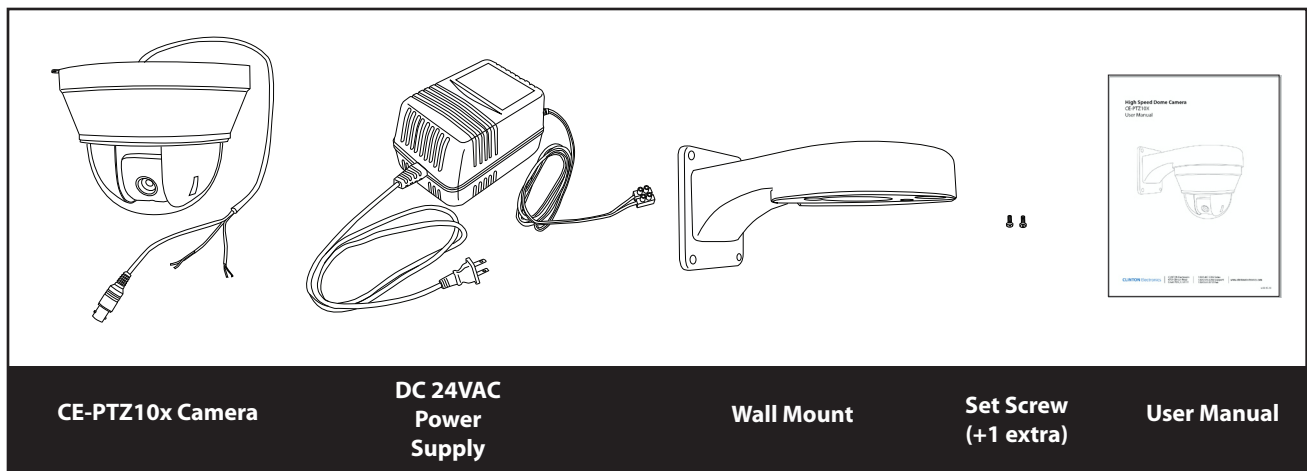
Built-in Camera:

- High-Performance zoom camera with digital signal processing
- High-Resolution with real 540TVL
- High-Sensitivity with SONY Ex-View CCD
- Integrated 10x optical high-speed zoom iris lens
- Auto-Iris function
- Fast auto-focus
- Manually configurable exposure modes
- Privacy masking up to 24 zones

Functions:

- 128 preset points
- 4 preset tour sequences with 32 presets each
- 4 self-learning (pattern) sequences
- 1 scan sequence
- OSD for configuration setup
- RS 485 interface
- Multiple Protocol settings (CLINTON, Pelco-D, Pelco-P)
- Soft-Setup for ID, Baudrate, and Protocol
- Intelligent Thermal-Control with temperature indicator
- Idle-Protection with user definable action

PACKAGE CONTENTS



Installation and Set up

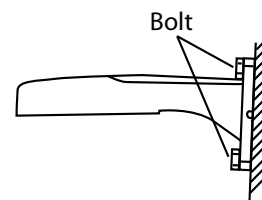
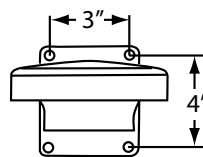
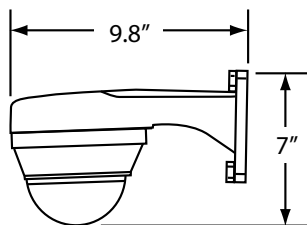
Unpacking your camera

Your PTZ camera comes with a power supply, as well as a wall mount and a small screw to attach the camera to the wall mount (plus one extra screw). Carefully remove the contents from it's packing and set on a firm surface. Save the packing in case of future service requirements or transportation needs.



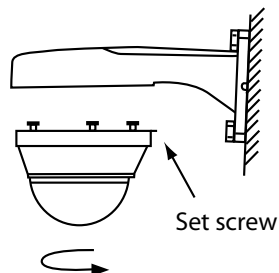
The Transparent cover is sensitive and should be handled with care. Do not touch or rub the surface in any way with the protective foil. Please use a dry cloth to clean the inner and outer surfaces. For contamination, use a natural detergent. Improper cleaning method will cause permanent scratches on the cover and cause unclear image or focusing errors of the camera.

Dimensions



Install the wall mount bracket

Installation



Insert PTZ tabs into mount holes and turn to lock in place

Precautions

For all service or installation needs, please refer to qualified service personnel or system installers

Do not attempt to disassemble the device

To prevent electric shock, do not remove screws or cover. There are no user-serviceable parts inside. Contact qualified service personnel for maintenance

Handle the device with care

Do not strike or shake, as this may damage the device. It should be protected against extreme pressure, vibration, and humidity during transportation and storage. Damages caused by improper transportation may void the warranty.

Do not use strong or abrasive detergents when cleaning the device's body and transparent cover.

Use a dry cloth to clean the device when dirty. When dirt is hard to remove, use a mild detergent and wipe gently.

Do not operate the device beyond its specified temperature or humidity ratings.

Do not use the dome camera in an extreme environment where high temperature or high humidity exists.

Do not point the camera lens directly into sunlight or any strong light source.

This will cause permanent damage to the camera and voids the warranty.

Read this user manual carefully before operating the device

Make sure local electric safety standards are followed when using or installing the appliance.

Do not install the camera in an orientation other than as designed

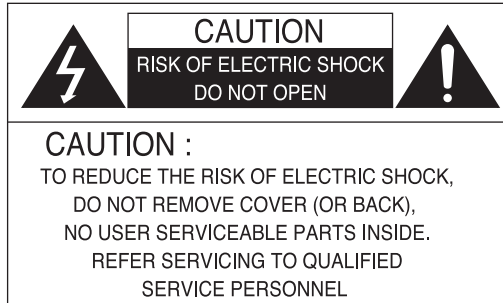
And do not bend or squeeze the device as this may damage the mechanical structure of the device and void the warranty.

Do not touch the cover with bare hands or any object

Doing so may scratch the surface and affect the image quality.

WARNING

TO REDUCE THE RISK OF ELECTRIC SHOCK OR FIRE, SO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECTS THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

FCC COMPLIANCE STATEMENT

FCC INFORMATION: 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.

CAUTION: CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USERS AUTHORITY TO OPERATE THE EQUIPMENT.

CE COMPLIANCE STATEMENT

WARNING: THIS IS A CLASS A PRODUCT. IN A DOMESTIC ENVIRONMENT, THIS PRODUCT MAY CAUSE RADIO INTERFERENCE IN WHICH CASE THE USER MAY BE REQUIRED TO TAKE ADEQUATE MEASURES.

CAUTION: BEFORE ATTEMPTING TO CONNECT OR OPERATE THIS PRODUCT, PLEASE READ THE LABEL ON THE BOTTOM AND USER'S MANUAL CAREFULLY.

Technical specifications are subject to change without prior notice. Manual may contain mistakes or print errors. All trademarks mentioned belong to their respective owners.

Installation

Safety Instructions before starting

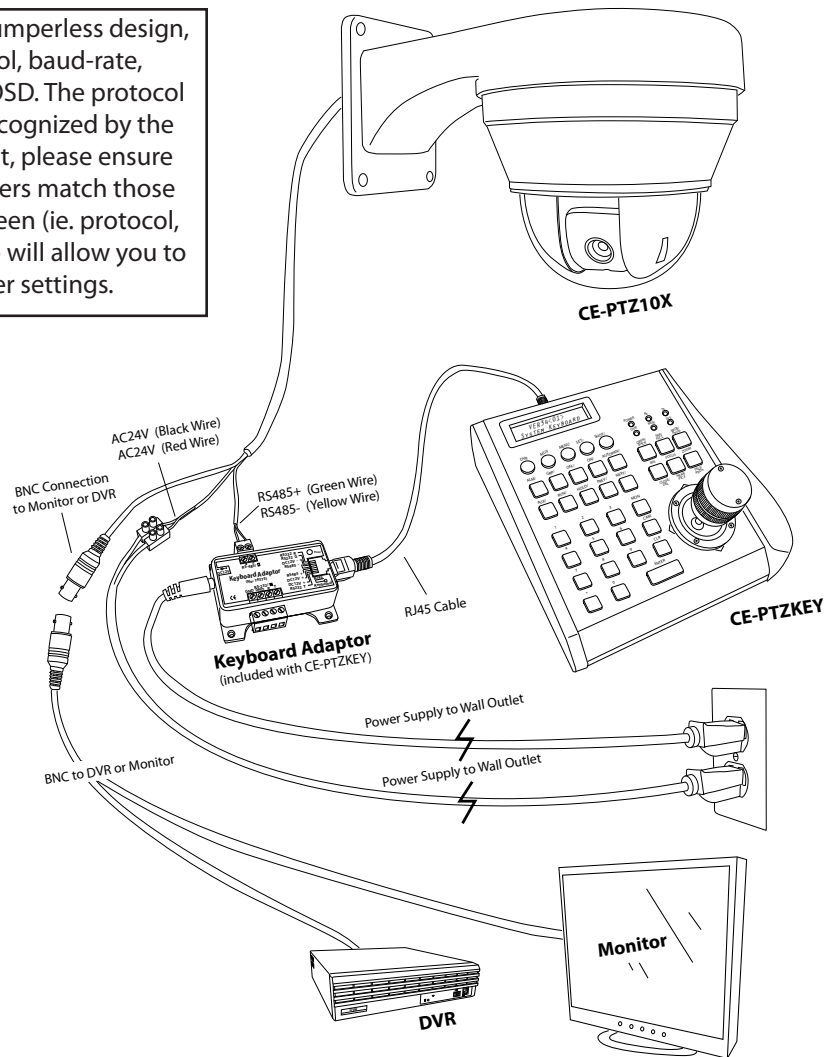
- Do not install and operate this appliance in a flammable and explosive environment.
- Make sure that the installation is done according to the local electricity safety regulations of your country.
- Before installation and maintenance, make sure that the appliance is disconnected from the power source.
- Handle the device during installation carefully. Falls or extreme vibration may cause irreparable damages or void the warranty.
- Do not install or operate the device near any high-voltage devices or high-voltage cable. The safety distance should remain at least 50m.
- To achieve best image quality, its recommended to use underground cable shielded with steel tube. Do not install the cable without any protection.
- In a thunderstorm area or region with high inductive voltage, such as high voltage transformer stations, it is necessary to use additional lightning-proof equipment or lightning rod for protection.
- For outdoor installation, lightning-proof and grounding of the device should be considered. Please refer to the industrial safety regulations of your country.
- Grounding should be considered to eliminate any interference and fulfill the safety requirements. Do not connect the ground with short-circuited or other high voltage electric networks.
- The resistance of down conductor should not exceed 4 Ohms, and its thickness should be at least 25mm².
- This appliance has the lightning-proof function which can prevent damages caused by high-voltage pulse, such as lightning strike below 1500.
- This device meets the Ip66 standards against dust and water. Make sure that the installation is protected from prolonged water droplet/spatter exposure, which can damage the device.
- Make sure that the installation environment meets the requirements of the device, such as weight support, sufficient room for cords, and power supply requirements.

Installation

Connection Schematic

The high speed dome camera series can be connected to various optional accessories through the standard connector types, which simplify the cable handling and avoids possible errors. All accessories are tested for maximum compatibility and best performance.

! This dome has jumperless design, meaning protocol, baud-rate, and ID are to be set in OSD. The protocol can be automatically recognized by the system. For the first start, please ensure your keyboard parameters match those shown on the initial screen (ie. protocol, baud-rate, ID). Doing so will allow you to enter the OSD for further settings.



RS485 Cable-

The telemetric control of the device uses RS485 serial communication with half duplex transmission technology. The transmission distance can vary, depending on cable type, and baud rate. The following table shows maximum distances based on cable with 0,56mm (24AWG) twisted pair:

Baud Rate	Max. Distance
2400 bps	5577ft / 1700m
4800 bps	3609ft / 1100m
9600 bps	2297ft / 700m
19200 bps	1312ft / 400m

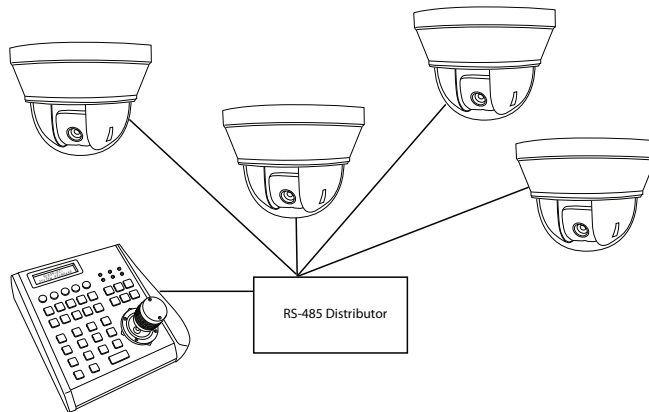
Due to environmental interfaces, such as electromagnetic and induction fields, or number of connected devices on the RS485 bus, or using thinner than 24AWG cable, the transmission range may be less.

Installation

Star-Connection-

The star-form connection is most commonly used. It enables the connection of different dome cameras with longer cable runs. It is recommended to use an RS485 distributor to ensure the telemetric data transmission.

The advantage of the star-connection is that every channel can work independently and can take a cable length up to 3,280 feet (1000 meters) (depending on cable quality). In cases where more dome cameras are installed, the star-connection can be extended with additional RS485 distributors.



Video Cable-

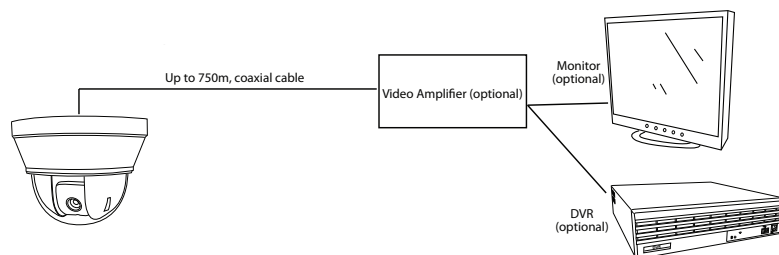
Coaxial cable with 75Ω impedance with copper conductor at center conductor, and shielded with 95% copper. The following table shows different cable type and its maximum length:

Cable Standard	Max. Distance (m / ft)
RG 59 / U	750 ft / 229m
RG 6 / U	1000 ft / 305m
RG 11 / U	1500 ft / 457m

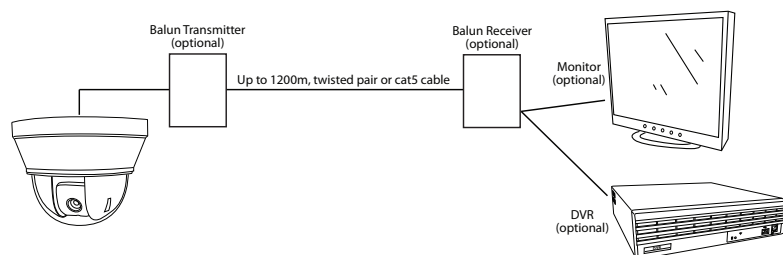
The values are for reference only. Depends on the cable quality and environmental conditions, the transmission distance might be less.

If the cable length is more than 1,312ft (400m), it is recommended to use optional accessories, such as a video amplifier or twisted-pair video converter, for boosting the video signal.

Extend connection distance with video amplifier



Extend connection distance with Twisted-Pair video converter



Basic Operation-

Initial Screen and Self-Testing

After powered on, the dome starts the self-testing by slowly rotating and panning. After the self-test completes the initial information will be displayed on the screen.

S/N:XXXXXXXXXXXXXX	← S/N of the PTZ
CLINTON V2.42	← Software Version
PROTOCOL: CLINTON	← Protocol
DOME ADDRESS: 001	← Dome ID
COMM 9600, N, 8, 1	← Communication Parameter

The initial information will remain on the screen until a button is pressed, joystick is moved, or until "POWER UP ACTION" initiates. See next page on how to show Initial Info within system settings menu, and how to define Power up action.

Open the On-Screen-Display (OSD) Menu

This dome supports OSD menu for simple configuration of device settings. To enter the OSD menu, press [shot] 95 [enter] on the keyboard. Or call the sequence [shot] 9 [enter] twice within 3 seconds. If you encounter troubles, make sure your keyboard settings are correct for the camera you are trying to control, such as the CAM number on your keyboard matching the number assigned to the desired PTZ.

Navigation from keyboard

[IRIS OPEN] Enters the sub menu or confirms a setting

[IRIS CLOSE] Exits the selected menu item or cancels the current setting.

[UP], [DOWN] Move between menu lines, or adjust the selected value.

[RIGHT] Enter a highlighted menu item. (same as [IRIS OPEN])

[LEFT] Moves left or exit the menu item.

System Settings

MAIN MENU

▶ SYSTEM SETTING -->
CAMERA SETTING -->
FUNCTION SETTING -->
WINDOW BLANKING -->
EXIT

SYSTEM SETTING

▶ EDIT DOME LABEL -->
INITIAL INFO -->
DISPLAY SETUP -->
MOTION -->
CLEAR -->
PASSWORD SETUP -->
CLOCK SETTING -->
COMM SETTING -->
BACK
EXIT

EDIT DOME LABEL

▶ LABEL: DOME 1
BACK
EXIT

EDIT DOME LABEL

For multiple domes in a single installation, it may be helpful to assign a name to every dome with location info. Label may contain alphanumeric values up to 16 characters long. Ensure Dome Label is set to "ON"; see Display Setup on pg.12.

- Enter OSD and select SYSTEM SETTING
- Select EDIT DOME LABEL and enter the sub menu
- Select LABEL and enter with [RIGHT] or [IRIS OPEN]
- The input character starts to flash, use [UP] or [DOWN] to select the desired character and [RIGHT] for next input.
- Available characters appear in the following order: "0" to "9", "A" to "Z", ":", " ", "<", ">", "-", {SPACE}
- Use [LEFT] to move to previous character if needed.
- If you need to delete a character, use the {SPACE} character.
- When finished, press [IRIS OPEN] , or use [RIGHT] to move to last character and then navigate to BACK or EXIT to exit the editing mode.
- Select "BACK" to exit to "SYSTEM SETTING" menu.

INITIAL INFO	

S/N: XXXXXXXXXXXXXXXX	
CLINTON V2.42	
PROTOCOL: CLINTON	
DOME ADDRESS: 001	
COMM 9600, N, 8, 1	
BACK	
EXIT	

INITIAL INFO

Shows the serial number, current firmware version and other settings.

[BACK]: Move to previous screen

[EXIT]: Exit the OSD

DISPLAY SETUP	

DOME LABEL	OFF
PRESET LABEL	OFF
ZOOM LABEL	OFF
ZONE LABEL	OFF
DIRECTION LABEL	OFF
TEMPERATURE LABEL	OFF
TIME LABEL	OFF
DATE LABEL	OFF
BACK	
EXIT	

DISPLAY SETUP

Customize the labels shown on the OSD

[DOME LABEL]: Shows dome label name on OSD

[PRESET LABEL]: Shows the current preset label on OSD (see pg.15; "Preset")

[ZOOM LABEL]: Shows magnification setting on OSD

[ZONE LABEL]: Shows current zone (must first be set up: see pg.17; "Zones")

[DIRECTION LABEL]: Shows current direction on OSD: Displayed as (Pan: 0°-359°, Tilt: 0°-90°)

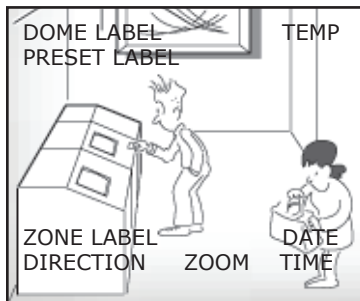
[TEMPERATURE LABEL]: Shows current temperature inside dome on OSD

[TIME LABEL]: Shows current time on OSD. Displayed as Year/Month/Day.

[DATE LABEL]: Shows current date on OSD. Displayed as 24 hour clock.

[BACK]: Move to previous screen (doing so will save your changes to display setup)

[EXIT]: Exit the OSD (doing so will save your changes to display setup)



MOTION	

AUTO FLIP	OFF
PROPORTION PAN	OFF
PARK TIME	000
PARK ACTION	NONE
POWER UP ACTION	NONE
FAN ENABLED	113
BACK	
EXIT	

MOTION

The motion control includes the setting for Park Time action and other features.

[AUTO FLIP]: Disabling this function will limit the tilt range to 90 degrees only

[PROPORTIONAL PAN]: Pan speed adjusts accordingly to the zoom ratio. The more the operator zooms in, the slower the pan speed. The Park Time speed will be adjusted accordingly.

[PARK TIME]: Sets the idle time in minutes, until [PARK ACTION] is activated.

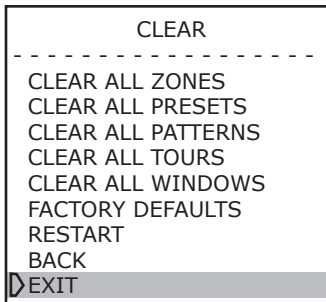
[PARK ACTION]: You can select an action that will be started after certain idle time, such as preset, tour or pattern. Select NONE to disable the function.

[POWER UP ACTION]: Instructs the dome to start a predefined action when system boots up and completes the self test. This could be helpful to restore the observation after power loss.

[FAN ENABLED]: Sets the temperature limit for the internal cooling fan to start.

[BACK]: Move to previous screen (doing so will save your changes to motion)

[EXIT]: Exit the OSD (doing so will save your changes to motion)



CLEAR

The CLEAR function resets the stored settings and controls back to factory default.

***NOTE: Pressing Right with the joystick will activate the following functions. There are no sub menus to these functions. You cannot undo the action.**

[CLEAR ALL ZONES]: Clear set zones

[CLEAR ALL PRESETS]: Clear all stored preset positions

[CLEAR ALL PATTERNS]: Clear all stored pattern tours

[CLEAR ALL TOURS]: Clear all tours

[CLEAR ALL WINDOWS]: Clear all privacy masking settings

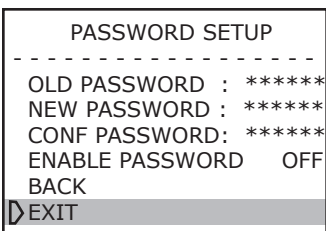
**[FACTORY DEFAULTS]:* Reset all settings and return to factory settings

[RESTART]: Restarts the system, used after resetting factory defaults

[BACK]: Move to previous screen

[EXIT]: Exit the OSD

***NOTE: After using the FACTORY DEFAULTS option, all system settings and stored information, such as presets, tour, or patterns will be permanently erased. Please make sure this is your intention before selecting this option.**



PASSWORD SETUP

In password-settings menu, you can change the password, and enable/disable the password protection function. The password function can prevent unauthorized access to the OSD and changes to the settings. It consists of a 6 digit number from 0-9, and can be disabled if so desired.

1. To modify the password, you must input the old password. The default password is 000000.
2. Enter a new password.
3. Enter the new password again in [CONF PASSWORD] to confirm.

To set the password, move left/right to select a digit, and up/down to change the number. When finished, press [IRIS OPEN] on the keyboard, or move the cursor right to save the settings.

A "SUCCESS" message will appear on screen when changes are saved, or your submission is correct. An "ERROR" message will appear on screen when an incorrect password is entered.

CLOCK SETTING	
TIME	13:44:30
DATE	10/03/31
BACK	
EXIT	

CLOCK SETTING

The system is equipped with a RTC (Real-Time Clock) and can be used to display the date/time information on the screen, or operated via schedule (see pg.18; "Time Running"). In order to use this function correctly, you must first set up the date and time.

[TIME]: Change the time setting. Displayed as 24hr clock.

[DATE]: Change the date setting. Displayed as Year/Month/Day.

[BACK]: Move to previous screen (doing so will save your changes to clock setting)

[EXIT]: Exit the OSD (doing so will save your changes to clock setting)

COMM SETTING	
S/N: XXXXXXXXXXXXXXXX	
CONF:XXXXXXXXXXXXXXXX	
SITE ID	001
COMM SPEED	9600bps
PROTOCOL	CLINTON
BACK	
EXIT	

COMM SETTING

To edit settings for Site ID, baudrate, and protocol, you must first unlock these settings by entering the serial number again into the [CONF] field. Protocol setting can be detected automatically.

Camera Settings

In this section, the camera and image related functions can be set.

MAIN MENU	
SYSTEM SETTING -->	
CAMERA SETTING -->	
FUNCTION SETTING -->	
WINDOW BLANKING -->	
EXIT	

[ZOOM SPEED]: Zoom-in speed

[DIGITAL ZOOM]: Besides the optical zoom, this PTZ is equipped with digital image enlargement, known as digital zoom. When off, only the optical zoom will be available.

[BLC MODE]: Backlight compensation mode. Use this option when the observed object has a strong backlight such as sunlight, or other light source.

[SLOW SHUTTER]: The slow shutter allows a higher sensitivity by exposing the image sensor a longer period of time, useful when observing objects do not have much movement.

[ADVANCED SETTING]: Enters the advanced settings sub-menu for the camera.

[AE MODE]: Activate auto-exposure mode for various exposure methods for different environments:

- SHUTTER MODE: In shutter mode, the camera changes the shutter speed to regulate light.
- IRIS MODE: Regulate the iris-opening to control the exposure.
- BRIGHTNESS: Regulate the exposure by changing the brightness control
- AUTO: Automatically regulates the exposure modes.

[WB MODE]: The camera supports Auto, Manual, ATW, OPW, Outdoor, and Indoor modes of White Balance, which chooses the correct color of the image.

***NOTE: R gain and B gain are only editable in Manual mode.**

- R GAIN: Regulates the red elements in the image color
- B GAIN: Regulates the blue elements in the image color

CAMERA SETTING	
ZOOM SPEED	HIGH
DIGITAL ZOOM	ON
BLC MODE	OFF
SLOW SHUTTER	OFF
ADVANCE SETTING -->	
BACK	
EXIT	

CAMERA SETTING	
ZOOM SPEED	HIGH
DIGITAL ZOOM	ON
BLC MODE	OFF
SLOW SHUTTER	OFF
ADVANCE SETTING -->	
BACK	
EXIT	

ADVANCE SETTING	
AE MODE	AUTO
SHUTTER	N/A
IRIS	N/A
BRIGHT	N/A
WB MODE	AUTO
R GAIN	N/A
B GAIN	N/A
BACK	
EXIT	

Function Settings

MAIN MENU	

SYSTEM SETTING -->	
CAMERA SETTING -->	
FUNCTION SETTING -->	
WINDOW BLANKING -->	
EXIT	

FUNCTION SETTING	

PRESETS -->	
SCAN -->	
PATTERNS -->	
TOUR -->	
ZONES -->	
TIME RUNNING -->	
BACK	
EXIT	

PRESETS	

PRESET NUMBER	001
SET PRESET -->	
SHOW PRESET	
CLEAR PRESET	
EDIT PRESET LABEL -->	
BACK	
EXIT	

In the function settings, user can setup the automated PTZ functions, such as preset position, tours, scan, etc. These functions may become very useful for your surveillance application.

PRESET

Preset point is a position of PTZ which can be memorized by the device and be recalled immediately, if needed. Up to 128 preset points are supported. Quickly recall a preset using the keyboard by pressing "SHOT", the desired preset #, then "ENTER". ***NOTE: Assigning #95 to a preset will result in an error, as this number is used to call up the System Settings OSD Menu.**

[PRESET NUMBER]: Selected preset position

[SET PRESET]: Setup the preset position. Enter this menu, move the PTZ to desired position, and press [IRIS OPEN] to store, or [IRIS CLOSE] to discard.

[SHOW PRESET]: This will show the current preset defined in [PRESET NUMBER]

[CLEAR PRESET]: This will delete the current preset defined in [PRESET NUMBER]

[EDIT PRESET LABEL]: Assign a name to the current preset position defined in [PRESET NUMBER]. This label will show on the screen when called up. "Preset Label" must be set to "ON" for label to appear on-screen. See pg 12; "Display Setup".

[BACK]: Move to previous screen (doing so will save your changes to presets)

[EXIT]: Exit the OSD (doing so will save your changes to presets)

SCAN	

SCAN NUMBER	01
SCAN SPEED	50
SET LEFT LIMIT -->	
SET RIGHT LIMIT -->	
CLEAR SCAN	
RUN SCAN	
EDIT SCAN LABEL -->	
BACK	
EXIT	

SCAN

A Scan-Tour is an automated Pan movement between 2 defined positions with speed setting. The scan will move from the defined Left limit, to the defined Right limit in a straight path, and back again. If you wish to have your PTZ follow a more advanced path, use one of the next two selections: "PATTERN", or "TOUR".

[SCAN NUMBER]: Current scan number

[SCAN SPEED]: Define the scan speed

[SET LEFT LIMIT]: Define the left point of the scan tour. To define, enter the selection and move the PTZ to desired position. Use [IRIS OPEN] to store or [IRIS CLOSE] to discard.

[SET RIGHT LIMIT]: Define the right point of the scan tour. To define, enter the selection and move the PTZ to desired position. Use [IRIS OPEN] to store or [IRIS CLOSE] to discard.

[RUN SCAN]: This will run the current scan defined in [SCAN NUMBER]

[CLEAR SCAN]: This will erase the current scan defined in [SCAN NUMBER]

[EDIT SCAN LABEL]: Assign a name to the current scan defined in [SCAN NUMBER]

[BACK]: Move to previous screen (doing so will save your changes to scan)

[EXIT]: Exit the OSD (doing so will save your changes to scan)

PATTERNS	

PATTERN NUMBER	001
PROGRAM PATTERN -->	
RUN PATTERN	
CLEAR PATTERN	
EDIT PATTERN LABEL -->	
BACK	
EXIT	

PATTERN

A pattern-tour is a custom tour defined by recording the user's actions up to 180 seconds per tour. This camera can support up to 4 pattern tours.

[PATTERN NUMBER]: Current pattern number

[PROGRAM PATTERN]: Record the pattern tour. Enter this menu to start the tour recording, when finished, press [IRIS OPEN] to store.

[RUN PATTERN]: This will run the current pattern defined in [PATTERN NUMBER]

[CLEAR PATTERN]: This will erase the current pattern defined in [PATTERN NUMBER]

[EDIT PATTERN LABEL]: Assign a name to the current pattern defined in [PATTERN NUMBER]

[BACK]: Move to previous screen (doing so will save your changes to pattern)

[EXIT]: Exit the OSD (doing so will save your changes to pattern)

TOUR	

TOUR NUMBER	001
EDIT TOUR -->	
RUN TOUR	
CLEAR TOUR	
BACK	
EXIT	

TOUR

A Tour is an automated cruising through selected preset positions with individual speed settings and dwell times. This PTZ supports up to 4 tours with 24 positions each. ***NOTE: Before a tour can be properly set up, you must first define your preset points you wish to include in the tour (see page 16 "Presets").**

A tour sequence will repeat until interrupted by a movement of the joystick after it reaches a preset point, or until another command is entered (ie. [SHOT]95[ENTER] to enter menu).

[TOUR NUMBER]: Current tour number

[EDIT TOUR]: Edit the current selected tour as defined in [TOUR NUMBER]

Tour Editing:

PO: The preset position being included in the tour. If there is no preset position stored, please exit, and define presets before continuing.

S: The speed in which the PTZ moves to this preset. The value is between 1 (slow)-8 (fast).

TM: The dwell time before the PTZ moves to the next point. Given in seconds. (Up to 60 sec.)

EDIT TOUR		
PO-S-TM	PO-S-TM	PO-S-TM
00-0-00	00-0-00	00-0-00
00-0-00	00-0-00	00-0-00
00-0-00	00-0-00	00-0-00
00-0-00	00-0-00	00-0-00
00-0-00	00-0-00	00-0-00
00-0-00	00-0-00	00-0-00
00-0-00	00-0-00	00-0-00
00-0-00	00-0-00	00-0-00
00-0-00	00-0-00	00-0-00
BACK		
EXIT		

[RUN TOUR]: This will run the current tour defined in [TOUR NUMBER]

[CLEAR TOUR]: This will erase the current tour defined in [TOUR NUMBER]

[BACK]: Move to previous screen (doing so will save your changes to tour)

[EXIT]: Exit the OSD (doing so will save your changes to tour)

ZONES	

ZONE NUMBER	001
SET LEFT LIMIT -->	
SET RIGHT LIMIT -->	
CLEAR ZONE	
EDIT ZONE LABEL -->	
BACK	
EXIT	

ZONES

The zone function allows user to define a perimeter with a name tag. The perimeter is defined by setting a Left, and Right end of a desired area. When the camera enters this area, the name will be displayed on the screen, which provides better orientation in surveillance applications. Up to 8 zones are supported. Make sure "Zone Label" is set to "ON" in Display Setup; see pg12.

[ZONE NUMBER]: Current zone number

[SET LEFT LIMIT]: Define the left point of the zone

[SET RIGHT LIMIT]: Define the right point of the zone

[CLEAR ZONE]: This will erase the current zone defined in [ZONE NUMBER]

[EDIT ZONE LABEL]: Assign a name to the current zone defined in [ZONE NUMBER]

[BACK]: Move to previous screen (doing so will save your changes to zones)

[EXIT]: Exit the OSD (doing so will save your changes to zones)

TIME RUNNING	

TIME CHANNEL	1
START TIME	00:00
END TIME	00:00
RUNNING	NONE
BACK	
EXIT	

TIME RUNNING

The time running function is a scheduled start for predefined action, such as preset tour, scan tour, etc. This PTZ supports up to 4 schedules. Before setting this function, please make sure that the system time has been set correctly (see clock setting; pg14)

[TIME CHANNEL]: Current schedule number

[START TIME]: Start time of selected schedule as defined in [TIME CHANNEL]

[END TIME]: End time of selected schedule as defined in [TIME CHANNEL]

[RUNNING]: Define the action to be started. Select None to deactivate the function.

[BACK]: Move to previous screen (doing so will save your changes to time running)

[EXIT]: Exit the OSD (doing so will save your changes to time running)

Window Blanking

WINDOW BLANKING	

WINDOW NUMBER	01
EDIT WINDOW -->	
ENABLE WINDOW	ON
CLEAR WINDOW	
BACK	
EXIT	

The Window Blanking function is used to protect the privacy in the observed area, as this may be required by law for certain applications. It is also known as "Privacy Masking", which covers the selected area with a blank window. This PTZ supports up to 25 masking windows.

[WINDOW NUMBER]: Current window number

[EDIT WINDOW]: Edit the current masking window as defined in [WINDOW NUMBER]

1. Center the area you wish to mask on the screen by using the joystick.
2. Press iris open to enter window blanking edit.
3. Use the [UP], and [DOWN] movements to increase or decrease the height of the window mask.
4. Use [LEFT], or [RIGHT] to decrease or increase the width of the window mask.
5. Press [IRIS OPEN] to save the mask.

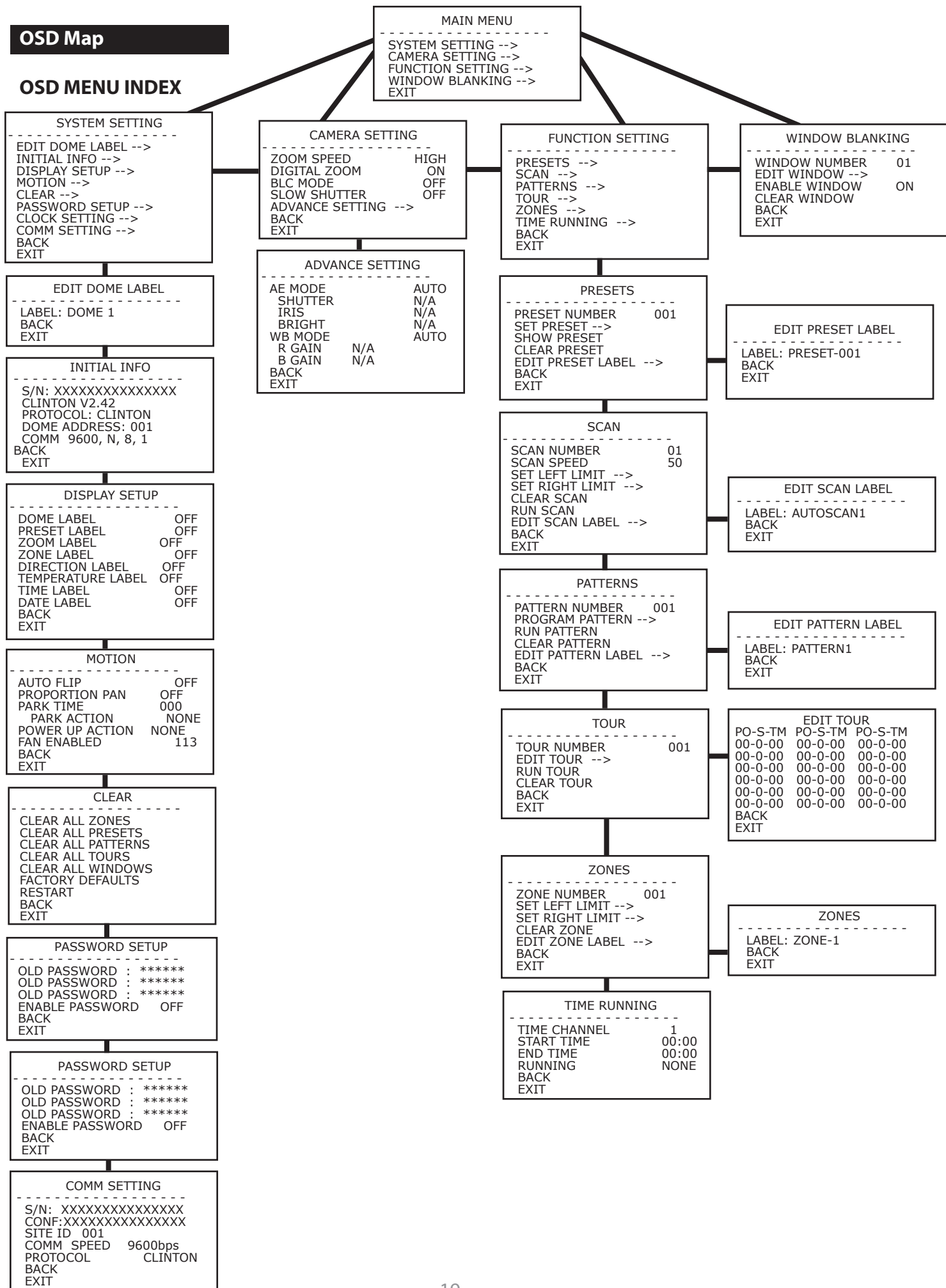
[CLEAR WINDOW]: Clear the current masking window as defined in [WINDOW NUMBER]

[BACK]: Move to previous screen (doing so will save your changes to time window blanking)

[EXIT]: Exit the OSD (doing so will save your changes to window blanking)

OSD Map

OSD MENU INDEX



Specifications

Model	CE-PTZ10X
Signal Format	PAL / NTSC
Scanning	Progressive
Image Sensor	1/4 inch Ex-View CCD
H. Resolution	540 TVL
Viewing Angle	46.0 ° (Wide end) 4.6 ° (Tele end)
Zoom	10 x Optical / 12 x Digital
Min. Illumination	1.0Lx (typical) - (F1.8, 50 IRE)
Focus	Auto / Manual
White Balance	Auto / Manual (ATW, Indoor, Outdoor, One Push WB, Manual WB)
Shutter Speed	1 to 1/10,000 Sec. 22 steps
Iris Control	Auto / Manual / Auto Slow Shutter
Gain Control	Auto / Manual (-3 to 28 dB, 2 dB steps)
Video Output	VBS: 1.0Vp-p (Sync Negative), Y / C Output
S/N Ratio	More than 50 dB
Pan Speed	0.4 ° - 300 ° per Sec.
Tilt Speed	0.4 ° - 150 ° per Sec.
Pan Range	360 °
Tilt Range	0 - 90 °
Communication	RS-485, multiple-protocol, coax
Preset Positions	128 Presets
Auto Pan	Yes, between 2 presets
Tour / Sequence	4 progr. Tours with max 32 presets / 4 Patterns up to 180s
Privacy Mask	24 Position / 8 Position per Screen
Operating Temp.	Outdoor: -40 °F to 140°F / Indoor: 14°F to 122°F
Power	DC 12V / AC 24V

If you have trouble operating your camera and the guidelines in this manual do not enable you to solve the problem, contact Clinton Electronics Technical Support at 1-800-549-6393 or 815-633-1444.



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