

# XCLEAR

**THE WORLD'S ONLY PATENTED  
SELF-WIPING, SELF-CLEANING  
OUTDOOR CAMERA ENCLOSURE**



**SIMPLY THE WORLD'S MOST INNOVATIVE CAMERA ENCLOSURE SYSTEM**

## ENGINEERED FOR ALL CONDITIONS

- ▶ Built To Withstand Severe Weather And Extreme Environmental Demands
- ▶ Hot, Cold, Wet/Rainy, Salty Ocean Air, Grime, Bugs, Blowing Dust
- ▶ Nearly Indestructible Polycarbonate Construction - No Rust Or Corrosion

## COMPREHENSIVE AND CUSTOMIZABLE

- ▶ Integrated Network Switch With PoE+ And 24VDC Passive PoE Ports
- ▶ Remotely Controlled Accessory Power Ports - [2] 12VDC And [2] 24VDC
- ▶ Integrate NVRs, Encoders, Routers And More With Built-In Accessory Rails
- ▶ Extended Volume (EV) Option Adds 520in<sup>3</sup> Of Integration-Ready Space

## REMOTELY MONITOR AND CONTROL

- ▶ Remotely Monitor And Control The Enclosure Via The Web Or API
- ▶ Manually Trigger Or Schedule Automated Dome Wash/Wipe Events
- ▶ Power On/Off - 12VDC, 24VDC, PoE+ And 24VDC Passive PoE Ports
- ▶ Monitor Internal And External Temps, Fluid Levels And Power Loads
- ▶ Fine Tune And Adjust Internal Climate Settings
- ▶ Customize Dome Wash And Wipe Settings

## ECONOMICAL, PRACTICAL, SMART

- ▶ No More Ladders Or Awkward Fiberglass Dome Cleaning Devices
- ▶ No Need To Schedule And Deploy Expensive Cleaning Crews
- ▶ No More Staring at Poor Image Quality Caused By Dirty Dome Lenses
- ▶ Eliminate The Risk Of Workplace Employee Injuries
- ▶ Painless Installation With Wall Mount Bracket (Standard) Or Pole Mount Adapter
- ▶ Power The Enclosure System Via AC Or DC

## INTEGRATE VIRTUALLY ANY CAMERA

- ▶ Compatible With Almost All Cameras With A PT Head Under 7 Inches In Diameter
- ▶ 30-Watt PoE+, 12VDC And 24VDC Web-Enabled Accessory Power Ports



**THE  
CLEAR IMAGE  
DIFFERENCE**  
SELF-CLEANING CAMERA DOME

US PATENT #8567963B1



**AXIS**  
COMMUNICATIONS

**SAMSUNG**

**ahua**  
TECHNOLOGY

**Hanwha**

**SONY**

**BOSCH**

**IC REALTIME**  
Security Solutions

**Arecont Vision**

**Canon**

**OOO OPTICS**

**BOLIN**  
TECHNOLOGY

**MOBOTIX**

**Panasonic**

**BirdDog**

**AVIGILON**  
a Motorola Solutions Company

**HIKVISION**

**EXPERIENCE THE CLEAR IMAGE DIFFERENCE™**

**HARDWARE**  
**DURABLE. ROBUST.**  
**CONVENIENT.**

## X/CLEAR ENCLOSURE

Nearly Indestructible Polycarbonate Enclosure - Protect Your Camera And Integrated Components

### XJSMART SYSTEM TRAY

- ▶ Versatile Power Options, Integrated Networking, Climate Control And Remote Control Via Web Interface

### INTEGRATED HEAT

- ▶ 20-Watt Integrated Heating Element (Optional 50-Watt Upgrade)
- ▶ Combats Moisture and Condensation
- ▶ Keeps Components Within Operating Temperatures

### INTUITIVE INTEGRATION

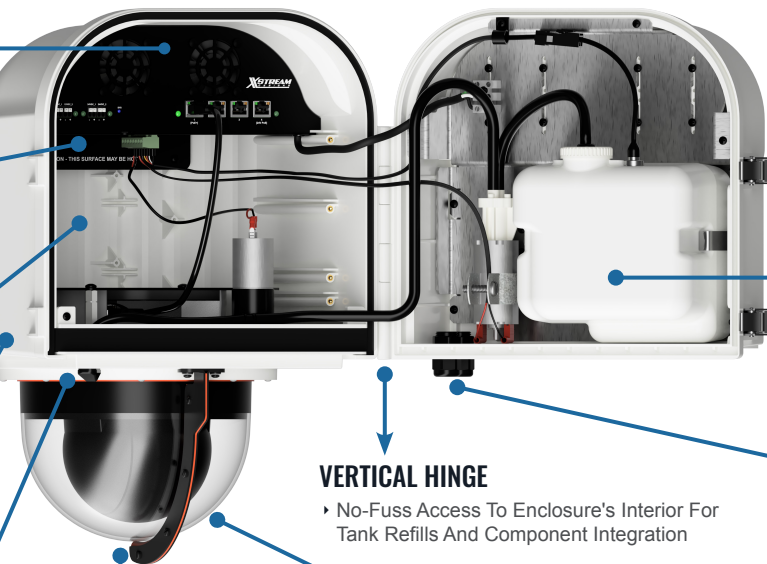
- ▶ Easily Integrate NVRs, Routers, Encoders And Other Peripherals
- ▶ Accessory Mounting Rails For Easy Installation

### POLYCARBONATE MATERIAL

- ▶ Non-Thermally Conductive
- ▶ Durable And Protective
- ▶ Doesn't Rust, Will Not Corrode

### CLEANING FLUID SPRAY NOZZLE

- ▶ Coats Dome Lens With Cleaning Fluid Prior To Wiper Contact To Protect From Scratches



### STAINLESS STEEL LATCHES

- ▶ Secure The Enclosure While Resisting Rust And Corrosion
- ▶ Padlock-Compatible To Protect Your Equipment

### INTERNAL FLUID RESERVOIR

- ▶ Holds 58oz Of Cleaning Fluid
- ▶ Yields Up To 150 Washes (Based On Settings)

### VERTICAL HINGE

- ▶ No-Fuss Access To Enclosure's Interior For Tank Refills And Component Integration

### INTELLIGENT CABLE INGRESS

- ▶ Reduce The Risk Of Water Intrusion With Cable Entry From Below

### SELF-CLEANING CAMERA DOME

- ▶ Rotates Against A Fixed Wiper Blade To Clear Dome Of Water Drops Or Residue
- ▶ Reduces Risk Of Image-Obscuring Dome Scratches From Manual Cleaning

### VERSATILE CAMERA INTEGRATION

- ▶ Compatible With Almost All Cameras With A PT Head Under 7" In Diameter
- ▶ Easy Camera Height Adjustment With The Included 10-32 3/8" Hex Standoffs
- ▶ Integrated Camera Power Options: PoE+, 12VDC or 24VDC

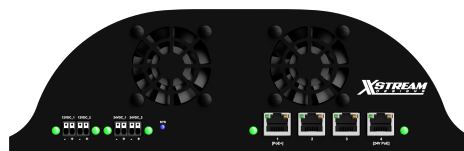


### SIMPLE AND SECURE MOUNTING



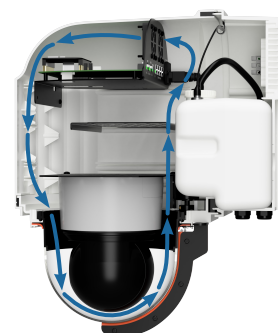
- ▶ Durable Polycarbonate Wall Mount Bracket (Optional Pole Mount Bracket Available)
- ▶ Slide The Enclosure Onto The Bracket, Fasten From The Inside With Four 1/4-20 x 3/4" Bolts
- ▶ Industry-Standard 2" x 5.5" OC Hole Pattern

### XJSMART SYSTEM TRAY



- ▶ Dual Circulation Fans For Engineered Air Circulation
- ▶ Remotely Controlled Power Inputs: [2] 24 VDC Power Ports, [2] 12VDC Power Ports, [1] 30-Watt PoE+ Ethernet Port, [1] 24VDC Passive PoE Ethernet Port
- ▶ Integrated Networking: 4 Port 10/100Mbps Ethernet Switch
- ▶ Flexible Source Power: 120/240VAC Standard (10-60DC Optional)

### SUPERIOR AIR CIRCULATION



- ▶ Redundant 6,000 RPM 9.9 CFM Circulation Fans Push And Pull Air Throughout The Entire Enclosure System
- ▶ Protects Equipment By Eliminating Hot Spots

# USER INTERFACE

## SIMPLE. ACCESSIBLE.

## CONTROL FROM ANYWHERE

Intuitively Designed For The End User - Ensure Pristine Image Quality With The Click Of A Mouse

### AT-A-GLANCE INFORMATION PANEL

- See The Enclosure's Local Date And Time
- Review Power Status Of X|Accessories
- Check Internal Temperature (Standard)
  - Check External Temperature With Optional X|EXT-TEMP Accessory
- Review Current Power Input And Load

### CLIMATE CONTROLS

- Control The Enclosure's Internal Temperature
  - Adjust Power Supply Fan Settings



### FLUID LEVEL INDICATOR

- Remotely Monitor Cleaning Fluid Level

### CLEAR IMAGE DIFFERENCE™ CONTROLS

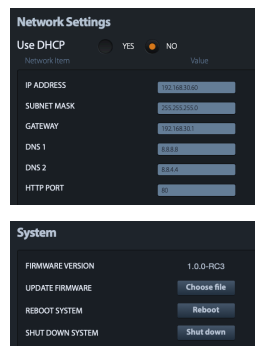
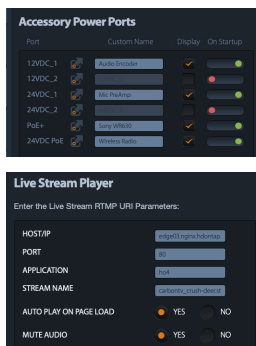
- Manually Trigger Wash And Wipe Events
- Schedule Wash And Wipe Events
- View Previous And Upcoming Events
- Manually Trigger Reservoir Fills (Requires X|Aux-Reservoir Accessory)

### AUXILIARY POWER CONTROLS

- 30-Watt PoE+, 24VDC Passive PoE, 12VDC And 24VDC
- Set Connected Devices To Power On Startup
- Manually Power Devices On Or Off

## TAILOR YOUR CONTROL PANEL DISPLAY • CONFIGURE NETWORK AND POWER SETTINGS • REBOOT AND POWER CYCLE REMOTELY

- Name Your Enclosure
- Choose Which Information Is Displayed Based On Your Needs
- Name Your Peripherals And Set Start-Up Power Options
- Integrate The Camera Stream Directly Into The Web Interface
- Customize Time, Date and Temperature Settings
- Configure Network Settings



- Review Power Usage and Temperature Graphs
- Customize Wash And Wipe Event Duration
- Adjust Login Credentials And Authentication Requirements
- Reboot Or Shut Down The Enclosure System
- All X|Accessories Are Seamlessly And Automatically Integrated Into The Web Interface

# SPECIFICATIONS

## SHIPPING DIMENSIONS / WEIGHT

- › X|CLEAR: 19"L x 15"W x 22"H - 20lbs
- › X|CLEAR-EV: 21"L x 16"W x 25.5"H - 22lbs

## INPUT SOURCE POWER

- › 120/240VAC Input Power (Standard)
- › 10-60VDC Input Power (Optional)

## POWER CONSUMPTION

- › 20 Watts With Typical PTZ Camera
- › 75 Watts - Less Than 3 Seconds During Wash Event

## REMOTELY CONTROLLED AUX POWER PORTS

- › [2] - 12VDC Ports
- › [2] - 24VDC Ports
- › [1] - IEEE 802.3at 30-Watt PoE+ 10/100Mbps Ethernet Port
- › [1] - 24VDC Passive PoE Ethernet Port (Wireless Radios)

## ENCLOSURE OPERATING TEMPERATURES

- › 0° to 145° F (-40° to 63° C)  
Temperatures Vary Depending On Integrated Components. Check Operating Temperatures Of Integrated Cameras And Components As They May Vary

## ENCLOSURE MOUNTING

- › Wall Mount Bracket (Standard)  
Requires [4] 1/4-20 x 3/4" Bolts (Included)  
Industry-Standard 2" x 5.5" OC Hole Pattern
- › Pole Mount Bracket (Optional)

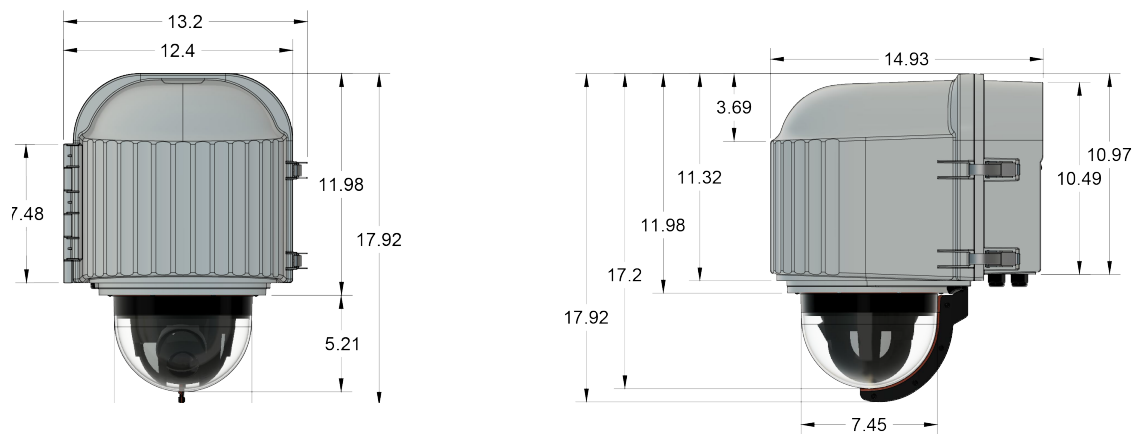
## REMOTE CLIMATE CONTROL

- › 20 Watt Heating Element (Standard)
- › 50 Watt Heating Element (Optional)

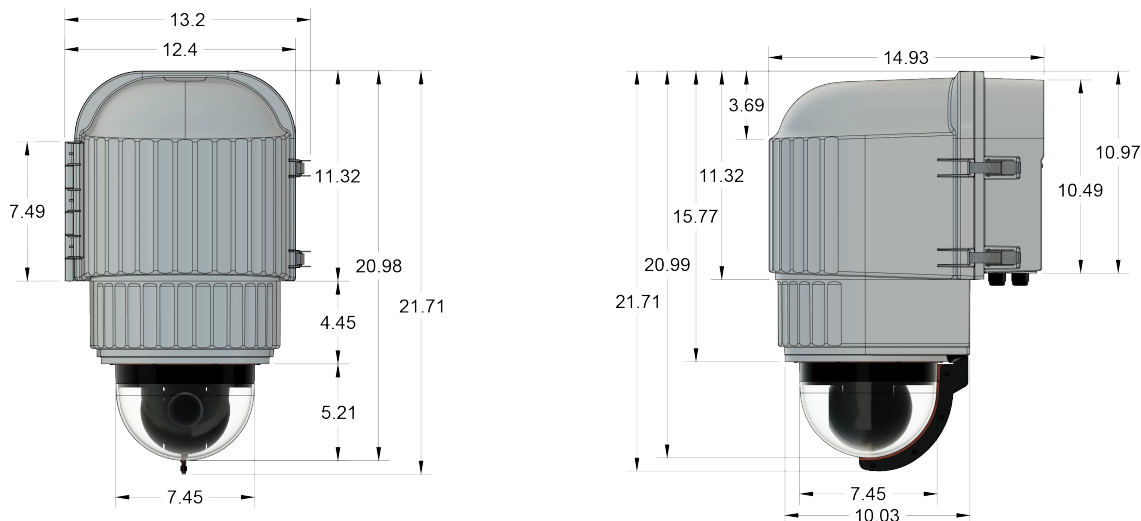
## USER INTERFACE REQUIREMENTS

- › Network Connection Required
- › Compatible With All Modern Browsers  
Internet Explorer Not Recommended
- › Full API Documentation

## DIMENSIONS - X|CLEAR (STANDARD)



## DIMENSIONS - X|CLEAR-EV (EXTENDED VOLUME VERSION)



## UPGRADES / ACCESSORIES / OPTIONS

- › X|DC-INPUT - 10-60VDC Input Power for Solar Installations
- › X|AUX-RESERVOIR - External Auxiliary Fluid Reservoir
- › X|INSULATE - Open Cell Silicone Foam Radiant Heat Shielding
- › X|PMB - Pole Mount Adapter with Leveling Plate
- › X|EXT-TEMP - External Temperature Probe
- › X|HALF-SHELF - Accessory Shelf
- › X|HIGH-CFM - High CFM Fans
- › X|NVR - i3, i5 or i7 Processor Option
- › X|50WH - 50-Watt Internal Heating Element

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