

XRAIN

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



SIMPLY THE WORLD'S MOST INNOVATIVE CAMERA ENCLOSURE SYSTEM

ENGINEERED FOR WET AND RAINY CONDITIONS

- › Wipe Away Image-Obscuring Water Drops In Wet And Rainy Weather
- › Built To Withstand Severe Weather And Extreme Environmental Demands
- › Recommended For Hot, Cold, Wet And Rainy Climates
- › Nearly Indestructible Polycarbonate Construction - No Rust Or Corrosion

COMPREHENSIVE AND CUSTOMIZABLE

- › Integrated Network Switch With PoE+ And 24VDC Passive PoE Ports
- › Remotely Controllable Accessory Power Ports - [2] 12VDC And [2] 24VDC
- › Integrate NVRs, Encoders, Routers And More With Built-In Accessory Rails
- › Extended Volume (EV) Option Adds 520in³ 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 Wiping Events
- › Power On/Off - 12VDC, 24VDC, PoE+ And 24VDC Passive PoE Ports
- › Monitor Internal And External Temperatures And Power Loads
- › Fine Tune And Adjust Internal Climate Settings
- › Customize Dome Wiping Settings

ECONOMICAL, PRACTICAL, SMART

- › Trigger Wipe Events To Clean The Dome Lens During Rainy Conditions
- › No More Staring at Blurry Image Quality During Inclement Weather
- › 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



US PATENT #8567963B1
**THE CLEAR IMAGE
DIFFERENCE**
SELF-CLEANING CAMERA DOME



AXIS
COMMUNICATIONS

SAMSUNG

DAHUA
TECHNOLOGY

Hanwha

SONY

BOSCH

IC REALTIME
Security Solutions

Arecont Vision

Canon

4K OPTICS

BOLIN
TECHNOLOGY

MOBOTIX

Panasonic

BirdDog

QVIGILON
A Microtronix Company

HIKVISION

EXPERIENCE THE CLEAR IMAGE DIFFERENCE™

HARDWARE
DURABLE. ROBUST.
CONVENIENT.

X/RAIN ENCLOSURE

Nearly Indestructible Polycarbonate Enclosure - Protect Your Camera And Integrated Components

X|SMART 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 And Will Not Corrode

SELF-WIPING DOME LENS

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

VERSATILE CAMERA INTEGRATION

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

STAINLESS STEEL LATCHES

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

VERTICAL HINGE

- No-Fuss Access To Enclosure Interior For Maintenance And Component Integration

INTELLIGENT CABLE INGRESS

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

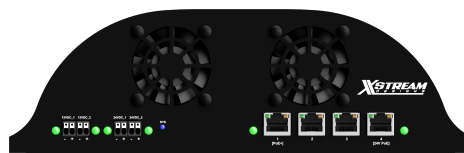


SIMPLE AND SECURE MOUNTING



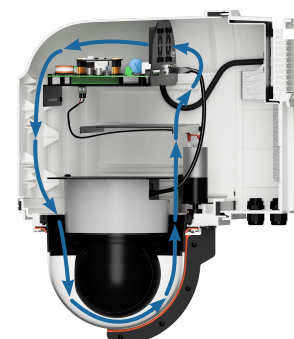
- Durable Polycarbonate Wall Mount Bracket (Optional Pole Mount Bracket Available)
- Slide The Enclosure Onto The Bracket, Fasten From The Inside With Four 1/4-20 x 3/4" Bolts
- Industry-Standard 2" x 5.5" OC Hole Pattern

X|SMART 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

- 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

X|Rain Demo

Tuesday, October 8
4:06 PM PDT

Enclosure Model
X|RAIN

Internal Heater: **OFF**

Exterior Temperature
75 F°

Interior Temperature
100 F°

Input Voltage
26.0 VDC

Input Current
1.0 Amps

Load
25 Watts

The Clear Image Difference™
BY PATENT 85547961 B1



CID Control

WIPE ONE TIME

WIPE

WIPE EVERY 3 MINUTES

TIME OUT 1 HOUR

Last Wipe: N/A

Next Wipe: October 8th 2019, 4:08:00 pm PDT (in 2 minutes)

Time Out: In an hour

Accessory Power Control

Port On Startup On / Off

Audio Encoder

Mic PreAmp

Wireless Radio

Sony WR630

Climate Control

Port On Startup On / Off

Heat

Temperature Setting

Heater Cycle Time

Power Supply Fans

Power Supply Fans On When Heat Turns On

Fans Off Delay

Internal Temperature Fan Override

CLEAR IMAGE DIFFERENCE™ CONTROLS

- Manually Trigger Wipe Events
- Schedule Wipe Events
- View Previous And Upcoming Events

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

CLIMATE CONTROLS

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

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

Item	Display
HEATER & PUMP STATE	<input checked="" type="checkbox"/>
MANUAL RESERVOIR FILL	<input checked="" type="checkbox"/>
LIVE STREAM PLAYER	<input checked="" type="checkbox"/>
ENCLOSURE MODEL	<input checked="" type="checkbox"/>
INPUT VOLTAGE	<input checked="" type="checkbox"/>
INPUT CURRENT	<input checked="" type="checkbox"/>
LOAD / WATTS	<input checked="" type="checkbox"/>
FLUID LEVEL METER	<input checked="" type="checkbox"/>
POWER GRAPH	<input checked="" type="checkbox"/>
TEMPERATURE GRAPH	<input checked="" type="checkbox"/>
EXTERIOR TEMPERATURE	<input checked="" type="checkbox"/>
INTERIOR TEMPERATURE	<input checked="" type="checkbox"/>

Function	Display	On Startup
Heat	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Temperature Setting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Power Supply Fans	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Port	Custom Name	Display	On Startup
12VDC_1	Audio Encoder	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12VDC_2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24VDC_1	Micro PreAmp	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24VDC_2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PoE+	Sony WH630	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
24VDC PoE	Wireless Radio	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Live Stream Player	
Enter the Live Stream RTMP URI Parameters:	
HOST/RTMP	<input type="text"/>
PORT	<input type="text"/>
APPLICATION	<input type="text"/>
STREAM NAME	<input type="text"/>
AUTO PLAY ON PAGE LOAD	<input checked="" type="checkbox"/>
MUTE AUDIO	<input checked="" type="checkbox"/>

Network Settings	
Use DHCP <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Network Item	
IP ADDRESS	<input type="text"/>
SUBNET MASK	<input type="text"/>
GATEWAY	<input type="text"/>
DNS 1	<input type="text"/>
DNS 2	<input type="text"/>
HTTP PORT	<input type="text"/>

System	
FIRMWARE VERSION	1.0.0-RC3
UPDATE FIRMWARE	<input type="button" value="Choose File"/>
REBOOT SYSTEM	<input type="button" value="Reboot"/>
SHUT DOWN SYSTEM	<input type="button" value="Shut down"/>

- Review Power Usage and Temperature Graphs
- Customize Wipe Event Duration
- Adjust Log In 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|RAIN: 19"L x 15"W x 22"H - 20lbs
- › X|RAIN-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
- › 35 Watts - Less Than 3 Seconds During Wipe 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*

REMOTE CLIMATE CONTROL

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

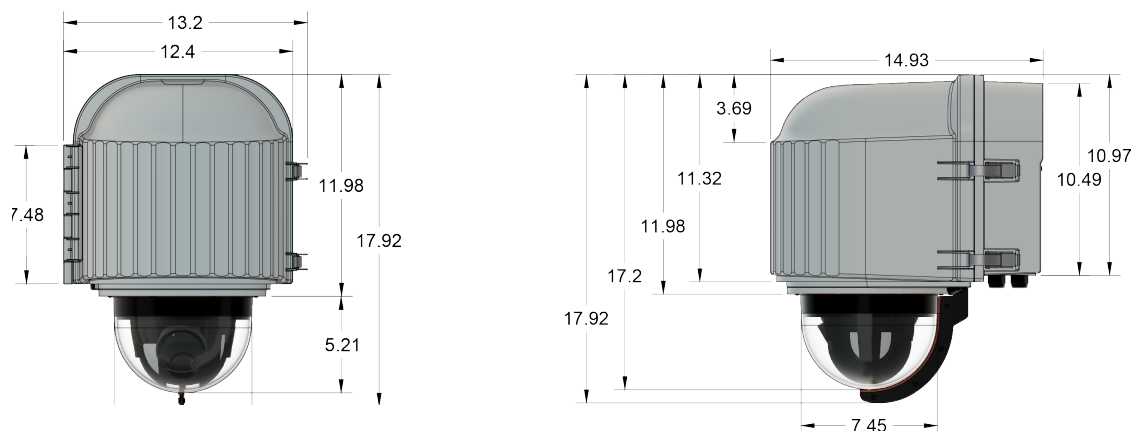
ENCLOSURE MOUNTING

- › Wall Mount Bracket (Standard)
- › Pole Mount Bracket *Optional*

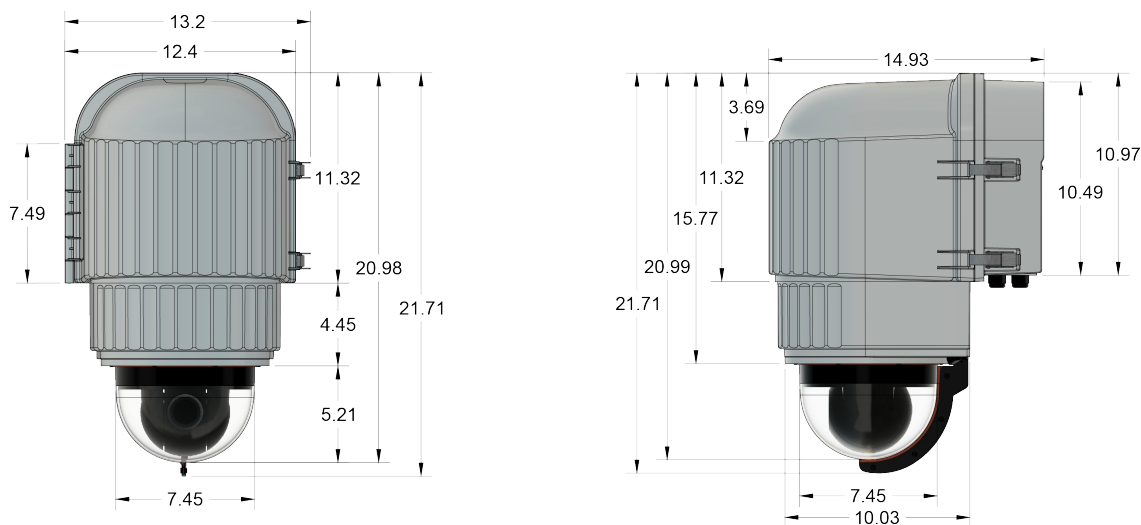
USER INTERFACE REQUIREMENTS

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

DIMENSIONS - X|RAIN (STANDARD)



DIMENSIONS - X|RAIN-EV (EXTENDED VOLUME VERSION)



UPGRADES / ACCESSORIES / OPTIONS

- › X|DC-INPUT - 10-60VDC Input Power for Solar Installations
- › X|50WH - 50-Watt Internal Heating Element Upgrade
- › 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

XSTREAM
DESIGNS
sales@xstreamdesigns.com
xstreamdesigns.com
858.768.2992

US Patents US8567963B1 • USD744570S1

EXPERIENCE THE CLEAR IMAGE DIFFERENCE™