



# The HD Relay Difference

We're dedicated to providing advanced IP video capture solutions and remote management tools for network camera hosting. We own our own manufacturing plant to make parts specific to live cameras and support ready to deploy kits for any environment.

HD Relay takes your live videos to the next level by supplying a 24-7 state of art camera service that can help market your company and get you noticed. Our services are also easy to manage and cloud accessible.

Our team is 100% US based Gold level and Axis Certified for over 20 years. If you need a professional, all environment ready, durable live hardware system to market your organization or location, you've come to the right place. We use only the best and most trusted national server networks.



**Our tech partners include:**



# Why HD Relay

**Live HD cameras are a profoundly effective marketing tool. HD Relay's professional camera hosting services empower your marketing, IT, and Web team with live camera content.**

Our objective is to keep our service relationship simple – our services are already included in your low monthly hosting fees so there are no extra fees when your team needs us. No additional IT staff is required onsite.

Our services allow you to reduce or omit additional employee overhead associated with a DIY camera server. If you need any assistance with camera changes, updates, advanced hardware replacement, logos added, or even a Facebook or YouTube Live event pushed to your team, simply call or email us and we are ready to help.

We provide live view, image capture and long-term cloud recording.



**25 years**  
of streaming  
and building cameras

Our team is located in San Diego, Ca. As an on demand workforce, we are ready to help 24/7 for managing and assisting with all aspects of live camera operations which means we work for you when you need us.

The HD Relay Service suite gives your marketing team access to a state of art professional support group plus online access to the HD Relay Client Portal which is our automated backend camera control system.

# Industries

**We specialize in many industry niches**



**Ski Safety + Conditions  
Reporting**



**Golf**



**DMO's (Destination Marketing  
Organizations)**



**Pet Boarding**



**Performing Arts Venues**



**Hospitality Resorts**



**Construction Documentation  
and Security**



**Zoos/Aquariums/Animal  
Sanctuaries**




# Video Capture Service Packages


## All Inclusive Service

### The Best of Everything We Offer


**1tb** Up to 1TB/camera per month Streaming PLUS Time- Lapse, 7 Day Video Recording and Panoramic Auto Capture (Controllable cameras only).

 Facebook, Live YouTube

 Full Feature Broadcast band Timelapse

 Sunrise and Sunset Buttons with one touch access to recorded video.

 24-7 LIVE with Full Support

 Built in Ad Server (Video Pre rolls, Overlay graphics and end Images)

 Flow Player

## Just Streaming Services


### A Great Starting Point

**500Gb** Up to 500 GB/camera per month


 Live IP Camera Streaming

 HTML 5 Copy and Paste Code

 Facebook Live, YouTube Live Push Tools

 Broadcast your Business 24-7 Live with Full Support


 Typically, 1080p


 Built in Ad Server (Video Pre rolls, Overlay graphics and end Images)


 Flow Player

## Just Time-lapse

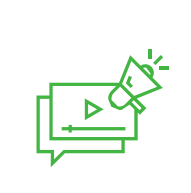
### Simple Yet Effective

 Long term timelapse cloud image archive storage with end/ complete project postproduction videos

 Plus, hourly time- lapse automation recording available

 Rewind, Record, and Create Timelapse Movies

 1-to-5-minute image capture intervals

 Built in Ad Server (Video Pre rolls, Overlay graphics and end Images)



# Choose How Your Customers See Your Live Camera

We provide a simple copy and paste embeddable player that integrates into your website.

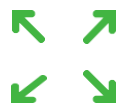


CONTROL

**End User Controls**

PANO

**Pano**



**Full Screen**



**Archive**



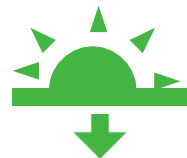
**Timelapse**



**Download**



**Sunrise**



**Sunset**



# Camera management with full control for your team

**client.hdrelay.com**



HTML5 video controls and player code for your website



Troubleshooting tools



Ad server media insertion tools



Live and historical statistics reporting



High resolution recording access and download



User experience tools and controls



Preset controls with crowd sourced voting queue



Direct pan-tilt-zoom camera controls with override



Camera status notification alerts



Audio on/off



Social media Push Tools



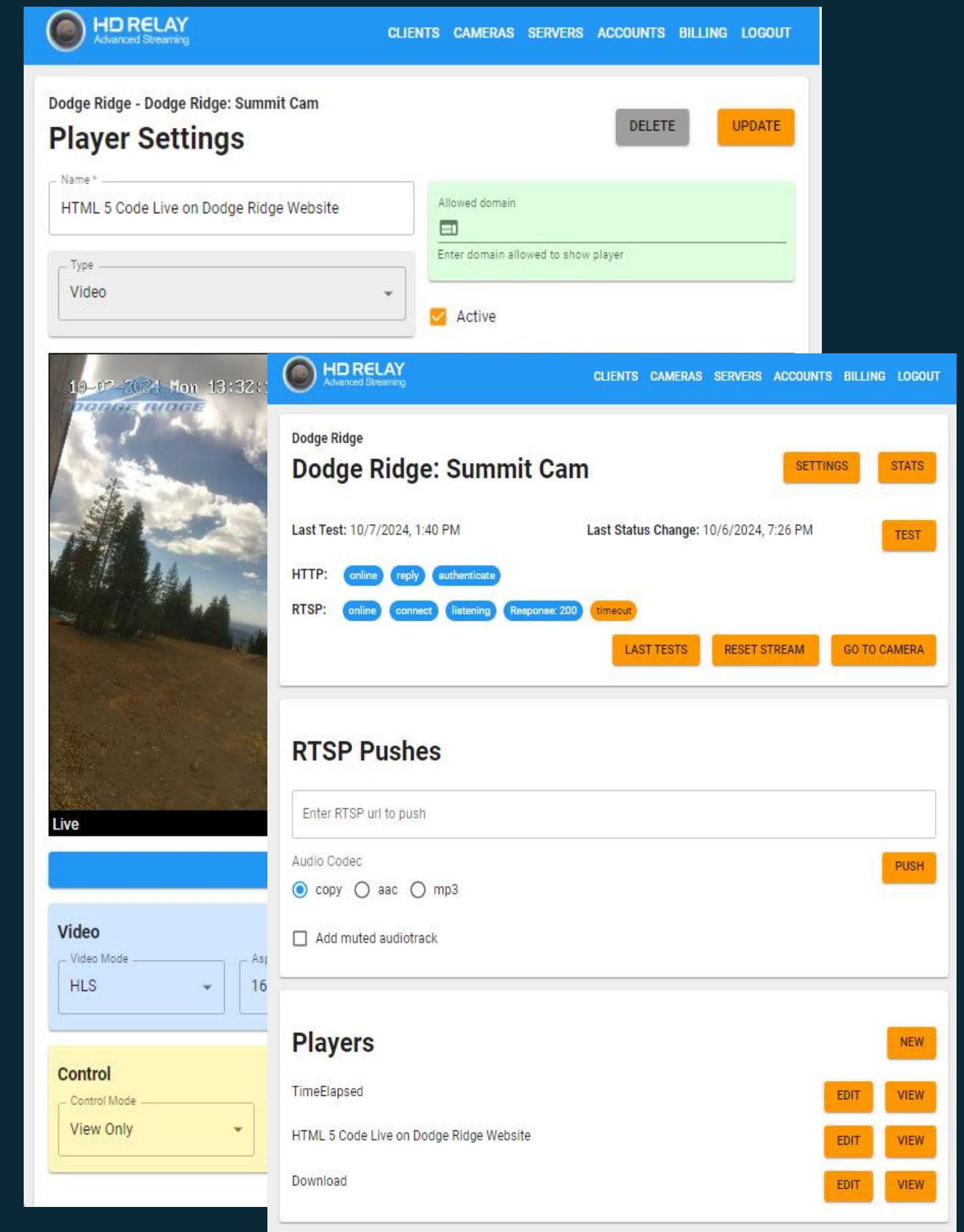
Privacy masking



100% cloud based storage



Plus many other features.



The screenshot displays the HD RELAY web interface for managing a camera stream. The top navigation bar includes links for CLIENTS, CAMERAS, SERVERS, ACCOUNTS, BILLING, and LOGOUT. The main content area is titled 'Dodge Ridge - Dodge Ridge: Summit Cam' and 'Player Settings'. It features a 'Name' field with the value 'HTML 5 Code Live on Dodge Ridge Website', a 'Type' dropdown set to 'Video', and an 'Active' checkbox. A 'DELETE' button and an 'UPDATE' button are also present. Below the settings, there is a live video feed of a mountain landscape. To the right of the feed, there are buttons for 'SETTINGS', 'STATS', and 'TEST'. Below the feed, there are sections for 'RTSP Pushes' and 'Players'. The 'RTSP Pushes' section includes a text input for 'Enter RTSP url to push', a 'PUSH' button, and radio buttons for 'Audio Codec' (copy, aac, mp3). The 'Players' section includes a 'NEW' button, a table with columns for 'TimeElapsed', 'HTML 5 Code Live on Dodge Ridge Website', and 'Download', and buttons for 'EDIT' and 'VIEW' for each row.

# Full portability with 5G/4G Cellular Connectivity

Our latest offering leverages the power of 5G and 4G networks to provide unparalleled livestreaming quality and reliability. Wireless camera solutions now offer improvements in:

- Ultra-low latency camera feeds for real-time viewer engagement
- Higher bandwidth that ensures superior video quality
- Enhanced network stability and coverage for uninterrupted streaming
- Seamless switching between 5G and 4G networks for consistent performance



# Easy to Start with HD Relay

## IT REQUIREMENTS FOR CAMERAS ON HD RELAY SERVICE



### A reliable Power source

Basic 220VAC or 110VAC is recommended.

Typically, a separate power run is preferred for reliability and troubleshooting purposes.

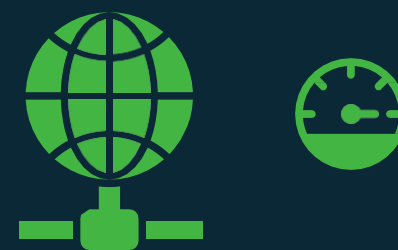


### An IP network-based camera: Compatible with our system.

Our service is compatible with major brand IP network cameras, including:

- Axis Communications
- Sony
- Canon
- Toshiba
- Wisenet
- Hanwah
- Samsung

We support PTZ (Pan-Tilt-Zoom), fixed-type, wide-angle, and wide dynamic range cameras.



### Internet connection: Reliable with sufficient upload speed.

Upload speed of at least 1 Mbps is recommended.

For the best experience, a dedicated internet connection for the camera is ideal, ensuring proper transmission with H.264 encoding.

We recommend a minimum upload speed of 1 Mbps or higher. Recommended Upload Speeds by Video Resolution:

- 1080P: 3.00 – 3.50 Mbps
- 720P: 1.80 – 2.50 Mbps
- 480P: 0.90 – 1.20 Mbps
- 360P: 0.60 – 0.80 Mbps
- 240P: 0.50 Mbps

3 Mbps grants best results.

Cellular and Starlink uplink solutions are also available



### Public IP address: Either static, dynamic\*, or via DDNS.

We support dynamic IP addresses as well as DDNS (Dynamic DNS) for those who do not have a static IP. DDNS allows you to maintain a consistent domain name for your camera even when your IP address changes. However, a static IP is still preferred for its consistency and reliability.

If you opt to use DDNS, please ensure it is properly configured and provide us with the DDNS hostname for integration into our service.



### Firewall Configuration: Our IP addresses need to be whitelisted on your firewall.

port and Firewall Requirements  
Typically, we require the following ports to be open and available for connecting to your camera:

- HTTP Port: 80 (or an alternative if preferred).
- Streaming Port: 554.

In addition, please ensure that our IP addresses are whitelisted on your firewall to allow seamless communication with your camera. Our IP Addresses for Camera Interaction:

- 158.85.72.116
- 52.117.185.199
- 52.116.180.120
- 12.206.45.178

We also support HTTPS connections for added security, provided you have an SSL certificate.



# Recommended D-Series Controllable Hardware:

## Controllable Hardware

Stream your location with iPhone controllable Pan-Tilt-Zoom features and give your audience a better user interface creating a unique, memorable, and engaging experience that increases web traffic and sales.

Our all included live PTZ camera hardware packages leaves the hassle at the door and lets you start streaming the moment you plug it in.

This unique live IP camera hardware utilizes our fully customizable viewer and admin player interfaces that range from limited to unlimited user control, voting positions, and camera control.

**Choose the PTZ robotic camera package that's right for your location...**

**Start streaming  
the moment you  
plug it in.**

**Engaging experience  
that increases web  
traffic and sales.**



**Stream your location with  
iPhone controllable Pan-Tilt-Zoom**

# Recommended S-Type Fixed Hardware

Stream your location with iPhone controllable Zoom in/out features and give your audience a digital and optical zoom capability of up to 32x! Offer a better user interface creating a unique, memorable, and engaging experience that increases web traffic and ticket sales. Our all included live Static view camera hardware packages leaves the hassle at the door and lets you start streaming the moment you plug it in. This unique live IP camera hardware utilizes our fully customizable viewer and admin player interfaces that range from limited to unlimited user control, voting positions, and camera control.

**Choose the Static view camera package that's right for your location...**







**HD RELAY**  
Advanced Streaming  
● Live | Rewind | Control

# Your Team:

**John F. Bello**

**Business Development Manager**

**Chelsea Johnson**

**Operations Coordinator**

**Ahmed Muwali**

**System Administrator/Technical Support Head**

**Orah Pawloski**

**Finance Director**

**Will Ferris**

**Founder/CEO**

**We look forward to working with you.**



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