

2019/20 Buyers guide

Live camera service and hardware solutions



www.HDrelay.com (866) 883-8717

Actual Panorama

(CO) alster

ULTRAHD

Live | Rewind | Control



Proven results.





dotworkz 2

RELA



Live | Rewind | Control

Who is HD Relay?



HD Relay is the leading remote IP video monitoring solutions provider for managing, hosting, and maintaining live streaming video camera systems.

HD Relay live camera streaming systems have been meeting the needs of tourism and destination industries for more than 19 years. We strive to continuously improve the technologies available and offer the best solutions for live stream marketing, maintaining recorded video, monitoring on-site activities and more. If you need a professional, all environment ready, durable live hardware system to market your resort or destination, you have come to the right place.

Headquartered in San Diego, California, HD Relay is dedicated to providing advanced IP video streaming solutions and remote management tools for network camera hosting. HD Relay has been designing professional remote camera solutions since IP network cameras were first introduced in 1997.

Management Team:

- Will Ferris John F. Bello Don Carmichael Matthew Britton 24/7 Hotline
- CEO Sales Manager Controller Support Manager Support

will@hdrelay.com john.bello@hdrelay.com don@hdrelay.com matthew@hdrelay.com help@hdrelay.com With a customer base consisting of hotels, retail stores, beach resorts, ski resorts, golf courses, daycares, amusement parks, local and federal government, and various web attractions, we have developed all the necessary skills and experience required to offer an unrivaled remote managed network camera hosting service.





HD camera feeds are multiplied, protected, recorded, and enhanced along our Relay network.

New server sites added every year

www.HDrelay.com (866) 883-8717



Professional photography meets business class marketing with 4K images 24/7

Business class tourism means marketing images Day or Night. Stunning 4k live shots 24/7 with 35mm ISO 409600 Exmor sensors. State of the art Sunrise to Sunrise imaging. Put your location in the best possible "light" with HD Relay's full color at night technology.

Live 4K images, Time-lapse, Streaming, Recording, Security, Social media sharing, and more.

Need it storm proof?



IP68 No Ice Ring of Fire Protection Kit Created in the mountains for the mountains

www.HDrelay.com/SeeltInAction

Business Facebook Live Events or Daily

HD RELAY ASSISTED

Facebook Live Camera Streaming

- · Facebook Live from any HD Relay Camera
- World-class Customer Service & Reliable 24/7 Support
- · Give Your Viewers Control Over the PTZ Camera
- · Facebook, Local, and Remote Recording

www.hdrelay.com



One of the Most Recognized & Revered Golf Courses in the World. Since 1919, the awe-inspiring beauty, spectacular setting and celebrated challenges of Pebble Beach Golf Links have thrilled golfers and spectators alike. With its rugged coastline, cliff-side fairways and sloping greens.



| de Like | Comment A Share | <u>*</u> - |
|----------|----------------------------------------------------|------------|
| 09 HD R | telay, Brian Faulkner, Adam Wise, and 5,247 others | |
| <u>}</u> | Write a comment | 000 |

#Fun #DanceTheNgtMway #Amphitheatre #PenguinCam #New "BearCam #WishYouWereHere #VisitUs #Live #Sunset #FishAreBiting #HoleInOne #Beach #MusicFest #Lounging #WolfCam #SeeltNow #AquariumCam #MiniGolf #Snowing #ElephantCam #SurfingItUp #MovieNight #Outdoors More destinations than ever are using live HD camera technologies to promote, educate and localize their location, product or service to the world. Hosted live streaming and time-lapse are similar to having your own broadcast cable channel and online marketing group all in one. The difference is that with HD Relay it's 100%

your brand. Simply add HD Relay service to a new or existing IP camera or Webcam and we take care of the rest.



Go Beyond Just Streaming

Hardware For Facebook!

Live | Rewind | Control

What is HD Relay Service?



Live Panoramic



Rewind & Timelapse



Pan Tilt Zoom Control



Social Media Bonus

Weathe

Widaets



eras

Giant

Panoramas

360



Auto

Generated

anoramas



Cloud

Recording



Stats/Usage

Reports



Social Media

Integration



Video &

Image

Compression



HD Archives



Email,

Sharing, and

Downloading

HD RELAY

HD Relay camera services exist for a simple reason – Live Cameras are a profoundly effective marketing tool.

Local

Camera

Recording

HD Relay's professional camera hosting services empower your marketing, IT, and Web team with live streaming content. 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. We provide services for our clients cameras all over the world. 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. Our services allow you to reduce or omit additional employee overhead associated with a DIY camera server or other headaches that often present themselves in professional marketing and live camera operations. In fact, if you need any assistance with camera changes, updates, advanced hardware replacements, logos additions, or even a Facebook or You Tube Live event pushed to your team, simply call or email us and we are ready to help.







Hands down the most feature rich and advanced live streaming services on the market. – Jonathan Davis, Perfect North Slopes













Live Service Packages





Big

IC|HD Features:

- Live Streaming 1080p
- Instant 7 Day Rewind
- Fast Forward Playback
- 5 Minute Timelapse
- 7 Day Security Video

ICHD^{*} Interactive Cameras in High Definition

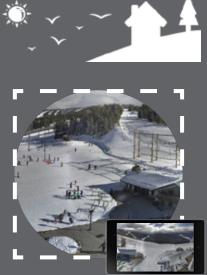


Biggest

IC|HD + Features:

- New 30MP Fullscreen
 Panoramic Time-Lapse (with our without auto panning)
- Live Streaming 1080p
- Instant 3 Day Rewind
- Fast Forward Playback
- 5 Minute Timelapse
- 7 Day Security Video

4K Beauty Shot



Best

4K Beauty Shot Features:

- New 4K Panoramic Time-Lapse (with our without auto panning)
- Live Streaming
- Instant 7 Day Rewind
- Fast Forward Playback
- 5 Minute Timelapse
- 7 Day Security Video

Starting as low as \$299/month

The most advanced live camera streaming platform!



Always Included Features:

- AdServer
- Security Video 7 Day
- Logos on screen
- 100% managed service and support
- Live Audio (capture your locations ambiance)
- Pre and Exit rolls
- Fullscreen panorama
- Go to live HD stream
- PTZ Control (requires PTZ camera)
- Onboard storage for redundancy
- Social media ready

- Facebook ondemand
- Sunrise / Sunset tracker
- Weather widget
- Download video
- Mobile upgrades and features
- And more!

Live Service Packages

ICHD Website cameras that make an impact

Camera Controls
Live Streaming
7 Day Online Instant Rewind
Fast Forward Playback
Built-In Sunrise and Sunset Preset Functions
Intro and Exit Video
Ads and AdServing for DFP
Logo Overlays
and More

Our most powerful package! You get the best of what HD Relay has to offer for one low price! IC|HD Live Streaming, IC|HD 7 Day Online Storage for Instant Playback/Rewind, and IC|HD Fast Forward Playback for up to 1,000 times video playback speed. PLUS Built-In Sunrise and Sunset Preset Functions! VAST AdServer Included.



ONE

IC HD + Full feature beyond just a camera

Ultra High Definition Auto Image Capture • Camera Controls • Live Streaming • 7 Day Online Instant Rewind • Fast Forward Playback • Built-In Sunrise and Sunset Preset Functions • Intro and Exit Video • Ads and AdServing for DFP • Logo Overlays • and More We took our best streaming platform (IC|HD) and made it even better! Now you can show off your location with

full screen 30MP panoramic images.



Live Service Features

Professional Live Streaming 24/7 Feature

• Live Streaming • Time Stamping • Security Monitoring • Intro and Exit Video Ads and AdServing for DFP • Logo Overlays • and More

Live streaming allows you to promote and view your location in real-time from anywhere with Internet connection. You can also embed your live feed on any public website and make it visible for anyone.



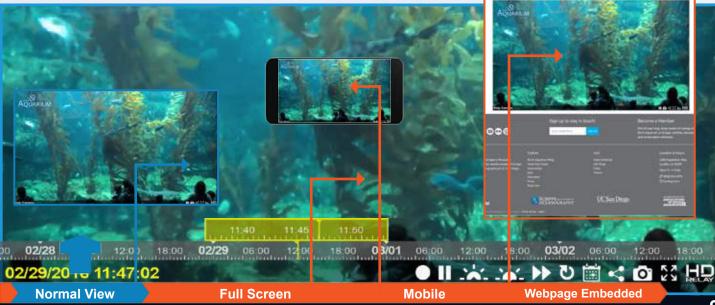
Normal View

Full Screen

Mobile

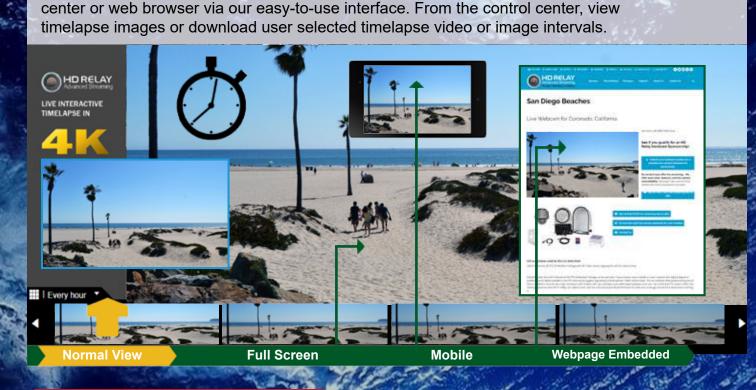
Basic Cloud Storage Instant Rewind Feature

 Downloadable Video
 Easy Time Navigating
 Customizable Players with Start and Stop Video Segmenting for Video Downloading
 Video Recording, Storage, & Instant Playback
 Playback Availability: 24 hours, 3 days, 7 days, 1 month, or 1 year
 5 Year Offsite Storage Options



Live Service Features

Interactive Timelapse Feature



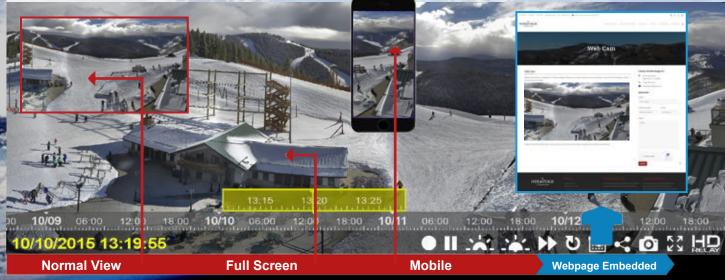
Downloadable Images
 Timelapse Video Creation
 Easy Time Navigating
 Gestures

on Mobile Devices • Pan, Tilt, Zoom, Crop • Customizable Players • and More Interactive images in high resolution. You can pan, tilt, and zoom from any control

Fast Forward Playback Feature

Fast Forward Playback*
 Video Based Fast Forward Playback: From 30x up to 1,000x Playback
 Speeds
 Intro and Exit Video Ads and AdServing for DFP
 Logo Overlays
 and More

Video based Fast Forward Playback speeds from 30x up to 1,000x depending upon camera type. *Online Recording is required for this service.



Live Service Features

Gigapixel Full Page Panoramic Auto Capture Feature

 Downloadable Images
 Timelapse Video Creation
 Easy Time Navigating
 Gestures on Mobile Devices • Pan, Tilt, Zoom, Crop • Customizable Players • and More

Set your HD Relay camera to take panoramic ultra HD images at every 30 minute, 1 hour, 5 hour, 12 hour or 24 hour interval. Each image can be downloaded as a 17280x3240 JPG photo.



11/07/2014 15:00:03 -0600

Normal View

Full Screen

Mobile

Webpage Embedded

Give Your Viewers Control Over Your Live Camera Or Limit What They See Feature



Essential Hardware With PRO

The most trusted name in outdoor live camera systems made easy with video recording, interactive images, timelapse, and a whole lot more in 1080p High Definition.

1080p Wide Angle LIVE Cameras

- 1080p
- Up to HD 1920x1080
- Superb Video in 2MP
- 30fps Max
- 12VDC-32
- 4 GB Additional Memory
- All Mounts Included
- H.264, MPEG-4, MJPEG
- 30fps Max

PROTip:

Dual Purpose Wide Angle Camera and Housing - Installs up close in a crowded area with no threat of vandalism or theft. Can be installed in a remote part of your location for a wide angle view of your property!



1080p Long Range LIVE Cameras

- 1080p
- Up to HD 1920x1080
- 4.42 ~ 142.6mm Variable Auto Focus
- 32x Optical Zoom & 16x Digital Zoom
- 12VDC-32
- 4 GB Additional Memory
- All Mounts Included
- H.264, MPEG-4, MJPEG
- 30fps Max

PROTip:

With a 32x zoom capacity, you can see the grains of sand along a beach from a quarter mile away!

1080p PTZ (Pan-Tilt-Zoom) LIVE Cameras

- 1080p
- Up to HD 1920x1080
- Superb Video in 2MP
- 30x Optical Zoom
- ONVIF
- 12VDC-32
- 4 GB Additional Memory
- All Mounts Included
- H.264, MPEG-4, MJPEG
- ONVIF
- 30fps Max

PROTip:

Give your viewers complete control over your live camera! With this PTZ package your audience can zoom in/out, pan left/ right, and even tilt up/down.

> *Cameras and hardware shown in the images above may differ depending upon the camera resolution type selected.

1080P

Full HD

Specialized ProBuild Outdoor Solutions

• Cooldome[™] with Active cooling for hot and desert climates • Ring of Fire with De-icing against snow • Saltwater Proof • Theft Protection • And more!

20MP Ultra High Resolution Live Photography

Professional photography meets business class marketing with 4K images 24/7. Business class tourism means marketing images Day or Night. Stunning 4k live shots 24/7 with 35mm ISO 409600 Exmor sensors. State of the art Sunrise to Sunrise imaging. Put your location in the best possible "light" with HD Relay's full color at night technology.

- Stunning 4k Still Images (3840p)
- Up to Approx 5,971x3,359
- 4.42 ~ 142.6mm Variable Auto Focus
- 5-200x Optical Zoom & 16x Digital Zoom
- 12VDC-32
- 4 GB Additional Memory
- All Mounts Included
- H.264, MPEG-4, MJPEG

Where Professional Photography meets Continuous 4K images 24/7!

Call us for details! (866) 883-8717

Specialty Systems







Desert and High Heat Camera Hardware Packages (Cooled)

Ski Resort and Cold Weather Camera Hardware Packages (De-icing)

Hot and Humid Camera Hardware Packages (IP68 Twin Fan)

Beach and Marina Camera Hardware Packages (IP68) CameraPTZMSRP\$4,874Sale Price\$3,900

Car

MSF

Sale

| mera | PTZ | |
|-------|---------|--|
| RP | \$4,815 | |
| Price | \$3,852 | |



Variety of zoom lens options available



1080p Hardware Only Sample Pricing

| Camera | PTZ | Long Range | Wide Angle |
|------------|---------|------------------|------------|
| MSRP | \$5,629 | \$2,179 | \$1,579 |
| Sale Price | \$4,503 | \$1,726 | \$801 |
| | | | |
| Camera | PTZ | Long Range | Wide Angle |
| MSRP | \$5,020 | \$2,500 | \$1,579 |
| Sale Price | \$3,999 | \$1,823 | \$675 |
| | | | |
| may and | | a all the second | |
| Camera | PTZ | Long Range | Wide Angle |

\$2,300

\$1,714

\$2,300 **\$1.703**

Long Range

\$1,579 **\$675**

| Wide | Angle |
|---------|-------|
| \$1,579 | |
| \$672 | |

See Page 16 for Snow Stake Kits and see page for 17 for Water Monitoring Kits

Business Ready HD Relay Assisted YouTube Live Camera Streaming

- · YouTube Live from any HD Relay Camera
- World-class Customer Service & Reliable 24/7 Support
- · Give Your Viewers Control Over the PTZ Camera
- YouTube, Local, and Remote Recording



LIVE Your Business Here live

Published by HD Relay [7] • April 29 at 7:04pm

One of the Most Recognized & Revered Golf Courses in the World. Since 1919, the awe-inspiring beauty, spectacular setting and celebrated challenges of Pebble Beach Golf Links have thrilled golfers and spectators alike. With its rugged coastline, cliff-side fairways and sloping greens.

HD RELAY ASSISTED

You Tube

71,753 people reached

Remote Uplink

Optional

24/7 internet access with our Bandwidth Anywhere Kits providing an "always on" internet connection for your camera.

Need a quick portable connection?

The HD Relay Bandwidth Anywhere Kit provides 24/7 always on internet connection for all live cameras. The Bandwidth Anywhere Kit is compatible with all HD Relay Camera Hardware Packages. Our Bandwidth Anywhere Kit uses lightning fast 4G LTE connectivity providing speeds of up to 10x that of 3G connectivity. HD Relay live cameras produce high resolution images and live streaming requiring data services to be reliable and always connected. Once you power your HD Relay live camera it will automatically connect the cellular networks offering a quick and easy install. mobileRELAY · · Mobile at&t verizonwireless Keeping your remote location camera connected to the internet 24/7. Cellular service \$49/mo plus Complete Kit \$992 Reg. \$99/mo Reg. \$1,250

Camera Accessories

Optional

Camera Lens Cleaning, Solar Power, Pole Mounts, and More.

Lens Cleaning Tool

Camera Cleaning Solution



DomeCleanerPRO

Indoor/outdoor camera cleaning tool series from Dotworkz

- No Ladder or Lift Equipment Needed
- Cleans From Ground Level
- Quick and Easy Cleaning
- Light Weight Carbon Fiber
- Shipping Worldwide

Outdoor Mounts

Pole Mount, Angle Correction Plates, Corner Mounts, Parapet Arms, and More



Starting at \$47 Reg. \$87

Solar Kits

Need power where there's none? We got you covered.

Heavy Duty Shield Kits

Heavy Duty Extreme Impact Kits



25' or 40' Carbon Fiber Extension p

40 Foot Series (DW-PKG40-PRO) MSRP. \$779



Call for a free quote (866) 883-8717



KT-Shield

Starting at \$699

Reg. \$799

15

Professional Resort Snow Stake Kit

Engineered live camera streaming solutions for snow reporting in 720p or 1080p high definition crystal clear image/video quality, ice proofing, and fail proofing in all winter conditions.

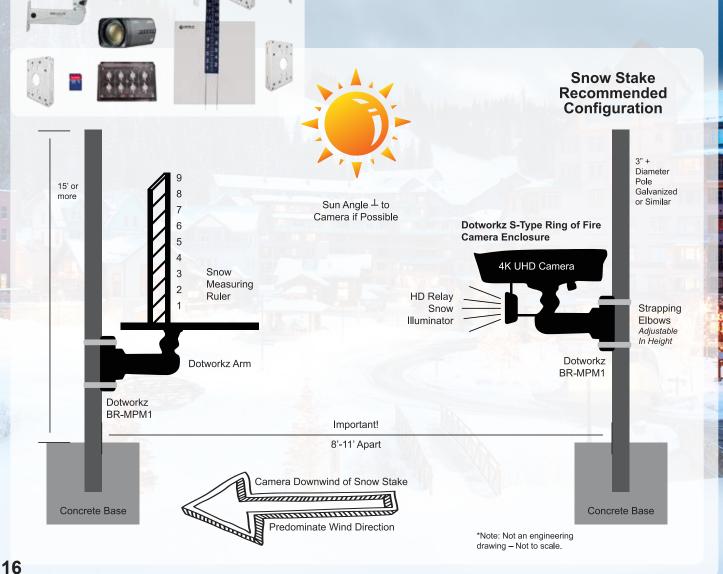
Real time and recording time lapse of snow accumulation - Visually connects the live snow conditions with skiers, TV news, and social media outlets. HD time lapse camera designed for provisional results in low to flat light conditions - System includes cold weather remote control board spectrum LED light source. Rugged de-icing outdoor camera "Ring of Fire" housing - We are cold weather camera experts! keeping your camera reliable is our job. Dedicated snow camera support - From camera set up to assisting with live system tuning and monitoring. Service Plan option - Multiple equipment and service options.

Snow Stake for Cold Weather Camera Hardware Packages

Designed and proven for mountain or cold weather environments to protect and remove rime ice and frost from obscuring camera field of view while insuring the camera never ices over (IP68). The camera housing will not rust or corrode and provides 65 Watts of de-icing power we call the "Ring of Fire".







Research Monitoring/Recording Kit

Engineered live camera streaming solutions for water monitoring in 720p or 1080p high definition crystal clear image/video quality, all weather proofing, and fail proofing in all conditions.

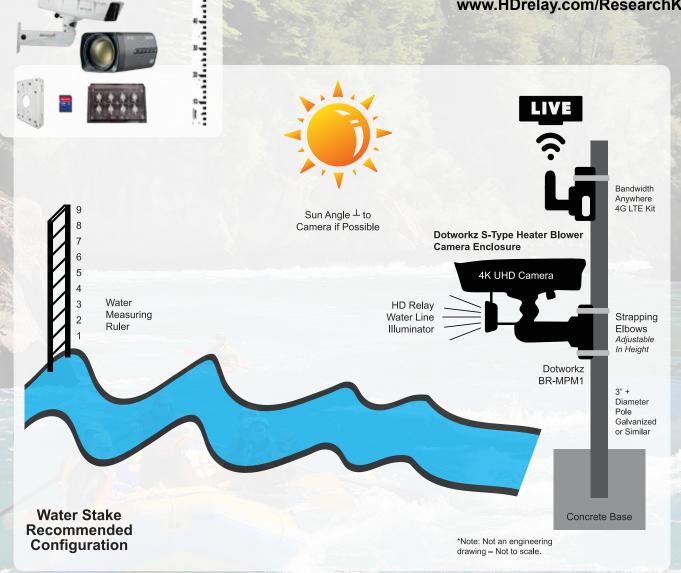
Real time and recording time lapse of stream flow - Visually connects the live water monitoring conditions with government agencies, public awareness, TV news, and social media outlets. HD time lapse camera designed for provisional results in low to flat light conditions - System includes all weather remote control board spectrum LED light source. Heater & Blower - The 5 watt heater and high blowing fan system provides the ideal internal environment. Dedicated water monitoring camera support - From camera set up to assisting with live system tuning and monitoring. Service Plan option - Multiple equipment and service options.

Water Monitoring for All Weather **Camera Hardware Packages**

Designed and proven for temperate outdoor climates. This IP68 outdoor system will keep your live outdoor camera looking good and fog free. Will not rust or corrode and protects your LIVE Camera with a 10 Watt heater and high flow fan system and powering convenience of the Dotworkz MVP system.



www.HDrelay.com/ResearchKit



Point-to-Point Wireless Network Kit

We remove the network cable between your ISP and your live camera.

With over 5 Miles between the 2 antennas, the need for extensive and expensive network cabling, repeaters, and switches are no longer the physical barriers separating your business from streaming live content around the world. We utilize Ubiquiti's NanoBeam wireless antennas to provide an easier installation and a trouble free always-on network connection between the live camera and the ISP. Incorporating innovative industrial design with proprietary airMAX® ac technology, ths solution is ideal for CPE deployments requiring maximum performance from the smallest possible footprint with excellent beam directivity providing the best performance in high-noise environments. These antennas mount to a variety of surfaces including poles or walls, and offers the freedom of three-axis alignment. No screws are required for pole-mounting, and only a single wall screw (not included) is required for wall-mounting.



Frequency: 5 GHz Throughput: 450+ Mbps Range: 10+ km (6.2 Miles)



Battery Camera Kit (Portable)

Drop a live camera anywhere with HD Relay's "Battery Cam" live camera kit.

This kit is designed to be placed anywhere at your location with no power requirements. Add as many battery cameras as you want to promote your location. The live HD camera is protected from the waterproof, corrosion proof, vandal proof, and all weather proof BASH™ camera enclosure. The

BASH[™] housing mounts securely to a 3' pole that's mounted to the Torklift Polished Aluminum Solar Powerarmor Dh. This battery system provides both 6 and 12 VDC power to the camera. Made of high-quality materials to provide power to the live camera for years to come. Designed using state-of-the-art technology and with ruggedized applications in mind, this product will last a lifetime. During the day the battery charges via the embedded solar panel while simultaneously powering the low wattage live camera. This battery system can also power the live camera all night. The built-in inverter provides safe electrical discharge to eliminate the risks of overcharging. Use our "Point-to-Point Wireless Network Kit" and extend the range these battery cameras up to 5 miles away from your ISP connection.



Provides power to your live camera all day and night!

Live Audio Kit

Live HD Audio Streaming - Superior Audio Support for the Best Live Presentation Possible.



Audio is a highly effective option that brings an added uniqueness to live cameras and your website. Our engineering team has fine tuned an audio kit that sounds incredible at a very affordable price. For optimal viewing experience, we recommend directing the microphone at nature's harmonic sounds such as birds, the ocean, rain drops, or crowd noise, connecting





ADD AUDIO TO YOUR LIVE STREAM

your viewers with greater dimension. HD Relay offers audio encoding of 160Kbps for a music event and 96Kbps for speaking or nature sounds. A single stream would typically use the AAC audio codec and for obvious reasons the higher Kbps the higher quality of audio streaming

you'll provide. Remember, you want to find the perfect balance between bandwidth requirements and audio quality. HD Relay has experience spanning as far back as 1998 and can provide you with recommendations for any location.

KT-MIC by Dotworkz Engineered for crystal clear outdoor live audio monitoring and recording.

 Extreme weather ready IP66 microphone. No power or special grounding required.
 Acoustically designed for live recording.

Solar Power Solutions

Custom solar/remote power solutions for live IP cameras including remote stand-alone solar powered kits.

Using Dotworkz technology, HD Relay has developed a complete turn-key remote solar power solution which allows for both easy installation and reliable long term performance. The systems have been engineered to protect and power sensitive video hardware that requires a consistent remote power source. HD Relay's solar power systems are uniquely built for five days of autonomy, enabling our solutions to run without solar input during extended periods of harsh weather or extreme cloud cover. This is distinctive to the majority of solar hardware on the market which is sold for non-mission critical applications or as a backup power source. These generalized applications operate for only 24 hours without sunlight so corners can be cut in battery materials, life cycles and panel output





Components:

- Solar Modules 185w-255w+
- Module Mounting brackets Module cabling kit (-48°C/ 21°C)
- AGM Batteries
- Enclosure NEMA 3R
- 1 20 amp MPPT Charge Control
- 2 Fuse and 1 Breaker system 1 - Load cabling kit
- Pre-wired, Plug and Play Ready

Purchase of Required HD Relav Service Plan - Please choose a service plan that best meets your needs.

Works with all network and CCTV cameras
 Easy install mounts in minutes.
 Can be added to existing outdoor cameras.

ProBuild service

Always Included!

We build and configure your camera system for you.

Every HD Relay camera client has different project needs which is why we developed our ProBuild camera hardware solution service group. With ProBuild you get more than just a camera from HD Relay. Each system piece of our live camera hardware is custom configured, tested, set up, packed up, and post install calibrated to insure quality and networks are optimum. Since ProBuild is included with your HD Relay hardware package there are no additional fees.

HD Relay ProBuild reduces install time – typically our customers can save a few hours or even days depending on system complexities. Since every camera system is built to order and pre-configured to your project, your team(s) installation is generally as easy as unpacking, securely mounting in place, connecting power, attaching the network cable, and then simply calling us to finalize the camera system. With ProBuild on the job, the camera install can be greatly simplified; reduced onsite labor needed while still keeping your local team involved and in the know if anything goes wrong later.

Plug-n-play: Just add power and internet.

Included with all HD Relay hardware \$450 value

Case Studies

Get over a Million and a Half Viewers in 12 months!



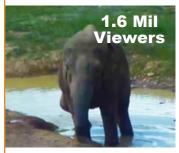
Tourism Site in San Francisco 652,790 total camera viewers for 12 months 54,399 average monthly viewers

> Hampton Beach in New Hampshire 707,102 total camera viewers for 12 months 58,925 average monthly viewers http://www.hamptonbeach.org/beach-cam/

PRO

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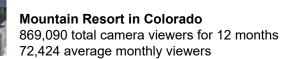
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Elephant Sanctuary in Tennessee (3 Cameras) 1,572,439 total camera viewers for 12 months 43,679 average monthly viewers per camera https://www.elephants.com/elecam

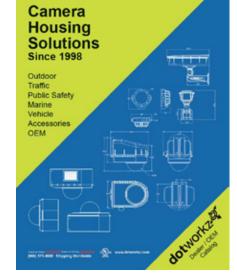
Pebble Beach Golf Courses (5 Cameras)

1,278,900 total camera viewers for 12 months 21,315 average monthly viewers per camera https://www.pebblebeach.com/golf/pebble-beach-golf-links/live-golf-cams/





19



(866) 883-8717 Why HD Relay

HD Relay is the leading remote IP video monitoring solutions provider for managing, hosting, and maintaining live streaming video camera systems.

Lifetime Warranty on all Camera Hardware

All HD Relay Camera Hardware Packages Come With A Lifetime Warranty With Active Service.

Support & Training

We have live camera specialists ready to help.

Consulting & Engineering

Our qualified staff is ready to help customize and design a live camera system that meets your needs.

ProBuild

We get your next camera system online faster and without the headache.

Availability

World Wide Shipping

Contact Us (866) 883-8717 info@hdrelay.com

Shipping Address 3688 Midway Drive San Diego, CA 92110

Support help@hdrelay.com (619) 270-8417

CALL FOR SPECIAL VIP PRICING



Money Back Guarantee

From hardware to service, if you're dissatisfied with any HD Relay product or service, simply call us at (866) 883-8717 and we can refund your money anytime. We mean every word of it - Whatever the reason, whenever it happens, always.

www.HDrelay.com (866) 883-8717 USA Made Products

