

A large white banner is suspended in the air by two red cranes. The banner features a black logo consisting of a triangle and a circle, followed by the text "VIDEO GORILLAS" in a bold, sans-serif font. The background is a cloudy sky with a bright light source on the left.

VIDEO
GORILLAS

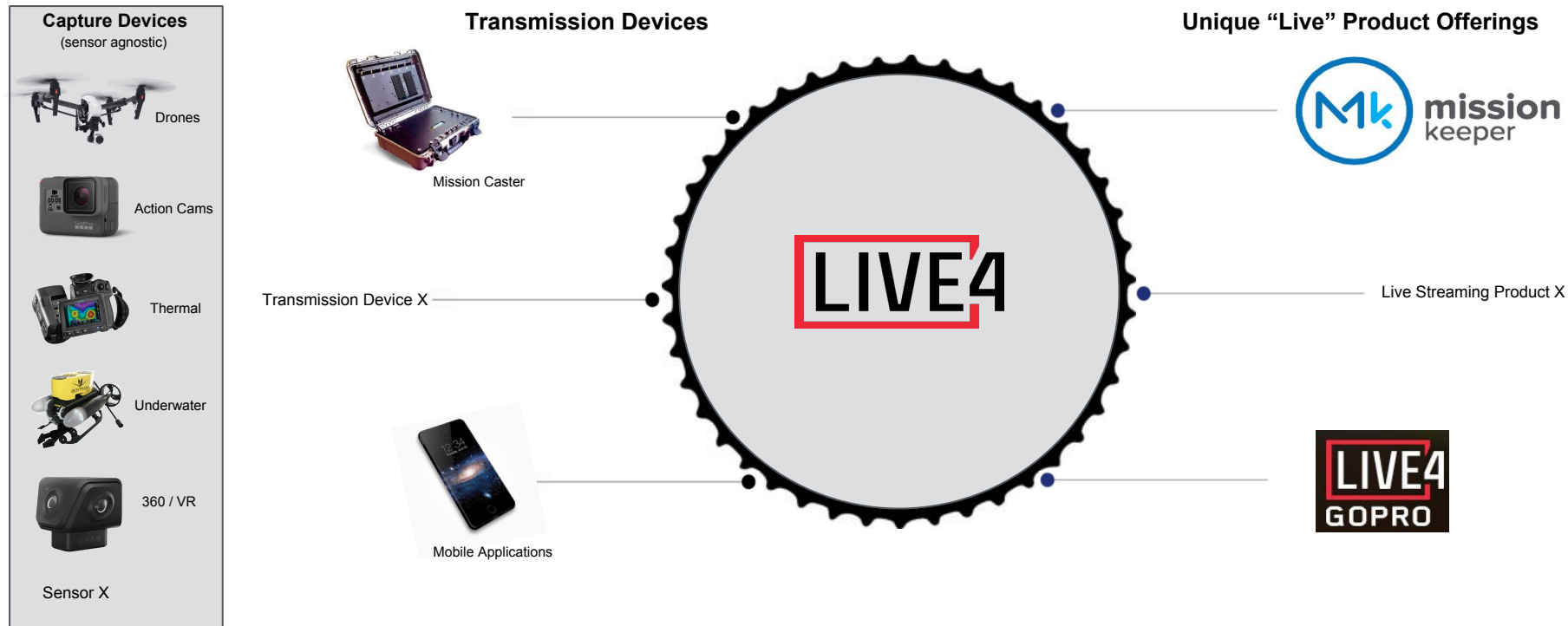
Jason Brahms | CEO | jasonbrahms@videogorillas.com

<http://videogorillas.com>



VIDEO GORILLAS

LIVE4 | LIVE STREAMING “PLATFORM”

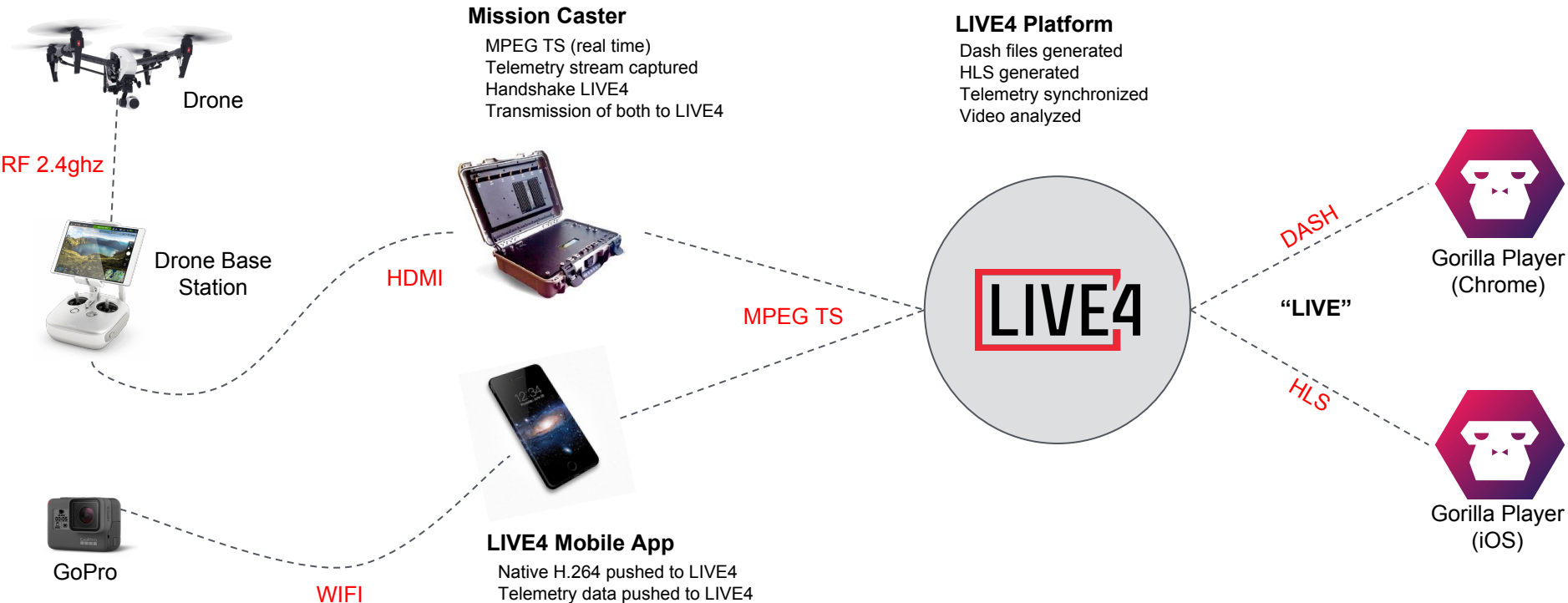




LIVE4 | LIFE OF A STREAM - EXAMPLE

VIDEO GORILLAS

Capture → **Transmission** → **Platform** → **Player**



Mission By Michael

Stream from Michael

Users

- Michael Owner
- Jason Observer

Chat

No messages yet

Weather

Map

Google

Bartonville, TX

Clear 59°F 18%
Wind 6.70mi/hr | 18° 12 minutes ago

Hourly forecast

10PM	Clear	55°F
	Wind 10mi/hr 17°	90% in 21 minutes
11PM	Clear	54°F
	Wind 10mi/hr 17°	83% in 16 hours
12PM	Clear	52°F
	Wind 10mi/hr 17°	56% in 2 hours

Source: 0 Galaxy Tab A 10.1 | Unassigned

Texas, USA



VIDEO GORILLAS

LIVE4 | CONSUMER AND B2B PRODUCT COMPARED



Consumer Product



B2B Product

Business Drivers:

Stream Interruption support
Open System | Public Sharing
Broad Audience
Entertainment content

High Fidelity | Low Latency
Closed System | Secure Sharing
Focused Audience
Business specific content

User Type:

Individual

Enterprise

Usecases:

Action Sports Share

Cell Tower Inspections
Natural Disasters
Insurance Inspections
Security

=



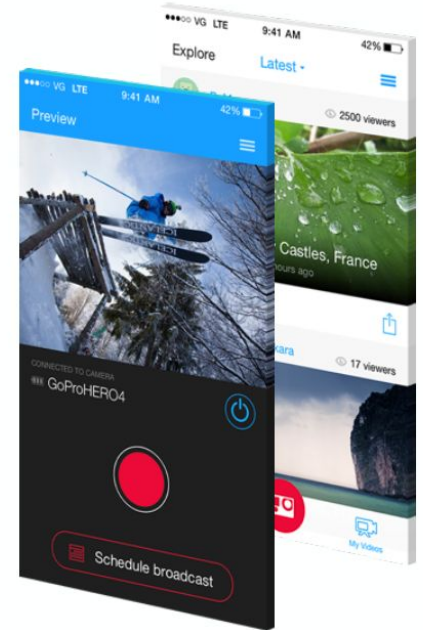


(www.live4.io)

Live Streaming from a variety of sources. Live4 enables users to broadcast live events right from their source camera using any iOS or Android phone that has a 4g connection.

Live Coverage, Live Connection:

GoPro & Action Cams
Mobile, iOS / Android
Drones





LIVE4: LIVE SENSOR TECHNOLOGY



Western Australia, Australia



Live Device-Sensor Inputs:

- GPS Route Mapped
- Speed Measured
- Acceleration Triggers

Automatically **highlights** exciting moments

https://live4.io/stream/930093053699892/4151942887791202595_GOPR0017.LRV

<https://live4.io/stream/388026334696229/GOPRO20141123175845.MP4>



VIDEO
GORILLAS

THANKS!

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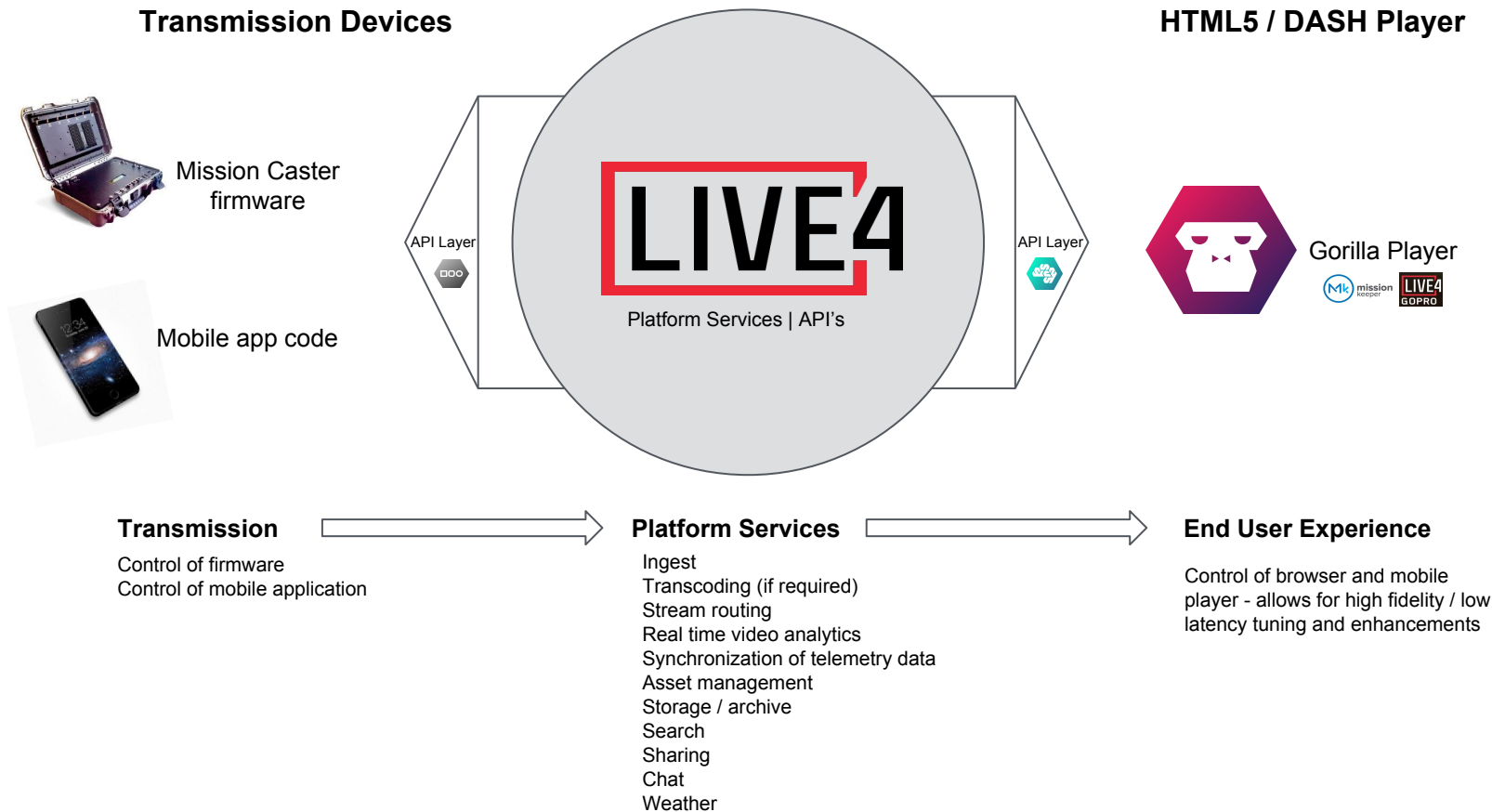


SUPPORTING MATERIALS



VIDEO GORILLAS

LIVE4 | CONTROL FROM TRANSMISSION TO CONSUMPTION

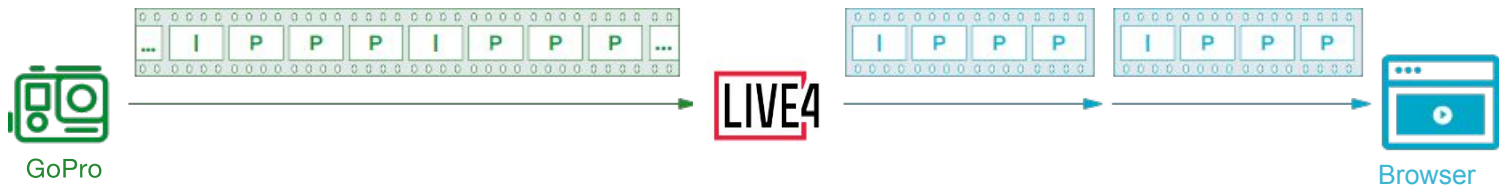




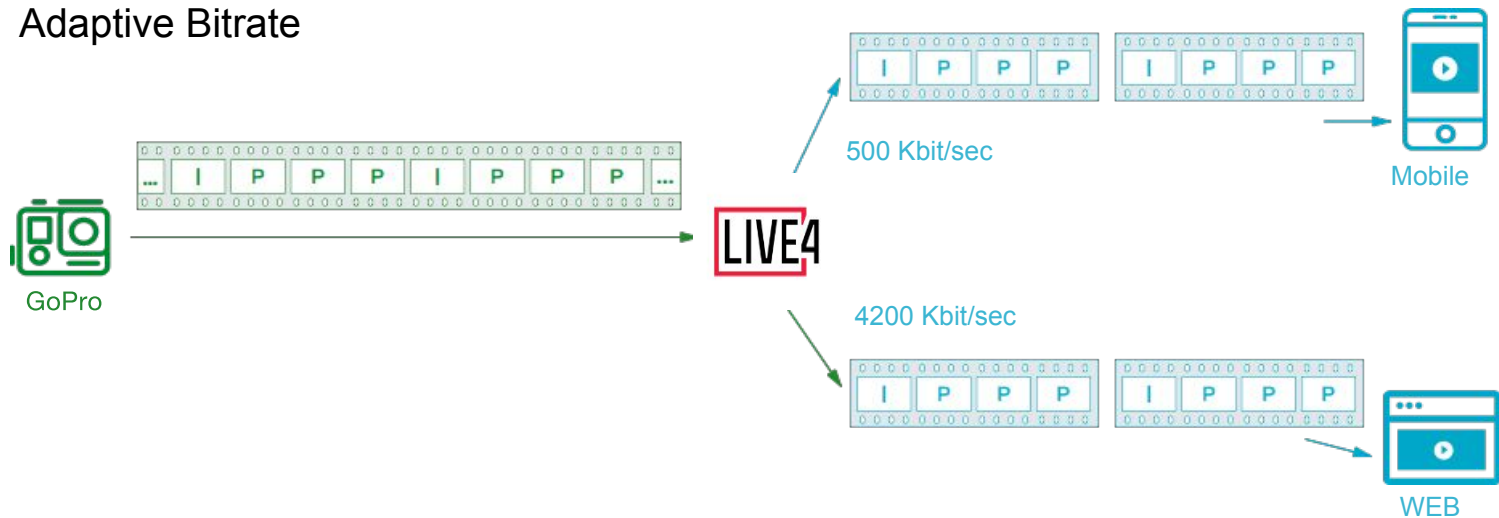
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ADAPTIVE BITRATE STREAMING

Video Source



Adaptive Bitrate



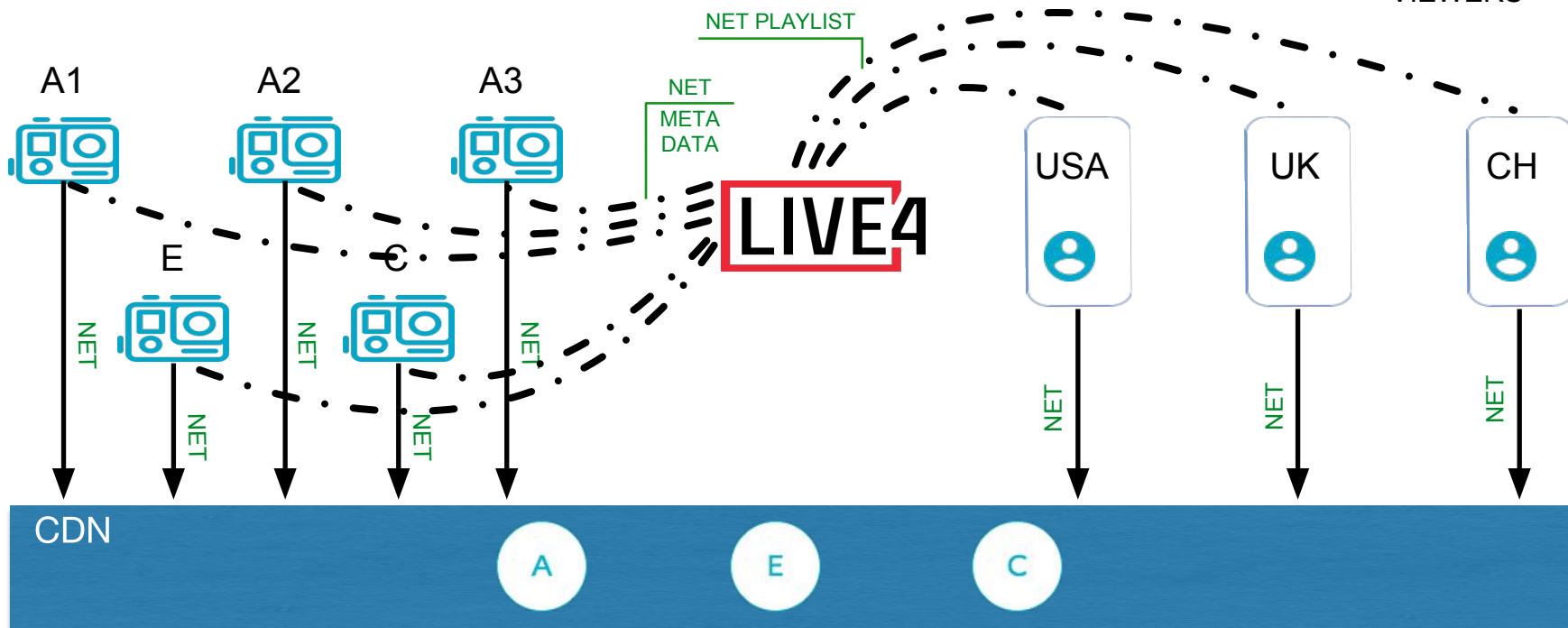


VIDEO GORILLAS

SCALING OF VIDEO STREAMING SERVICE

LIVE. CDN. PRO. SCALING

BROADCASTERS





A pure cloud-based, highly secure, intuitive, collaborative environment for all your video and data regardless of source. The MissionKeeper service is accessible from desktops, laptops, tablets, and smartphones. Video and data is compiled from airborne, mobile devices, security cameras, and sensors. Industries include: Industrial Inspection, Public Safety, Security, Underwater Search and Rescue, Insurance - Claims processing, Entertainment



Custom implementation built on LIVE4 platform for non-consumer market with additional feature sets:

- ✓ Organization Management with diverse security groups
- ✓ Hardware inventory management (drones, mobile devices, custom streaming devices)
- ✓ Mission scheduler, mission browser and mission viewer
- ✓ Audio and text chat within the mission
- ✓ Map and weather overlay
- ✓ Analytics

ROADMAP



V0

LIVE GoPro videos streaming

- › Facebook login
- › Broadcast video
- › Share link to broadcast
- › Set camera time on connect
- › Finishing broadcast upload if bandwidth wasn't good enough for live broadcast
- › Geographical place tracking and recording

V1

Enhanced Sharing and Searching!

- › Automatic sharing of the broadcast
- › Ability to upload hi-res videos on the camera and iPhone to the cloud
- › Ability to search videos uploaded to the cloud

V2

Richer meta-data

- › Real time geo-location mapping
- › Broadcast with full SD card or no SD card
- › Browse and edit your channel in the cloud

V3

Advanced Sharing Tools and Features

- › Light weight editing
- › Library management
- › Sharing to many social networks
- › Clipping and storing "favorite moments" from live stream and library content
- › Group broadcast management

Feature Set

Live Inputs

- Smartphone camera - iOS & Android devices
- GoPro live streaming
- Custom server-side supports latest web protocols

Live Outputs

- iOS & Android
- HTML5 mobile web
- Desktop Safari & Chrome

Product Features

- Web version with embeddable videos
- Auto-posting to Facebook or Twitter
- Live chat
- Like ribbon
- Sharing via text, email, Twitter, Facebook, etc
- Location sharing
- Public & private video options
- Web map
- Web speedometer

Technology

Video

- Full res streaming, up to 1080p, with hardware transcode
- View counter
- Accelerometer triggered video tagging
- GPS, location, and speed (mph) tagging
- Video metadata (GPS location, speed, etc)

Audio

- Audio tagging, indexing, and search
- Speech tagging
- Audio metadata (activates real-time audio search, i.e., music & speaker recognition)



VIDEO GORILLAS

WHO WE ARE AND WHAT WE DO

Video Gorillas is an international technology development firm with headquarters in California and development labs in Kiev, Ukraine, Central and Eastern Europe. Proud authors of multiple patents in audio and video analysis, and video streaming, we offer expert consultancy, cutting edge products, end-to-end solutions and R&D support services.



RELEVANT PRODUCTS

HTML5 DASH Player



Gorilla Player

Real Time Video Analytics |
Machine Learning



Gorilla Brain

Live Streaming Platform





DOMAIN EXPERTISE

VIDEO GORILLAS

- algorithm research
- development and optimization for computer vision
- image and video analysis with focus on image fingerprinting and search
- motion analysis
- machine learning (neural networks, deep learning, supervised and unsupervised learning)
- natural language processing
- neural language modeling
- image and audio analysis algorithms
- video engineering
- video processing
- web applications with the focus on video streaming
- low level video/audio handling on the client and server side
- high-performance applications development
- system performance optimization
- augmented reality
- front-end development of solutions for desktop and mobile
- front-end development of responsive design solution
- cross-browser/ multiple platform support
- high-load computing and scalability
- architecting cloud and hybrid solutions