



VISIT THE EAGLE EYE VIDEO API PLATFORM
developer.eagleeyenetworks.com

Eagle Eye Video API Platform

Expand your security capabilities with integrated applications

The image displays three overlapping screenshots of the Eagle Eye Networks developer portal. The top screenshot shows the main landing page with the headline "Easily integrate video in your application" and a "START BUILDING" button. The middle screenshot shows a code editor with a REST client interface, displaying a GET request to "/api/cameras/" and its JSON response. The bottom screenshot shows the "Getting started" guide, which includes sections for "Introduction" and "Get an account".

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Easily integrate video in your application

Add more customer value, extend your platform's capabilities, and gain a competitive edge.

START BUILDING

```
200 # ee = session['ee']
201
202 logging.debug(een.get_list_of_cameras())
203
204 values = {
205     "current_user": een.current_user,
206     "cameras":
207         een.cameras,
208     "camera_count": len(een.cameras),
209     "camera_count_online": len([f for f in een.cameras if f.is_online()]),
210     "camera_count_offline": len([f for f in een.cameras if f.is_offline()])
211 }
212
213 return render_template('cameras_partial.html', template_values=values)
214
215 @app.route('/camera/esp/')
216 @login_required
217 def camera_live_previes(esp=None):
218
219 # get ee instance from session, @login_required already checked for it
220 ee = session['ee']
221
222 camera = een.get_camera_by_id(esp)
223
224 values = {
225     "current_user": een.current_user,
226     "camera":
227         camera,
228     "previous":
229         previous
230 }
```

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Getting started

Introduction

Welcome to the Eagle Eye Networks REST API v3, the fully redesigned and improved API for the Eagle Eye Video API Platform. The Eagle Eye Video API Platform is the cloud behind the [Eagle Eye Cloud VMS product](#).

The Eagle Eye Video API is a comprehensive RESTful API for recording, indexing, and storing camera video. It handles all the heavy lifting of interfacing with the cameras, recording video, securely transmitting video to the cloud, storing video, and making video available for use by your applications.

This guide will walk you through your first steps to help you get started.

1 - Get an Account | **2 - Client Credentials** | **3 - CORS Whitelisting** | **4 - Start Integration**

Get an account

Before you begin your integration with the Eagle Eye Video API Platform, you need an account for development and testing.

If you already have an account, use it. Otherwise, you can create a new one [here](#).

Tip: Consider enhancing your development experience with our Developer Hardware Kit, offered at a significant discount for developers. The kit includes an Eagle Eye bridge and multiple

Integrate with the award-winning Eagle Eye Cloud VMS

The Eagle Eye Video API Platform enables businesses to seamlessly integrate surveillance video for virtually any application. Add modern cloud video surveillance with artificial intelligence to existing security, access control, or building automation products as well as numerous applications from adjacent industries. This platform is the driving force behind the Eagle Cloud VMS (video management system) - powering the web, mobile, and all third-party integrations.

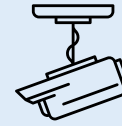
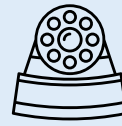
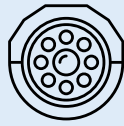
Streamline development

This modern, cloud-based REST API platform minimizes development time and maximizes the ability to integrate the power and flexibility of the Eagle Eye Cloud VMS. Connect cameras, audio, data analytics, and advanced AI functions through this industry-leading API interface.

The Eagle Eye Video API Platform consists of a developer portal with documentation for software developers. It is intended to assist and guide users writing an integration of third-party tools or applications to the Eagle Eye Cloud VMS. The platform handles all of the heavy lifting, allowing developers to expand their desired ecosystem using the functions of the VMS including:

- Interfacing with cameras
- Recording video
- Transmitting video to the cloud
- Storing video
- Analyzing data using artificial intelligence





Connect cameras, audio, data analytics, and advanced AI functions through this industry-leading API interface.

Benefits of the Eagle Eye Video API Platform

The globally accessible REST API and powerful Mobile and Web SDKs create integration opportunities outside of traditional physical security applications. The architecture is designed in accordance with the latest standards and best practices (REST & OAS 3.0). These enhancements make the platform faster and more reliable, particularly for managing accounts with a large number of cameras.

KEY FEATURES

- Authentication via OAuth 2.0
- Live and recorded video and audio
- Full and preview video quality
- Advanced AI and video analytics, events, alerts, and notifications

BENEFITS

- Secure OAuth 2.0 cloud authentication to thousands of IP cameras
- 2-Way Audio for bi-directional communication
- RTSP support for live and recorded video
- Easy media integration (HLS, RTSP, MP4)
- SDKs for faster integrations on Web, Android, and iOS
- Accelerated time to market for integrated solutions
- Freely distributed REST API and development portal for integration
- Modernized web interface and detailed documentation for API developers
- Seamless integrations of cameras and cloud storage
- Access to video recording, transmission, and secure cloud storage

Integrate, expand, and customize

Technology partners, resellers, and end users are already using the Eagle Eye Video API Platform to expand and customize their security profile, build their own custom apps, and even generate new revenue streams.

Here are just some of the integration possibilities with the Eagle Eye Video API Platform:



ACCESS

Connect surveillance video to access control timelines, showing video clips when doors and gates open



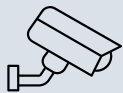
ADVANCED ARTIFICIAL INTELLIGENCE (AI)

Integrate AI and video analytics to improve security and operations



INTRUSION

Integrate with intrusion systems to show video in connection with alarms



MONITORING

Use video surveillance to quickly evaluate alarms in alarm receiving centers



POINT OF SALE

Tie video of transactions to PoS applications to reduce loss



PARKING

Use surveillance cameras to read license plates and open gates using the AI-powered Eagle Eye LPR



GENERATE NEW REVEUE

One parking payment
and management platform,
generated 10X ROI in 6
months for their customer
after integrating with the
Eagle Eye Video API Platform.

10x
ROI IN SIX
MONTHS

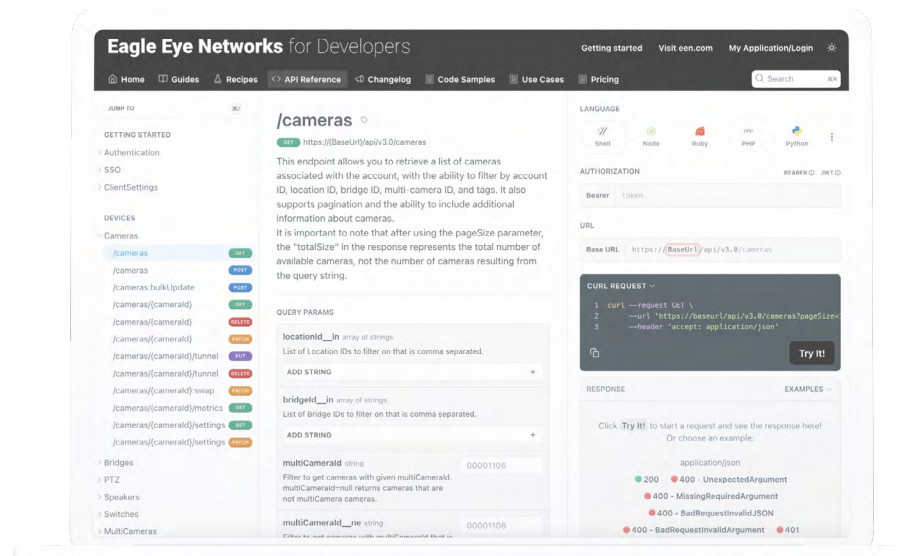
95%
VIOLATORS CAUGHT
INSTANTLY

100%
VIOLATORS
PAID/MOVED
AFTER WARNING

[LEARN MORE](#)

User-friendly developer portal

Streamline development and reduce your time to market with the updated and user-friendly developer portal. Code snippets for all API calls and detailed code samples for complete use cases all live within the developer portal. The carefully designed API is efficient and reliable and future proofs your development investment so you can focus on your core business as opposed to constant code updates.



Video and audio service specifications

- Playback of locally stored video (camera Edge, Bridge, CMVR) via cloud API
- Live video streaming (RTSP, RTSP over HTTPs, HLS, RTSPS, FLV, MP4)
- Live audio streaming (G.711, AAC)
- Video recording: up to 8MP
- Supported video formats: H.264
- Audio recording supported (G7.11,AAC)
- Easy video export (MP4)



Designed for all integration partners

The Eagle Eye Video API Platform fits the needs of partners of all types.

SECURITY TECHNOLOGY PARTNERS

Security focused systems that require the video from a VMS to enhance their software. Examples include access control, intrusion detection, and control room systems. Eagle Eye customers typically use the Eagle Eye Cloud VMS together with other security systems.

VERTICAL TECHNOLOGY PARTNERS

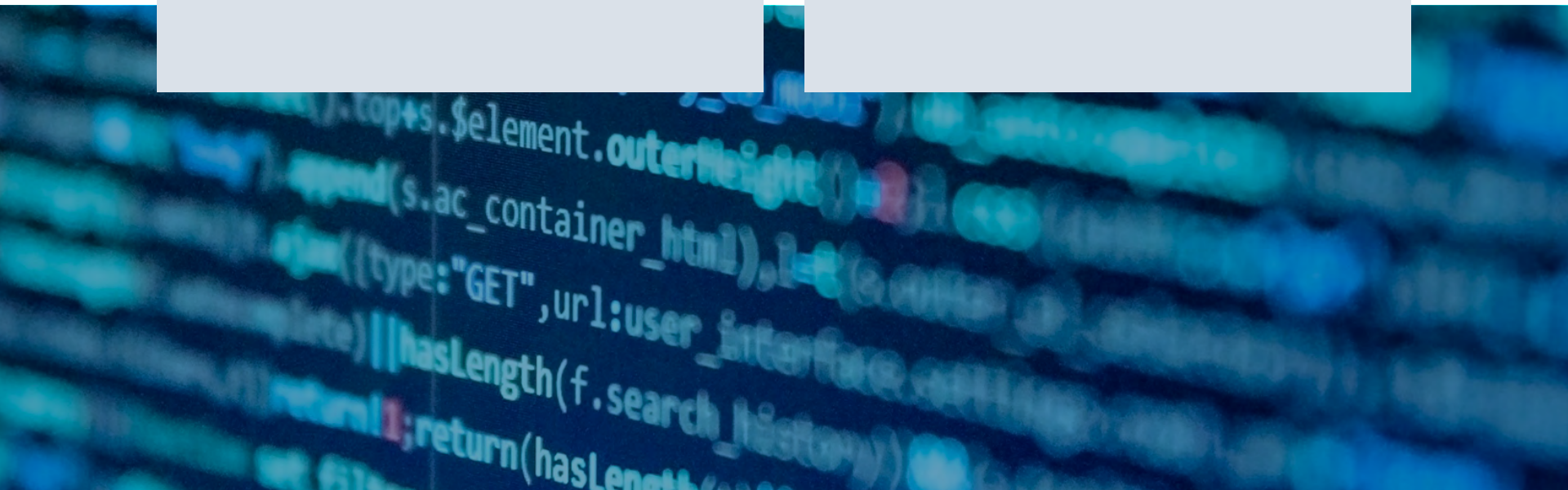
Non-security systems that add value to their application by integrating surveillance video. Examples include point of sale, parking enforcement, and training applications.

EMBEDDED TECHNOLOGY PARTNERS

Technology partners that build their own product on top of the API for their customers. The user interface uses Eagle Eye technology without explicitly featuring it.

PROPRIETARY TECHNOLOGY PARTNERS

Partners that integrate the API only for their own internal use. Examples include implementing data for internal reporting or creating a custom camera dashboard.



Start integrating with Eagle Eye Networks today

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