



Turing & Immix Cloud to Cloud Integration Configuration Guide



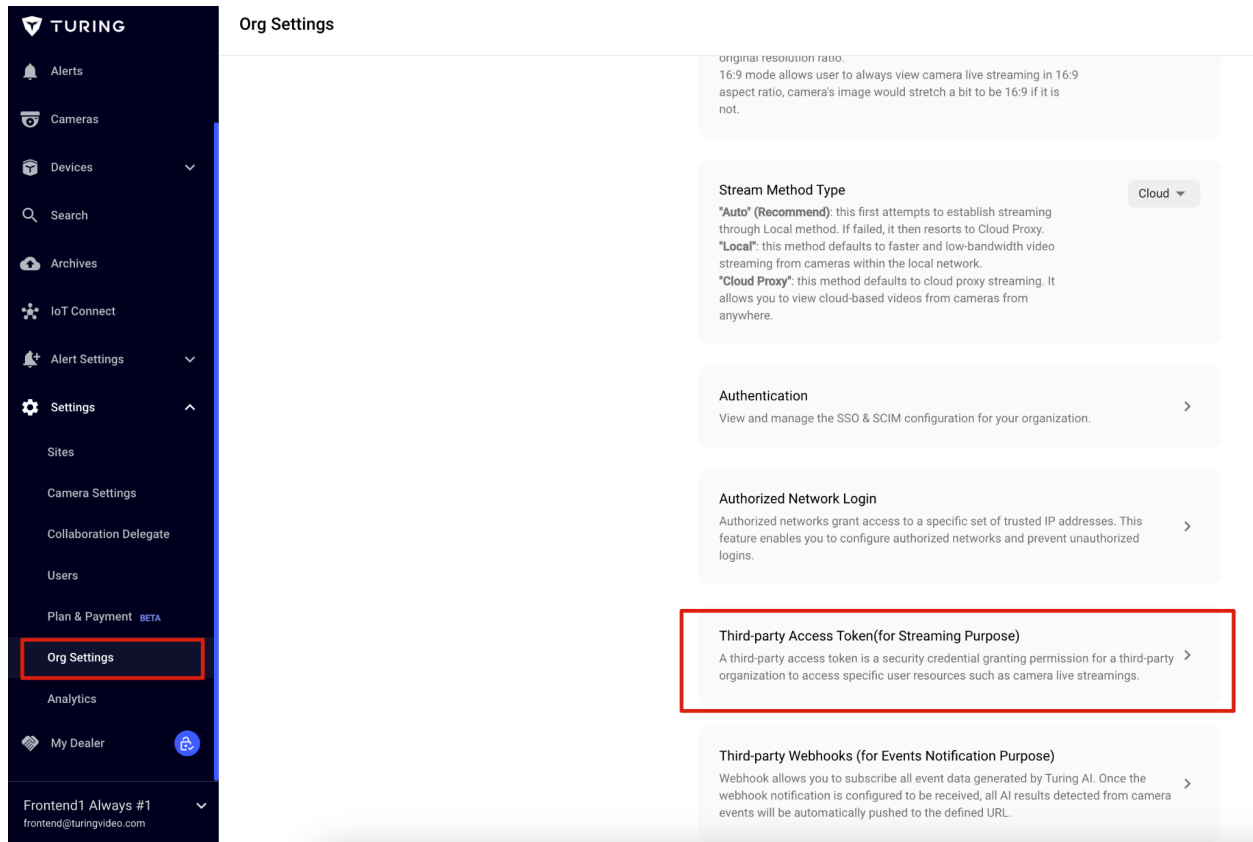
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Step 1: Get Integration Token from Turing Vision

1.1 First make sure the user login as the Vision owner user role. Otherwise users may not see these settings.

1.2 Please go to Settings → Org Settings, and Select Third-party Token.



Note: if the user has logged in as Vision owner role and still cannot see it, it may be due to the account not enabling the feature, please contact the Turing Support team to enable the feature.

1.3 Create add Access token button to continue

← Third-party Access Token(for Streaming Purpose)

+ Add Access Token

Token Name	Expires At	Last Edited ↓
123	--	Nov 26, 2024 at 21:46:00 pm
test-xg	--	Sep 11, 2024 at 09:15:27 am
test	--	Sep 10, 2024 at 10:39:39 am
test-xg	--	Aug 19, 2024 at 10:40:50 am
rtsp-test	--	Aug 18, 2024 at 20:58:27 pm
test	--	Aug 16, 2024 at 23:51:31 pm
test	--	Aug 16, 2024 at 23:15:12 pm
test-test	--	Aug 16, 2024 at 20:25:55 pm
test-accesstoken	--	Aug 12, 2024 at 09:58:49 am
test	--	Aug 11, 2024 at 12:19:44 pm

Rows per page: 10

1-10 of 27

<

>

Note: A user can configure multiple tokens for different third-party applications

1.4 Enter in Token Name and choose expiration date.

1.5 Then configure permission based on site, you can allow 3rd party systems to access all sites or partial sites.

← Add Third-party Access Token(for Streaming Purpose)

Save

Basic Information

Token Name *

⊞ Immix Integration

Expires At

⊞ Do not expire

Permissions

Site	Role
a	Integrator
Axis	Integrator
▶ cloud test 1	Integrator
Hangzhou	No Access
lht test333	No Access
lht test alert rule	No Access
Morris's Home	No Access
▶ Qbay	No Access

1.6 After clicking Save, a window with the token will appear. Copy the token and save it somewhere, we may need it later.



Access Token Created Successfully. Please Copy the Token

Please copy the access token and store it securely.
You won't be able to view it again.

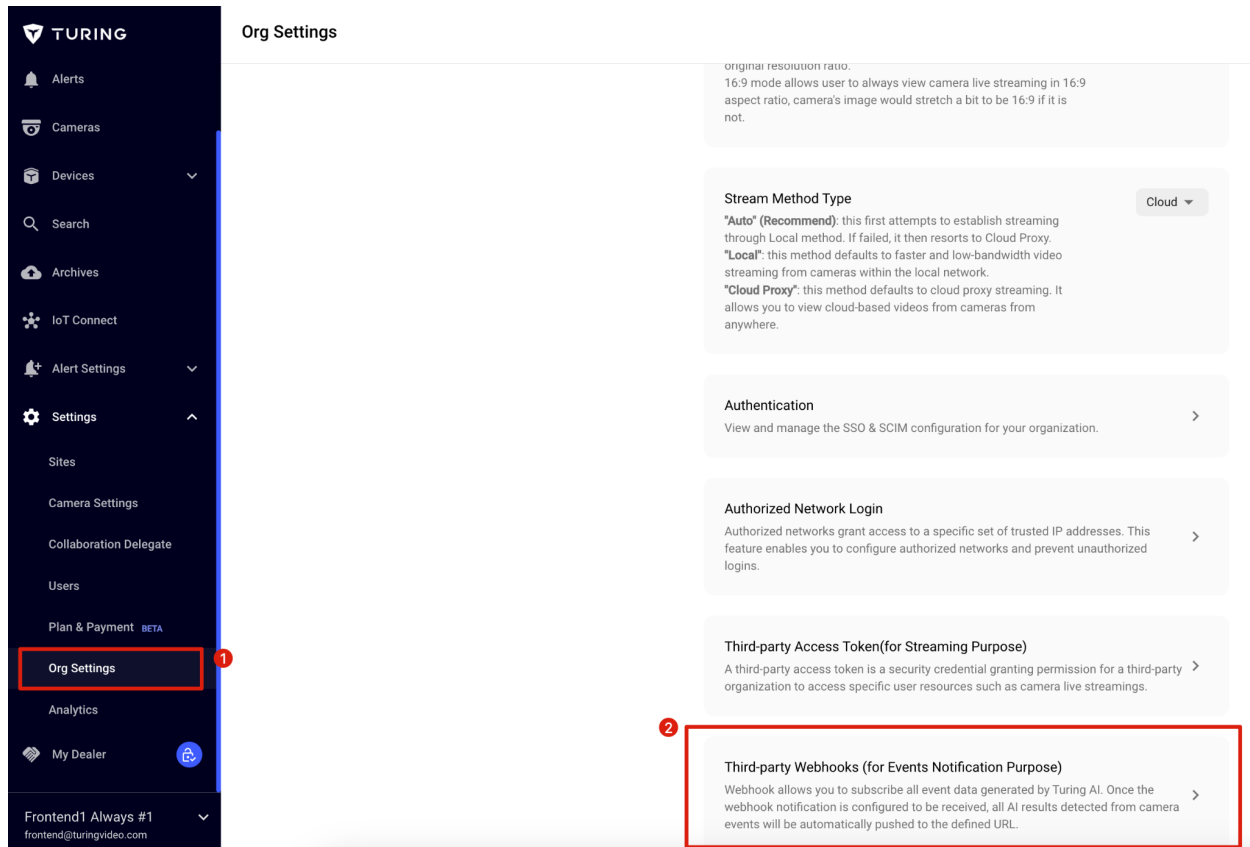
859cf1232480[REDACTED]b73d19bb8c39d3



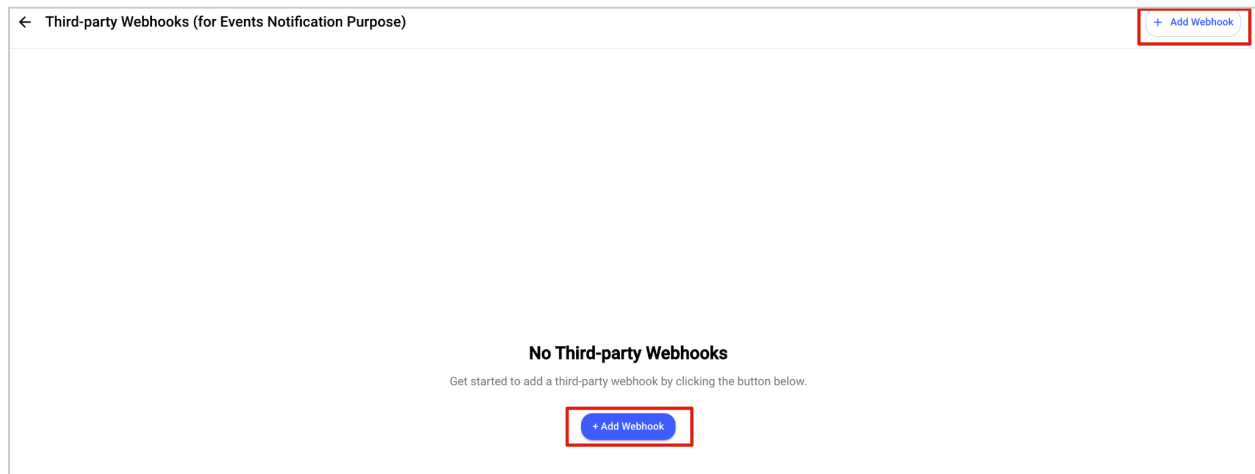
Close

Step 2: Enable Webhook(Allow Turing Vision send Events to 3rd party System)

2.1 Please go to Settings → Org Settings, and Select Third-party Webhooks.



2.2 Click Add Webhook to create a new Webhook



- 2.3 Ensure the Webhook toggle is on, which is on by default.
- 2.4 Enter Webhook name, it can be any name for easy remember
- 2.5 Enter Payload URL, which is the Alarm receiver server URL, this must be correct
- 2.6 Select Event triggering options, select all of them.
- 2.7 Click Save Changes to continue.

To push events to the Immix server, Vision must be pointed at the right URL.
In most cases, this alarm receiver URL corresponds to your Immix alarm receiver address.

Alarm Receiver Explained (advanced)



Important: Please provide the alarm Immix Turing Alarm Receiver URL to Turing, this require must be made to Turing. Example URL: **`https://MyImmix.net/TuringAlarm`**

Note: For Immix, the payload URL looks like: <https://xxxxx/TuringAlarm>

You should attach TuringAlarm after your Immix Server address.

For example: **`https://partner.immixcs.net/TuringAlarm`**

← Add Third-party Webhook

Discard Changes

Save Changes

To learn more about Turing third-party webhooks integration, please visit [Turing Webhook Documentation](#).

☒ Webhook

Webhook Name *

Immix Integration

Payload URL *

`https://partner.immixcs.net/TuringAlarm`

This is your custom endpoint that can receive the POST requests to receive the event data.

Secret

Enter Secret (this is optional)

This is a secret key for signature verification.

Event Triggering Options

☒ People events after creation

The payload will include basic people event information.

☒ People events after processed

The payload will include data from Facial Recognition (FR) showing detected people names, human attributes.

☒ Vehicle events after creation

The payload will include basic vehicle event information.

☒ Vehicle events after processed

The payload will include data from License Plate Recognition (LPR) showing detected vehicles, including vehicle's color, make, and model.

← Third-party Webhooks (for Events Notification Purpose)

+ Add Webhook

Webhook Name	Payload URL	Status	Last Edited	Actions
Immix Integration	<code>https://partner.immixcs.net/TuringAlarm</code>	Active	11/29/2024, 9:32:49 PM	

Step 3: Configure Alert Rules and Notifications

In order to have Immix Server receive Alerts, we must configure Alert Rules in Vision.

Please navigate to the Vision Web Portal —> Alert Settings —> Rules and Notifications to setup Alert Rules

Rules & Notifications

Al Alerts Device Health Alerts

Search in alert rules Site: All

Alert Rule	Site	Cameras / Sensors	Recipient
lht vehicle Vehicle All vehicles Every day: All day	Demo Site 4 - Irvine, CA Irvine, California	All cameras	
lht All people Demo Site1 People All people Every day: All day	Demo Site 1 - San Mateo, CA San Mateo, California	All cameras	lihaitao@turingvideo.net
All people Demo Site2 People Unknown people Every day: All day	Demo Site 2 - San Jose, CA San Jose, California	All cameras	
unknown people test People Unknown people Every day: All day	Demo Site 2 - San Jose, CA San Jose, California	All cameras	
Janitor (Smart Alert) People Janitor L Every day: All day	Demo Site 3 - San Jose, CA San Jose, California	All cameras	

Step 4: Configure on Immix Portal

After enabling 3rd Party Integration with Immix on Turing Vision, you'll need to go to Immix Portal to complete setup.

4.1 Add a new Site or Edit an existing Site

immix Turing

TuringUser Logout

Dashboard Alarms Setup Events Cameras

Help & Support

SETUP

What would you like to do?

SITES

- + Add a Site
- + Edit Sites
- + Data Import

USERS

- + Add a User
- + Edit Users
- + Link SSO

SCRIPTS

- + Add a Script
- + Edit Scripts

SETTINGS

- + Edit Settings

4.2 Click Manage Device and Alarms

The screenshot shows the 'EDIT SITE' page for 'TURING CHINO HILLS OFFICE'. The page has a dark header with the 'immix Turing' logo and user information. Below the header is a navigation bar with 'Dashboard', 'Alarms', 'Setup', 'Events', and 'Cameras'. A 'Help & Support' button is in the top right. The main content area is titled 'EDIT SITE' and contains a 'SITES LIST' on the left and 'SITE ACTIONS FOR TURING CHINO HILLS OFFICE' on the right. The 'SITES LIST' includes a search bar and a tree view with 'Turing' as the parent and 'San Jose Edge+ test', 'Turing Chino Hills Office' (selected), and 'Turing Test Site A' as children. The 'SITE ACTIONS' list includes: 'Edit Details', 'Manage Devices and Alarms' (highlighted with a red arrow), 'Manage Maps', 'Manage Scheduled Patrols', 'Manage Site Disarm Schedule', 'Alarm Disarm Schedule', 'Expected Alarm Schedule', 'Autohandle Schedules', 'View Summary', and 'Setup History'. A 'KEY' section at the bottom right defines icons for Monitoring Station, Site, Disabled Site, Orphaned Site, and Customer.

4.3 Click Add a Device

The screenshot shows the 'EDIT DEVICES FOR: TURING CHINO HILLS OFFICE' page. The page has a dark header with the 'immix Turing' logo and user information. Below the header is a navigation bar with 'Dashboard', 'Alarms', 'Setup', 'Events', and 'Cameras'. A 'Help & Support' button is in the top right. The main content area is titled 'EDIT DEVICES FOR: TURING CHINO HILLS OFFICE' and contains a breadcrumb trail: 'Devices' > 'Cameras' > 'Multiviews' > 'Splits' > 'Tours' > 'Audios' > 'Relays' > 'Access Points' > 'Alarms' > 'Alarm Groups' > 'Audio Groups' > 'Summary'. Below the breadcrumb trail is a 'CURRENT DEVICES' section with a table that has columns: 'DEVICE NAME', 'DEVICE TYPE', 'IP/HOST', 'PORT', and 'PASSTHROUGH'. The table is empty. To the right of the table is a '+ Add a Device' link, which is highlighted with a red arrow. There are 'NEXT' buttons at the top right and bottom right of the 'CURRENT DEVICES' section.

4.4 Select Show All, Choose Turing as Device Type

immix Turing TuringUser | Logout

Dashboard Alarms Setup Events Cameras Help & Support

EDIT DEVICES FOR: TURING CHINO HILLS OFFICE

Devices Cameras Multiviews Splits Tours Audios Relays Access Points Alarms Alarm Groups Audio Groups Summary

DEVICE DETAILS

Device Type Filter

☐ Video Devices

☐ Alarm Panel

☐ Access Control

☒ Show All

Device Type * Turing

Title * Turing

CONNECTION DETAILS

Used to connect to the device for monitoring. Obtain these details from the person who installed the device.

Connection details are configured via the UAC setup page.

IP/Host

Port 0

Ports must only contain numeric values.

Username

DETECT DEVICE CONFIGURATION

GET CONFIG

DONE CANCEL

fields marked with * are required

Select Show/All Then choose Turing from drop down list

4.5 In Access Token field, copy the generate Token from Vision and paste here
And Enter Site Name, Site name must be exactly the same as the Site name from Vision.
Add one Site at a time. You can use the same Access token when adding multiple Sites

CONNECTION DETAILS

Used to connect to the device for monitoring. Obtain these details from the person who installed the device.

Connection details are configured via the UAC setup page.

IP/Host

Port 0

Ports must only contain numeric values.

Username

Password

Access Token b48a1c...f17948cb9b54dc

Required: Used for authenticating to the Turing API.

Site Name Chino Hills Offices

Optional: Used to filter cameras from a particular site; name must be exact match.

Access Token can be retrieved from Turing Vision -> Settings -> Org Settings

Site name must be exactly same as the Site name which you want to import from Turing Cloud

DONE CANCEL

fields marked with * are required

VIDEO SETTINGS

☐ Use Breakthrough

4.6 Click GET CONFIG button, if everything works properly, you shall see Camera and Alarm list show up. (Super easy for Device and Site onboarding)

immix Turing | Dashboard | Alarms | Setup | Events | Cameras | Help & Support

EDIT DEVICES FOR: TURING CHINO HILLS OFFICE

Devices | Cameras | Multiviews | Splits | Tours | Audios | Relays | Access Points | Alarms | Alarm Groups | Audio Groups | Summary

DEVICE DETAILS

Device Type Filter: ☐ Video Devices, ☐ Alarm Panel, ☐ Access Control, ☒ Show All

Device Type *: Turing

Title *: Turing

CONNECTION DETAILS

Used to connect to the device for monitoring. Obtain these details from the person who installed the device.

Connection details are configured via the UAC setup page.

IP/Host

DETECT DEVICE CONFIGURATION

GET CONFIG ↻

DONE **CANCEL**

fields marked with * are required

DEVICE DETAILS

Device Type Filter: ☐ Video Devices, ☐ Alarm Panel, ☐ Access Control, ☒ Show All

Device Type *: Turing

Title *: Turing - Chino Hills Office

CONNECTION DETAILS

Used to connect to the device for monitoring. Obtain these details from the person who installed the device.

Connection details are configured via the UAC setup page.

IP/Host

Port: 0

Ports must only contain numeric values.

Username

Password

Access Token: b48a1068 117948cb9b54dc

Required: Used for authenticating to the Turing API.

Site Name: Chino Hills Office

CAMERA PREVIEW

DETECT DEVICE CONFIGURATION

GET CONFIG

Cameras: [Select All](#) | [Select None](#)

- ☒ 266462 : Front (East) Stair
- ☐ 266463 : Parking West
- ☐ 266464 : Parking East 1
- ☒ 266465 : Main Entrance Path
- ☒ 266466 : 1st Floor Lobby
- ☒ 266467 : Parking East 2
- ☒ 266468 : Parking South
- ☒ 270279 : Network Closet
- ☒ 270790 : Entrance Door
- ☐ 295853 : Demo SolarShield Cam

Select Cameras and Alarms

Alarms: [Select All](#) | [Select None](#)

- ☒ 266462 : Front (East) Stair Default Alarm
- ☐ 266463 : Parking West Default Alarm
- ☐ 266464 : Parking East 1 Default Alarm
- ☒ 266465 : Main Entrance Path Default Alarm
- ☒ 266466 : 1st Floor Lobby Default Alarm
- ☒ 266467 : Parking East 2 Default Alarm
- ☒ 266468 : Parking South Default Alarm
- ☒ 270279 : Network Closet Default Alarm
- ☒ 270790 : Entrance Door Default Alarm
- ☐ 295853 : Demo SolarShield Cam Default Alarm

4.7 Click Done and Click Next to continue remaining setup

IP/Host

Port

0

Ports must only contain numeric values.

Username

Password

Access Token

b48a10■■■■■ ■■■■ b54dc

Required: Used for authenticating to the Turing API.

Site Name

Chino Hills Office

Optional: Used to filter cameras from a particular site; name must be exact match.

VIDEO SETTINGS

☐ Use Passthrough

EDGE DETAILS

☒ 200400 : Parking South

☒ 270279 : Network Closet

☒ 270790 : Entrance Door

☐ 295853 : Demo SolarShield Cam

Alarms : [Select All](#) | [Select None](#)

☒ 266462 : Front (East) Stair Default Alarm

☐ 266463 : Parking West Default Alarm

☐ 266464 : Parking East 1 Default Alarm

☒ 266465 : Main Entrance Path Default Alarm

☒ 266466 : 1st Floor Lobby Default Alarm

☒ 266467 : Parking East 2 Default Alarm

☒ 266468 : Parking South Default Alarm

☒ 270279 : Network Closet Default Alarm

☒ 270790 : Entrance Door Default Alarm

☐ 295853 : Demo SolarShield Cam Default Alarm

DONECANCEL

fields marked with * are required

immix

Turing

TuringUser

Logout

Dashboard

Alarms

Setup

Events

Cameras

Help & Support

EDIT DEVICES FOR: TURING CHINO HILLS OFFICE

Devices

Cameras

Multiviews

Splits

Tours

Audios

Relays

Access Points

Alarms

Alarm Groups

Audio Groups

Summary

CURRENT DEVICES

NEXT

DEVICE NAME	DEVICE TYPE	IP/HOST	PORT	PASSTHROUGH
Turing - Chino Hills Office	Turing		0	☐

+

Add a Device

NEXT

Turing

TuringUser

Logout

Dashboard

Alarms

Setup

Events

Cameras

Help & Support

EDIT DEVICES FOR: TURING CHINO HILLS OFFICE

Devices

Cameras

Multiviews

Splits

Tours

Audios

Relays

Access Points

Alarms

Alarm Groups

Audio Groups

Summary

SITE SUMMARY REPORT

GetReport.ashx

1 / 1 | 98%

1

Private and Confidential

Setup Report for Turing Chino Hills Office

Devices

Runaway (Runaway)

Identifier:

446

No Alarms (No Alarms)

Identifier:

447

Turing - Chino Hills Office (Turing)

Identifier:

481

Cameras:

Input: 266462, Name: Front (East) Stair

Input: 266465, Name: Main Entrance Path

Now if there is a human or vehicle event triggered on Turing Vision, Immix Alarm Portal shall also receive an alarm event.

Immix may receive two of the same events, one being a preprocessing event without any metadata, such as facial recognition results, human attributes, or vehicle attributes. After-processing events include all metadata and are displayed in Immix detail fields.

immix

Turing

TuringUser

Logout

DashboardAlarmsSetupEventsCameras

Help & Support

ALARMS

2 Armed Sites2 Disarmed Sites0 ECare Failed

TIME	LOCATION	EVENT	PRIORITY	ALARM COUNT
11/22/2024 4:58:28 PM	Turing - Turing Test Site A	People - EdgePlus camera 1 Default Alarm	100	427
11/22/2024 9:38:41 PM	Turing - San Jose Edge+ test	People - IP Camera 19 Default Alarm	100	1

Patrols (0)Parked Events (0)On Test (0)

No Patrols

PROCESSING EVENTS

No Events Being Processed

PROCESS ALARM

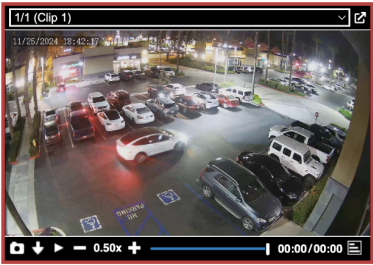
MANUAL PATROL

SITE CHECK

Turing Chino Hills Office

DetailsMultiViewPark EventClose Event

1/1 (Clip 1)



Event Details

Cameras

Search By Name

Front (East) Stair

Main Entrance Path

1st Floor Lobby

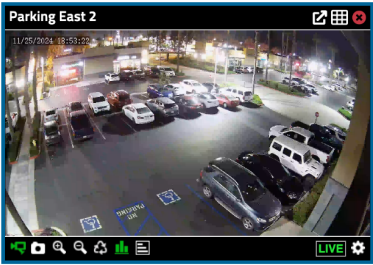
Parking East 2

Parking South

Network Closet

Entrance Door

Parking East 2



LIVE

AlarmsCurrent EventsPrevious EventsArming/DisarmingNotesProblemsAudit EventMapsScripts

Acknowledge All Alarms

Time	Site Time	Priority	Details	Linked Camera	Outcome
11/26/2024 2:44:53 AM	11/26/2024 2:44:53 AM	100	People - Parking East 2 Default Alarm - Site: 134186-Chino Hills Office		
11/26/2024 2:44:42 AM	11/26/2024 2:44:42 AM	100	People - Parking East 2 Default Alarm - Site: 134186-Chino Hills Office		
11/26/2024 2:42:21 AM	11/26/2024 2:42:21 AM	100	Vehicle - Parking East 2 Default Alarm - Make: tesla Model: model x Color: white		Set Outcome
11/26/2024 2:42:20 AM	11/26/2024 2:42:20 AM	100	Vehicle - Parking East 2 Default Alarm - Site: 134186-Chino Hills Office		
11/26/2024 2:41:02 AM	11/26/2024 2:41:02 AM	100	People - Parking East 2 Default Alarm - Site: 134186-Chino Hills Office		
11/26/2024 2:40:50 AM	11/26/2024 2:40:50 AM	100	People - Parking East 2 Default Alarm - Site: 134186-Chino Hills Office		

Turing Chino Hills Office

Details

MultiView

Park Event

Close Event

1/2 (Clip 1)

Entrance Door 11:01:36

0.50x

00:00/00:00

Cameras

Search By Name

Front (East) Stair

Main Entrance Path

1st Floor Lobby

Parking East 2

Parking South

Network Closet

Entrance Door

Entrance Door

Entrance Door 11:01:36

LIVE

Event Details

Alarms

Current Events

Previous Events

Arming/Disarming

Notes

Problems

Audit Event

Maps

Scripts

Acknowledge All Alarms

Time	Site Time	Priority	Details	Linked Camera	Outcome
11/25/2024 11:01:57 ...	11/25/2024 11:01:57 ...	100	Vehicle - Parking East 2 Default Alarm - Site: 134186-Chino Hills Office		
11/25/2024 11:01:56 ...	11/25/2024 11:01:56 ...	100	Vehicle - Parking East 2 Default Alarm - Site: 134186-Chino Hills Office		
11/25/2024 11:01:47 ...	11/25/2024 11:01:47 ...	100	People - 1st Floor Lobby Default Alarm - Site: 134186-Chino Hills Office		
11/25/2024 11:01:46 ...	11/25/2024 11:01:46 ...	100	People - Parking East 2 Default Alarm - Site: 134186-Chino Hills Office		
11/25/2024 11:01:43 ...	11/25/2024 11:01:43 ...	100	People - Entrance Door Default Alarm - LowerColor: black UpperColor: black LowerColor: black Upper...		Set Outcome
11/25/2024 11:01:42 ...	11/25/2024 11:01:42 ...	100	People - Main Entrance Path Default Alarm - Site: 134186-Chino Hills Office		

FAQ:

Question: I can see cameras and sites as well as camera live streaming on Immix, but I did not see any events.

Answer: To start, verify that you have established an Alert Rule on Vision. Vision will only transmit alerts to Immix that have been activated by an alert rule.

TURING

Home

Alerts

Cameras

Devices

Search

Archives

IoT Connect

Alert Settings

Rules and Notifications

People

Vehicle

Settings

My Dealer

Rules & Notifications

AI Alerts Device Health Alerts

Search in alert rules

Site: All

Alert Rule	Site	Cameras / Sensors	Recipient	Trigger Action
Vehicle Unregistered vehicles Every day: All day	Chino Hills Office Chino Hills, California	All cameras		
Chino Hills People All people Mon: 07:00pm-00:00am,00:00am-06:00am; Tue: 07:00pm-00:00am,00:00am-06:00am; Wed: 07:00pm-00:00am,00:00am-06:00am; Thu: 07:00pm-00:00am,00:00am-06:00am; Fri: 07:00pm-00:00am,00:00am-06:00am; Sat: All day	Chino Hills Office Chino Hills, California	All cameras		
Mike is here! People Michael Hendrix Every day: All day	Chino Hills Office Chino Hills, California	All cameras	Michael Hendrix	
Axis Alert People All people Sun: All day; Mon: 07:00pm-00:00am,00:00am-09:00am; Tue: 07:00pm-00:00am,00:00am-09:00am; Wed: 07:00pm-00:00am,00:00am-09:00am; Thu: 07:00pm-00:00am,00:00am-09:00am; Fri: 07:00pm-00:00am,00:00am-09:00am; Sat: All day	Axis Test Site San Jose, California	All cameras	Michael Hendrix	
Person in Area People All people Sun: All day; Mon: 00:00am-07:00am,07:00pm-00:00am; Tue: All day; Sat: All day	Solar Shield POC - Solar Farm LV Moapa, Nevada	All cameras	Michael Hendrix	

Next, check the webhook settings page and confirm that the correct endpoint URL has been configured. Keep in mind that each Immix Server will have a unique URL.

To push events to the Immix server, Vision must be pointed at the right URL. In most cases, this alarm receiver URL corresponds to your Immix alarm receiver address.

Alarm Receiver Explained (advanced)



Important: Please provide the alarm Immix Turing Alarm Receiver URL to Turing, this require must be made to Turing. Example URL: <https://MyImmix.net/TuringAlarm>

Note: For Immix, the payload URL looks like: <https://xxxxx/TuringAlarm>

You should attach TuringAlarm after your Immix Server address.

For example: <https://partners.immixcs.net/TuringAlarm>

The screenshot shows the 'Edit Third-party Webhook' page in the Turing interface. On the left is a dark sidebar with navigation options: Cameras, Devices, Search, Archives, IoT Connect, Alert Settings, Rules and Notifications, People, Vehicle, Settings, Sites, Camera Settings, Collaboration Delegate, Users, Org Settings, Analytics, and My Dealer. The main content area is titled 'Edit Third-party Webhook' and contains the following fields and options:

- A top banner with a link to 'Turing Webhook Documentation'.
- A 'Webhook' toggle switch, which is turned on.
- A 'Webhook Name *' field with the value 'test_webhook_immix_new'.
- A 'Payload URL *' field with the value 'https://partner.immixcs.net/TuringAlarm'. This field is highlighted with a red rectangle. Below it is a note: 'This is your custom endpoint that can receive the POST requests to receive the event data.'
- A 'Secret' section with a label 'Enter Secret (this is optional)' and a note 'This is a secret key for signature verification.'.
- An 'Event Triggering Options' section with four checked checkboxes:
 - People events after creation**: The payload will include basic people event information.
 - People events after processed**: The payload will include data from Facial Recognition (FR) showing detected people names, human attributes.
 - Vehicle events after creation**: The payload will include basic vehicle event information.
 - Vehicle events after processed**: The payload will include data from License Plate Recognition (LPR) showing detected vehicles, including vehicle's color, make, and model.