



Revealing hidden data in images through brute force mathematical scoring and adjusting of pixel values based on neighborhood relationships.

### API Endpoint

```
https://api.digitalharmonic.com
```

Request Content-Types: application/json

Response Content-Types: application/json

Schemes: https

Version: 0.1.0

## Authentication

### apiKey (HTTP Basic Authentication)

typebasic

## Asset

Asset

### Upload an asset file.

#### PATH

POST /api/asset

#### DESCRIPTION

API endpoint for uploading assets to be processed. If "preset" is set, it will automatically queue the asset for processing and return a transactionId.

#### REQUEST PARAMETERS

<b>file:</b> file in formData	Image/video file to be processed.
<b>preset:</b> string in formData	Optional preset to automatically use.
<b>async:</b> boolean default: true in formData	Async mode returns an ID that can be queried later; Sync mode will delay and return the processed asset.

#### RESPONSES

<b>200 OK</b>	Asset uploaded, optionally queued for processing.
type	object
<b>400 Bad Request</b>	Invalid preset specified.
type	object
<b>401 Unauthorized</b>	API authorization header missing or invalid.
type	object
<b>403 Forbidden</b>	Account expired or inactive.
type	object
<b>413 Request Entity Too Large</b>	Limit 1 asset file with a maximum size of 2147483648 bytes.
type	object
<b>415 Unsupported Media Type</b>	Asset has invalid file type.
type	object

#### Response Example (200 OK)

```
{
  assetId      string
  transactionId string
}
```

#### Response Example (400 Bad Request)

```
{
  statusCode  integer
  error       string
  message     string
}
```

#### Response Example (401 Unauthorized)

```
{
  statusCode  integer
  error       string
  message     string
}
```

#### Response Example (403 Forbidden)

```
{
  statusCode  integer
  error       string
  message     string
}
```

#### Response Example (413 Request Entity Too Large)

```
{
  statusCode: integer
  error: string
  message: string
}
```

#### Response Example (415 Unsupported Media Type)

```
{
  statusCode: integer
  error: string
  message: string
}
```

## SECURITY

Schema	Scopes
apiKey	

Asset

## Delete an asset.

### PATH

DELETE /api/asset/{assetId}

### DESCRIPTION

API endpoint to immediately delete an asset.

### REQUEST PARAMETERS

assetId: string (*uuid*) range: (36 chars) Unique ID assigned to raw asset when uploaded.

in path

### RESPONSES

204 No Content	Asset deleted
type	object
400 Bad Request	Bad request.
type	object
401 Unauthorized	API authorization header missing or invalid.
type	object
403 Forbidden	Account expired or inactive.
type	object

**410 Gone** Asset no longer available.

type object

**423 Locked** Asset processing not complete.

type object

#### Response Example (204 No Content)

```
obj ct
```

#### Response Example (400 Bad Request)

```
{
  stat Code      integer
  error          string
  message        string
}
```

#### Response Example (401 Unauthorized)

```
{
  statusCode     integer
  error          string
  message        string
}
```

#### Response Example (403 Forbidden)

```
{
  stat Code      integer
  error          string
  message        string
}
```

#### Response Example (410 Gone)

```
{
  stat Code      integer
  error          string
  message        string
}
```

#### Response Example (423 Locked)

```
{
  stat Code      integer
  error          string
  message        string
}
```

**SECURITY**

Schema

Scopes

apiKey

Asset

## Request asset information.

### PATH

GET /api/asset/{assetId}

### DESCRIPTION

API endpoint for retrieving asset information as well as any related processed assets.

### REQUEST PARAMETERS

assetId: string (*uuid*) range: (36 chars) Unique ID assigned to raw asset when uploaded.  
**required**  
in path

### RESPONSES

**200 OK** Successful response

type object

**400 Bad Request** Invalid asset ID specified.

type object

**401 Unauthorized** API authorization header missing or invalid.

type object

**403 Forbidden** Account expired or inactive.

type object

**410 Gone** Asset no longer available.

type object

Response Example (200 OK)

```
{
  assetId      string (uuid)
  fileName     string
  hash         string
  size         integer
  uploaded     string (datetime)
  transactions [
    {
      transactionId string (uuid)
      preset         string
      completed      string (datetime)
    }
  ]
}
```

#### Response Example (400 Bad Request)

```
{
  statusCode  integer
  error       string
  message     string
}
```

#### Response Example (401 Unauthorized)

```
{
  statusCode  integer
  error       string
  message     string
}
```

#### Response Example (403 Forbidden)

```
{
  statusCode  integer
  error       string
  message     string
}
```

#### Response Example (410 Gone)

```
{
  statusCode  integer
  error       string
  message     string
}
```

## SECURITY

### Schema

### Scopes

apiKey

Process a previously uploaded asset file.

## PATH

POST /api/asset/{assetId}/process

## DESCRIPTION

API endpoint for processing a previously uploaded asset with a specific preset.

## REQUEST BODY

preset: string required

## REQUEST PARAMETERS

---

assetId: string ( <i>uuid</i> ) range: (36 chars)	Unique ID assigned to raw asset when uploaded.
---	--

required  
in path

## Request Example

```
{
  preset: string
}
```

## RESPONSES

---

<b>200 OK</b>	Asset processing queued.
type	object

---

<b>400 Bad Request</b>	Invalid preset specified.
type	object

---

<b>401 Unauthorized</b>	API authorization header missing or invalid.
type	object

---

<b>403 Forbidden</b>	Account expired or inactive.
type	object

---

<b>410 Gone</b>	Asset no longer available.
type	object

## Response Example (200 OK)

```
{
  transactionId: string (uuid)
}
```

## Response Example (400 Bad Request)

```
{
  statusCode: integer
  error: string
  message: string
}
```

#### Response Example (401 Unauthorized)

```
{
  statusCode: integer
  error: string
  message: string
}
```

#### Response Example (403 Forbidden)

```
{
  statusCode: integer
  error: string
  message: string
}
```

#### Response Example (410 Gone)

```
{
  statusCode: integer
  error: string
  message: string
}
```

## SECURITY

Schema

Scopes

apiKey

## Request list of assets.

### PATH

GET /api/assets

### DESCRIPTION

API endpoint for retrieving a list of assets that have been uploaded.

### RESPONSES

200 OK List of uploaded assets

type object[]



**400 Bad Request** Bad request.

type object

**401 Unauthorized** API authorization header missing or invalid.

type object

**403 Forbidden** Account expired or inactive.

type object

#### Response Example (200 OK)

```
[
  {
    assetId      string (uuid)
    fileName    string
    hash        string
    size         integer
    uploaded    string (date-time)
  }
]
```

#### Response Example (400 Bad Request)

```
{
  statusCode    integer
  errorMessage  string
}
```

#### Response Example (401 Unauthorized)

```
{
  statusCode    integer
  errorMessage  string
}
```

#### Response Example (403 Forbidden)

```
{
  statusCode    integer
  error         string
  errorMessage  string
}
```

## SECURITY

### Schema

### Scopes

apiKey

## Download a processed asset.

### PATH

GET /api/processedasset/{transactionId}

### DESCRIPTION

API endpoint for retrieving processed assets.

### REQUEST PARAMETERS

**transactionId: string (uuid) range: (36 chars)** Unique ID assigned to processed asset to be downloaded.

Response Content-Types: multipart/form-data  
Response Example (200 OK)

Response Example (400 Bad Request)

### RESPONSES

Response Example (401 Unauthorized)

**200 OK** Processed asset retrieved.

type number

**400 Bad Request** Bad request.

type object

**401 Unauthorized** API authorization header missing or invalid.

type object

**403 Forbidden** Account expired or inactive.

type object

**410 Gone** Asset no longer available.

type object

**423 Locked** Asset processing not complete.

type object

umber

```
stat Cod      int ge
e o      t i g
m sage     t i g
```

```
{
  statusCode    integer
  error        string
  message      string
}
```

#### Response Example (403 Forbidden)

```
{
  statusCode    integer
  error        string
  message      string
}
```

#### Response Example (410 Gone)

```
{
  statusCode    integer
  error        string
  message      string
}
```

#### Response Example (423 Locked)

```
{
  statusCode    integer
  error        string
  message      string
}
```

## SECURITY

Schema

Scopes

apiKey

## Customer

Customer

Customer account information.

### PATH

GET /api/customer

### DESCRIPTION

API endpoint to retrieve customer account information.

### RESPONSES

200 OK — Customer account information

type object

400 Bad Request Bad request.

type object

Response Example (200 OK)

Response Example (400 Bad Request)

403 Forbidden Account expired or inactive

Response Example (401 Unauthorized)

type object

Response Example (403 Forbidden)

```

customerId string
name string
quota string
createdAt timestamp
expiration timestamp

```

```

statusCode integer
errorMessage string

```

```

statusCode integer
errorMessage string

```

```

statusCode integer
errorCode string
message string

```

## SECURITY

Schema

apiKey

Scopes

# Preset

Preset

## Add a preset.

### PATH

POST /api/preset

### DESCRIPTION

API endpoint to create a preset.

### RESPONSES

<b>201 Created</b>	<b>Preset created</b>
type	string
<b>400 Bad Request</b>	<b>Bad request.</b>
type	object
<b>401 Unauthorized</b>	<b>API authorization header missing or invalid.</b>
type	object
<b>403 Forbidden</b>	<b>Account expired or inactive.</b>
type	object
<b>404 Not Found</b>	<b>Unknown preset specified.</b>
type	object
<b>409 Conflict</b>	<b>Preset with the same name exists; use PUT to update it or DELETE to remove it.</b>
type	object

#### Response Example (201 Created)

```
string
```

#### Response Example (400 Bad Request)

```
{
  statusCode: integer
  error: string
  message: string
}
```

#### Response Example (401 Unauthorized)

```
{
  statusCode integer
  error      string
  message    string
}
```

#### Response Example (403 Forbidden)

```
{
  statusCode integer
  error      string
  message    string
}
```

#### Response Example (404 Not Found)

```
{
  statusCode integer
  error      string
  message    string
}
```

#### Response Example (409 Conflict)

```
{
  statusCode integer
  error      string
  message    string
}
```

## SECURITY

Schema

Scopes

apiKey

## Update a preset.

### PATH

PUT /api/preset/{presetName}

### DESCRIPTION

API endpoint to update a preset.

### REQUEST PARAMETERS

— presetName: string range: (1 to 36 chars) — Unique name for preset. —

in path

## RESPONSES

**204 No Content** Preset updated

type string

**400 Bad Request** Invalid preset specified.

type object

Response Example (204 No Content):

type

Response Example (400 Bad Request):

400 Forbidden Account expired or inactive.

type

Response Example (401 Unauthorized):

401 Not Found Unknown preset specified.

type

Response Example (403 Forbidden):

Response Example (404 Not Found):

string

```
statusCode integer
error      string
message    string
```

```
statusCode integer
error      string
message    string
```

```
statusCode integer
error      string
message    string
```

```
statusCode integer
error      string
message    string
```

## SECURITY

Schema	Scopes
apiKey	

Preset

## Delete a preset.

### PATH

DELETE /api/preset/{presetName}

### DESCRIPTION

API endpoint to delete an uploaded preset.

### REQUEST PARAMETERS

presetName: string range: (1 to 36 chars) Unique name for preset.  
**required**  
in path

### RESPONSES

204 No Content	Preset deleted
type	string
400 Bad Request	Bad request.
type	object
401 Unauthorized	API authorization header missing or invalid.
type	object
403 Forbidden	Account expired or inactive.
type	object
404 Not Found	Unknown preset specified.
type	object
410 Gone	Invalid preset specified.
type	object

Response Example (204 No Content)

```
st ing
```

Response Example (400 Bad Request)



```
{
  statusCode integer
  error      string
  message    string
}
```

Response Example (401 Unauthorized)

Response Example (403 Forbidden)

```
{
  statusCode integer
  error      string
  message    string
}
```

Response Example (404 Not Found)

Response Example (410 Gone)

```
{
  statusCode integer
  error      string
  message    string
}
```

```
statusCode integer
error      string
message    string
```

```
statusCode integer
error      string
message    string
```

## SECURITY

Schema

apiKey

Scopes

Get preset details.

## PATH

GET /api/preset/{presetName}

## DESCRIPTION

API endpoint to retrieve preset details.

## REQUEST PARAMETERS

**presetName:** string range: (1 to 36 chars) Unique name for preset.  
**required**  
in path

## RESPONSES

**400 Bad Request** Bad request.

type object

**401 Unauthorized** API authorization header missing or invalid.

type object

**403 Forbidden** Account expired or inactive.

type object

### Response Example (400 Bad Request)

```
{
  statusCode: integer
  message: string
}
```

### Response Example (401 Unauthorized)

```
{
  statusCode: integer
  message: string
}
```

### Response Example (403 Forbidden)

```
{
  statusCode: integer
  message: string
}
```

## SECURITY

Schema

Scopes

apiKey

Get preset list.

## PATH

GET /api/presets

## DESCRIPTION

API endpoint to retrieve a list of presets.

## RESPONSES

<b>200 OK</b>	<b>Preset list</b>
type	string[]
<b>400 Bad Request</b>	<b>Bad request.</b>
type	object
<b>401 Unauthorized</b>	<b>API authorization header missing or invalid.</b>
type	object
<b>403 Forbidden</b>	<b>Account expired or inactive.</b>
type	object

### Response Example (200 OK)

```
[
  st i g
]
```

### Response Example (400 Bad Request)

```
{
  stat Cod      int ge
  error         string
  m sage       t i g
}
```

### Response Example (401 Unauthorized)

```
{
  stat Cod      int ge
  error         string
  m sage       t i g
}
```

### Response Example (403 Forbidden)

```
{
  stat Cod      int ge
  e o          t i g
  message      st i g
}
```

## SECURITY

Schema	Scopes
apiKey	

## Stream

Stream

Create processing stream.

### PATH

POST /api/stream

### DESCRIPTION

Request Example

API endpoint to create a processing stream.

### REQUEST BODY

```
input      t i g
preset     string
output     string
```

### RESPONSES

200 OK Stream ID

Response Example (200 OK)

type

400 Bad Request Invalid stream specified.

type

object

401 Unauthorized API authorization header missing or invalid.

type

object

403 Forbidden Account expired or inactive.

type

object

```
streamId  string
```

#### Response Example (400 Bad Request)

```
{
  statusCode: integer
  error: string
  message: string
}
```

#### Response Example (401 Unauthorized)

```
{
  statusCode: integer
  error: string
  message: string
}
```

#### Response Example (403 Forbidden)

```
{
  statusCode: integer
  error: string
  message: string
}
```

## SECURITY

Schema	Scopes
apiKey	

## Update a stream.

### PATH

PUT /api/stream/{streamId}

### DESCRIPTION

API endpoint to update a current stream.

### REQUEST BODY

### REQUEST PARAMETERS

streamId: string (*uuid*) range: (36 chars) — Stream ID.

in path

## Request Example

```
{
  input      string
  preset    string
  output    string
}
```

## RESPONSES

<b>204 No Content</b>	<b>Stream updated</b>
type	string
<b>400 Bad Request</b>	<b>Invalid stream specified.</b>
type	object
<b>401 Unauthorized</b>	<b>API authorization header missing or invalid.</b>
type	object
<b>403 Forbidden</b>	<b>Account expired or inactive.</b>
type	object

### Response Example (204 No Content)

```
string
```

### Response Example (400 Bad Request)

```
{
  statusCode  integer
  errorCode   string
  message     string
}
```

### Response Example (401 Unauthorized)

```
{
  statusCode  integer
  error       string
  message     string
}
```

### Response Example (403 Forbidden)

```
{
  statusCode  integer
  error       string
  message     string
}
```

## SECURITY

Schema

Scopes

apiKey

Stream

## Get stream details.

### PATH

GET /api/stream/{streamId}

### DESCRIPTION

API endpoint to retrieve stream details.

### REQUEST PARAMETERS

streamId: string (*uuid*) range: (36 chars) Stream ID.

required  
in path

### RESPONSES

200 OK Stream information

type object

400 Bad Request Invalid stream specified.

type object

401 Unauthorized API authorization header missing or invalid.

type object

403 Forbidden Account expired or inactive.

type object

### Response Example (200 OK)

```
{
  input      t i g
  preset     string
  output     string
}
```

### Response Example (400 Bad Request)

```
{
  statusCode  int ge
  error       string
  message     t i g
}
```

### Response Example (401 Unauthorized)

```
{
  statusCode: integer
  message: string
}
```

### Response Example (403 Forbidden)

```
{
  statusCode: integer
  message: string
}
```

## SECURITY

Schema	Scopes
apiKey	

## Delete a stream.

### PATH

DELETE /api/stream/{streamId}

### DESCRIPTION

API endpoint to delete a stream.

### REQUEST PARAMETERS

streamId: string (*uuid*) range: (36 chars) Stream ID.

in path

### RESPONSES

204 No Content	Stream deleted
type	string
400 Bad Request	Invalid stream specified.
type	object
401 Unauthorized	API authorization header missing or invalid.
type	object
403 Forbidden	Account expired or inactive.
type	object



#### Response Example (204 No Content)

```
st ing
```

#### Response Example (400 Bad Request)

```
{
  statusCode integer
  e o t i g
  message string
}
```

#### Response Example (401 Unauthorized)

```
{
  stat sCode integer
  e o t i g
  m sage t i g
}
```

#### Response Example (403 Forbidden)

```
{
  stat Cod int ge
  e o st i g
  m sage t i g
}
```

## SECURITY

Schema	Scopes
apiKey	

## Pause/resume stream processing.

### PATH

POST /api/stream/{streamId}/pause

### DESCRIPTION

API endpoint to pause/resume a stream.

### REQUEST PARAMETERS

streamId: string (*uuid*) range: (36 chars) Stream ID.

in path

## RESPONSES

<b>200 OK</b>	<b>Stream status</b>
type	object
<b>400 Bad Request</b>	<b>Invalid stream specified.</b>
type	object
<b>401 Unauthorized</b>	<b>API authorization header missing or invalid.</b>
type	object
<b>403 Forbidden</b>	<b>Account expired or inactive.</b>
type	object

### Response Example (200 OK)

```
{
  status string
}
```

### Response Example (400 Bad Request)

```
{
  statusCode integer
  error string
  message string
}
```

### Response Example (401 Unauthorized)

```
{
  statusCode integer
  error string
  message string
}
```

### Response Example (403 Forbidden)

```
{
  statusCode integer
  error string
  message string
}
```

## SECURITY

### Schema

### Scopes

apiKey

