Cloud Vision API Product Search

ImageContext

Image context and/or feature-specific parameters.

JSON representation
| ```
{
  "latLongRect": {
    object (LatLongRect (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4be
  },
  "languageHints": [
    string
  ],
  "cropHintsParams": {
    object (CropHintsParams (https://cloud.google.com/vision/product-search/docs/reference/rest/v1
  },
  "productSearchParams": {
    object (ProductSearchParams (https://cloud.google.com/vision/product-search/docs/reference/re
  },
  "webDetectionParams": {
    object (WebDetectionParams (https://cloud.google.com/vision/product-search/docs/reference/res
  }
}
``` |

Fields	
latLongRect	object (LatLongRect (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/ImageContext#LatLongRect)) Not used.

Fields	
`languageHints[]`	**string** List of languages to use for TEXT_DETECTION. In most cases, an empty value yields the best results since it enables automatic language detection. For languages based on the Latin alphabet, setting `languageHints` is not needed. In rare cases, when the language of the text in the image is known, setting a hint will help get better results (although it will be a significant hindrance if the hint is wrong). Text detection returns an error if one or more of the specified languages is not one of the <u>supported languages</u> (https://cloud.google.com/vision/docs/languages).
`cropHintsParams`	**object (**<u>CropHintsParams</u> (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/ImageContext#CropHintsParams) **)** Parameters for crop hints annotation request.
`productSearchParams`	**object (**<u>ProductSearchParams</u> (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/ImageContext#ProductSearchParams) **)** Parameters for product search.
`webDetectionParams`	**object (**<u>WebDetectionParams</u> (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/ImageContext#WebDetectionParams) **)** Parameters for web detection.

LatLongRect

Rectangle determined by min and max `LatLng` pairs.

JSON representation

```
{
  "minLatLng": {
    object (LatLng (https://cloud.google.com/vision/product-search/docs/reference/rest/Shared.Types
  },
  "maxLatLng": {
    object (LatLng (https://cloud.google.com/vision/product-search/docs/reference/rest/Shared.Types
  }
}
```

Fields

minLatLng	object (LatLng (https://cloud.google.com/vision/product-search/docs/reference/rest/Shared.Types/LatLng)) Min lat/long pair.
maxLatLng	object (LatLng (https://cloud.google.com/vision/product-search/docs/reference/rest/Shared.Types/LatLng)) Max lat/long pair.

CropHintsParams

Parameters for crop hints annotation request.

JSON representation

```
{
  "aspectRatios": [
    number
  ]
}
```

Fields

Fields	
aspectRatios[]	number Aspect ratios in floats, representing the ratio of the width to the height of the image. For example, if the desired aspect ratio is 4/3, the corresponding float value should be 1.33333. If not specified, the best possible crop is returned. The number of provided aspect ratios is limited to a maximum of 16; any aspect ratios provided after the 16th are ignored.

ProductSearchParams

Parameters for a product search request.

JSON representation

```
{
  "boundingPoly": {
    object (BoundingPoly (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4b
  },
  "productSet": string,
  "productCategories": [
    string
  ],
  "filter": string
}
```

Fields	
boundingPoly	object (BoundingPoly (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/projects.locations.products.referenceImages#BoundingPoly)) The bounding polygon around the area of interest in the image. Optional. If it is not specified, system discretion will be applied.

Fields	
`productSet`	string The resource name of a **ProductSet** (https://cloud.google.com/vision/product-search/docs/reference/rest/v1p4beta1/projects.locations.productSets#ProductSet) to be searched for similar images. Format is: `projects/PROJECT_ID/locations/LOC_ID/productSets/PRODUCT_SET_ID`.
`productCategories[]`	string The list of product categories to search in. Currently, we only consider the first category, and either "homegoods-v2", "apparel-v2", "toys-v2", or "packagedgoods-v1" should be specified. The legacy categories "homegoods", "apparel", and "toys" are still supported but will be deprecated. For new products, please use "homegoods-v2", "apparel-v2", or "toys-v2" for better product search accuracy. It is recommended to migrate existing products to these categories as well.
`filter`	string The filtering expression. This can be used to restrict search results based on Product labels. We currently support an AND of OR of key-value expressions, where each expression within an OR must have the same key. An '=' should be used to connect the key and value. For example, "(color = red OR color = blue) AND brand = Google" is acceptable, but "(color = red OR brand = Google)" is not acceptable. "color: red" is not acceptable because it uses a ':' instead of an '='.

WebDetectionParams

Parameters for web detection request.

JSON representation

JSON representation

```
{
  "includeGeoResults": boolean
}
```

Fields

includeGeoResults	boolean
	Whether to include results derived from the geo information in the image.