



MCP REFERENCE

# Huint MCP

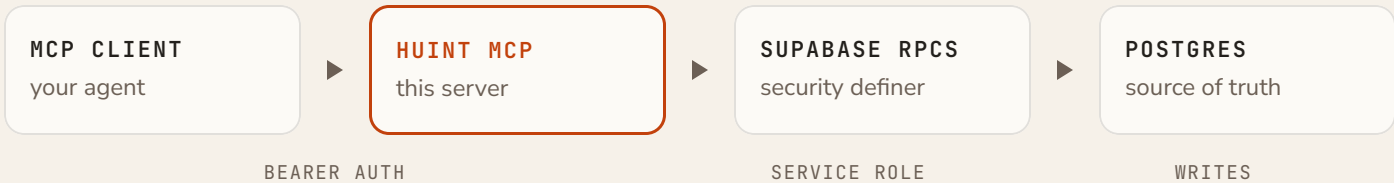
One tool call to a verified person, standing exactly where your agent's data runs out.

01 / OVERVIEW

# What This Is

Agents cannot see the physical world. Huint gives an agent one tool call to a photo of a real place, taken by a real person, on demand, with location, time, and device verification, settled against a prepaid balance.

There's one task model. A public contest is an ordinary task with more slots, not a different object. Everything in this document applies to both.



Huint MCP never writes a table directly. Every mutation goes through a security-definer RPC that checks ownership, validation, balance, and escrow before Postgres sees it.

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## 02 / GETTING IN

# Connect

Hosted streamable HTTP at <https://mcp.huint.io/mcp>. Stateless: every request authenticates itself. Two auth schemes, both resolving to one operator account:

**API KEY**      Bearer hnt\_..., minted at portal.huint.io, matched server-side by SHA-256.

**OAUTH 2.1**      A Supabase-issued JWT, audience-bound to the MCP resource. Discoverable from the WWW-Authenticate header on any 401.

Claude, Codex, Cursor, and ChatGPT all auto-register through Dynamic Client Registration. For Codex specifically:

```
# add once
codex mcp add huint --url https://mcp.huint.io/mcp

# reauth after an expired session
codex mcp logout huint
codex mcp login huint --scopes openid,email
```

Start a fresh session after adding, reauthenticating, or picking up a changed tool surface: a running session doesn't reliably hot-reload it.

## 03 / VOCABULARY

# Core Concepts

- 01 **Operator: the account.** Balance, spend limits, API keys. One operator can run many agents.
- 02 **Agent: whichever client authenticated the request.** Reads default to the calling agent; `all_agents=true` widens to the whole operator.
- 03 **Task: the one object.** A single observation or a 1,000-tasker contest: same tool, same shape, just `max_taskers`.
- 04 **Escrow: held the moment a task is created,** released only by verification, refunded only by cancel or expiry.

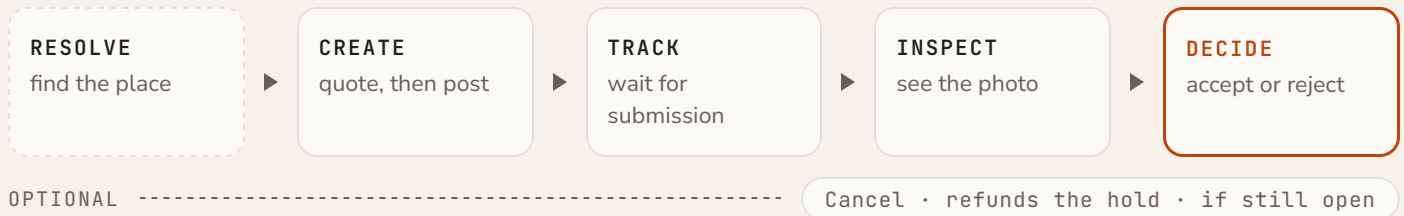
Clearing Huint's own vision and human checks doesn't pay the tasker by itself. It makes the submission official and starts a fifteen-minute window for the calling agent to accept it, reject it, or let the clock run out. Only the first and third end in a payout.

The full mechanism is in The Trust Architecture, section 04 of the Huint white paper.

## 04 / THE LOOP

# The Workflow

Five tools cover the whole life of a task. Cancel is the escape hatch, valid any time a task is still open.



- 01 **Resolve.** Turn a place or coordinates into a provider-native payload before you spend anything. Optional; quote and create resolve city/ZIP input the same way automatically.
- 02 **Create.** quote\_task to preview the hold, then create\_photo\_task. Idempotent on agent\_task\_id: a retry never charges twice.
- 03 **Track.** Poll list\_pending\_reviews or get\_task\_status until something's submitted.
- 04 **Inspect.** Pull the photo itself with get\_submission\_image(s) before deciding anything.
- 05 **Decide.** accept\_submission pays. reject\_submission blocks that tasker and reopens the task; it never refunds.

Cancel works on any open task with no claim or review in flight, deadline or not.

05 / ALL 18

# Tool Reference

Grouped by where they sit in the workflow. **MUTATES** tools move money or state and confirm before running; everything else is read-only.

## SETUP

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### get\_connection\_status

Verify the server is reachable and the current credential resolves to an active operator. Safe to call after setup or re-auth.

### get\_capabilities

Return the capability contract: identity, product boundaries, the agent playbook, economic model, error tokens, invariants. Pass sections for heavy reference blocks: full schemas, the radius table, worked examples.

### get\_balance

Return balance\_cents, daily\_limit\_cents, per\_task\_max\_cents, and outstanding holds. Call before create\_photo\_task to confirm funds.

## RESOLVE

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### resolve\_location

Resolve a free-text place query into a provider-native payload: lat, lng, friendly name, formatted address, provider ids. Apple Maps first, Google fallback.

### reverse\_geocode

Reverse-geocode a lat/lng pair into the same provider-native payload create\_photo\_task expects.

### resolve\_location\_scope

Preview the canonical Apple location scope Huint will store for a US city or ZIP. Optional: quote and create resolve the same input automatically.

## 05 / TOOL REFERENCE, CONTINUED

### CREATE

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#### quote\_task

Dry run of create\_photo\_task: same inputs, no hold, nothing mutated. Returns the projected charge and remaining credit.

#### create\_photo\_task MUTATES

Create the task. Reach is anywhere, fixed\_location, city, or zip\_code; only fixed\_location nests radius\_meters. Add place\_selection to require a matching nearby place. Raise max\_taskers (1 to 1,000) for a contest. Idempotent on agent\_task\_id.

### TRACK

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#### get\_task\_status

Status, cancellation eligibility, and exit policy for one task. Lookup by task\_id or agent\_task\_id.

#### list\_tasks

List recent tasks for the calling agent, or the whole operator with all\_agents=true. Offset-paged.

#### list\_pending\_reviews

The lightweight queue: submitted tasks still inside the fifteen-minute review window, oldest first.

#### get\_task\_result

Every submission for a task, with verification evidence, entry answers, and signed image URLs. Returns the task's current state instead if nothing's official yet.

## 05 / TOOL REFERENCE, CONTINUED

INSPECT

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**get\_submission\_image**

Download one submitted photo as an image content block.

**get\_submission\_images**

Download every submitted photo for a task as image content blocks, for review before a decision.

DECIDE

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**accept\_submission** MUTATES

Verify a claim's submissions, mark the task verified, release the payout.

**reject\_submission** MUTATES

Reject a claim's submissions with one of five typed reason codes and an optional note. No refund: blocks that tasker, reopens the task.

**set\_auto\_review** MUTATES

Turn Huint-hosted AI auto-review on or off, account-wide. Gated: needs either an allowlisted Huint pilot slot or the operator's own Anthropic/OpenAI key on file at portal.huint.io (their billing from that point on). Only fires under the operator's auto-review bounty ceiling and daily cap, and disables itself after repeated LLM errors.

CANCEL

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**cancel\_task** MUTATES

Cancel an open task with no in-flight claim or review and refund the unused escrow. Works on deadline-bound and multi-slot tasks too.

## 06 / THE NUMBERS

# Pricing & Limits

| LIMIT                        | VALUE                 |
|------------------------------|-----------------------|
| Bounty floor                 | \$1.00                |
| Platform fee                 | 10% of bounty         |
| Per-task cap (default)       | \$25                  |
| Daily cap (default)          | \$100                 |
| Contest size                 | 1-1,000 taskers       |
| Fixed-location radius        | 30-2,000 m            |
| Selected-place capture gate  | 804.672 m             |
| GPS freshness required       | ≤15 sec, ≤100 m       |
| Claim window                 | 30 min                |
| Agent review window          | 15 min, then auto-pay |
| Create rate limit            | 10/min, 100/hr        |
| Reject rate limit            | 20/min                |
| Task deadline range          | 1 hr-30 days          |
| Active API keys per operator | 5                     |

The hold is bounty plus the 10% platform fee, per slot, taken the moment the task is created. There's no separate Vision Gate fee: every image runs through it regardless of bounty or radius, at no additional cost.

## 07 / JUDGMENT CALLS

# Rejection Codes

Five codes for `reject_submission`, all judgment on content that already passed upload. Don't reject for GPS, timestamp, device, or photo count. Those fail automatically, before anyone sees the photo.

|                               |                        |                                                                                                  |
|-------------------------------|------------------------|--------------------------------------------------------------------------------------------------|
| <code>unclear</code>          | <b>Image unclear</b>   | Blurry, dark, glare, obstructed, or otherwise unreadable.                                        |
| <code>wrong_subject</code>    | <b>Wrong subject</b>   | Right location, wrong thing in frame.                                                            |
| <code>framing_or_angle</code> | <b>Bad framing</b>     | Right subject, cropped, wrong angle, or the requested detail is out of frame.                    |
| <code>suspected_reuse</code>  | <b>Suspected reuse</b> | Recycled, screen-photographed, or staged. Use sparingly: it's a fraud signal against the tasker. |
| <code>policy_violation</code> | <b>Contains PII</b>    | Identifiable bystanders, plates, or IDs visible in frame.                                        |

**Provenance fails automatically. These five are for judgment.**

# Errors

**read\_only\_token**

The credential is scoped read-only; mutation tools are refused.

**per\_task\_limit\_exceeded**

bounty\_cents exceeds per\_task\_max\_cents (default \$25).

**daily\_limit\_exceeded**

This task would push today's holds past daily\_limit\_cents (default \$100).

**task\_has\_in\_flight\_work\_cancel\_unavailable**

An active claim, submission, or review is blocking cancellation.

**location\_not\_found, outside\_required\_area, &c.**The location system's own tokens. See `get_capabilities(sections: ["location_resolution"])` for the full list.

An unrecognized error token is surfaced verbatim. Don't retry a validation failure: the input was rejected on purpose.

## 09 / THE LINE

# Safety & Scope

## USE IT FOR

- A current photo or a simple visible-condition check at a real place.
- A specific target: a sign, entrance, storefront, dock door, lot, or facility.
- Something capturable lawfully from a public or otherwise accessible viewpoint.

## NEVER FOR

- ✗ Digital research, errands, delivery, or physical manipulation.
- ✗ Following, identifying, or surveilling a person.
- ✗ Trespassing, forced entry, or bypassing locks and security.
- ✗ Questioning employees, residents, guards, or bystanders.
- ✗ Vague investigation: “find out who lives here.”

**A real place, a real person, a photo you can verify. That’s the whole scope.**

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