

tauri.conf.json — Application & Security Configuration

Window

The app opens a single window titled `base_station` at 800×600. `devtools` is enabled, meaning the browser DevTools can be opened in development builds.

Content Security Policy

The CSP is configured to be strict by default while allowing the specific localhost ports needed for video:

Directive	What it allows
<code>default-src</code>	Only the app itself and Tauri's custom protocol
<code>script-src</code>	Self + inline scripts (required by SvelteKit)
<code>img-src</code>	App assets + the three MJPEG stream ports (5000, 5001, 5002)
<code>media-src</code>	The three MJPEG stream ports
<code>connect-src</code>	All localhost ports (for dev server, WebSockets) + <code>api.ipify.org</code>

The asset protocol is enabled with scope `$APPDATA/**`, which allows the frontend to read files from the app data directory (e.g. saved maps and images) using the `asset://` protocol.

For future developers: Security gives a lot of problems (and they vary between devices and platforms), if something isn't loading always check if it is because of permissions. Thus far setting security to unrestricted does not fix those issues.

Bundled resources

The `models/*` glob in `bundle.resources` ensures all 3D model files in `src-tauri/models/` are included in the packaged application. This is what `load_model.rs` reads from in release builds.

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