

System Functions

Module Functions

1. Barcode Scanning

- **Description:** Scan for all supported barcode formats at once, without having to specify the format you're looking for. Or, boost scanning speed by restricting the detector to only the formats you're interested in.
- **Inputs:** Input images must contain barcodes that are represented by sufficient pixel data. In general, the smallest meaningful unit of the barcode should be at least 2 pixels wide (and for 2-dimensional codes, 2 pixels tall).
- **Outputs:** Structured data stored using one of the supported 2D formats are automatically parsed. Supported information types include URLs, contact information, calendar events, email addresses, phone numbers, SMS message prompts, ISBNs, WIFI connection information, geographic location, and AAMVA-standard driver information.
- **Pre-conditions:** Authentication from the camera, Firebase, ML Kit
- **Post-conditions:** Structured data for the Database and support for on sale discounts.

2. Text Extraction

- **Description:** Recognize text in any Latin-based language to automate tedious data entry for credit cards, Menus, and business cards.
- **Inputs:** input images must contain text that is represented by sufficient pixel data. Ideally, for Latin text, each character should be at least 16x16 pixels. For Chinese, Japanese, and Korean text, each character should be 24x24 pixels.
- **Outputs:** Text Parsed and Formatted in `Block`, `Paragraph`, `Word`, and `Symbol` way for accessing or storing in the database.
- **Pre-conditions:** Authentication from the camera, Firebase, ML Kit
- **Post-conditions:** Text Extraction in Real Time