A LITTLE SUPPORT. A FAMILIAR ROUTINE.

More confidence, morning and evening.

A premium weekly pill box designed to support independence and keep loved ones connected.



14 daily-dose spaces

One gentle reminder

A closer family connection

Brushed gold or silver. A discreet camera. A simpler way to stay in touch around the daily routine.

Design proposal. Product images, app screens and performance targets are illustrative, not a released product.

DESIGNED FOR EVERYDAY DIGNITY

Familiar to use. Beautiful to live with.

For an older adult who benefits from reminders, without making the home feel clinical.



Find the right dose

Large day names, clear AM/PM rows and a small amber light beside the scheduled button.

Press. Lift. Close.

Broad tactile buttons, spring-assisted lids and a positive closing click. Mechanical access works without power.

A routine supported together

A loved one can help set reminders, review activity and coordinate weekly refills, with permission.

A prompt, not a guarantee

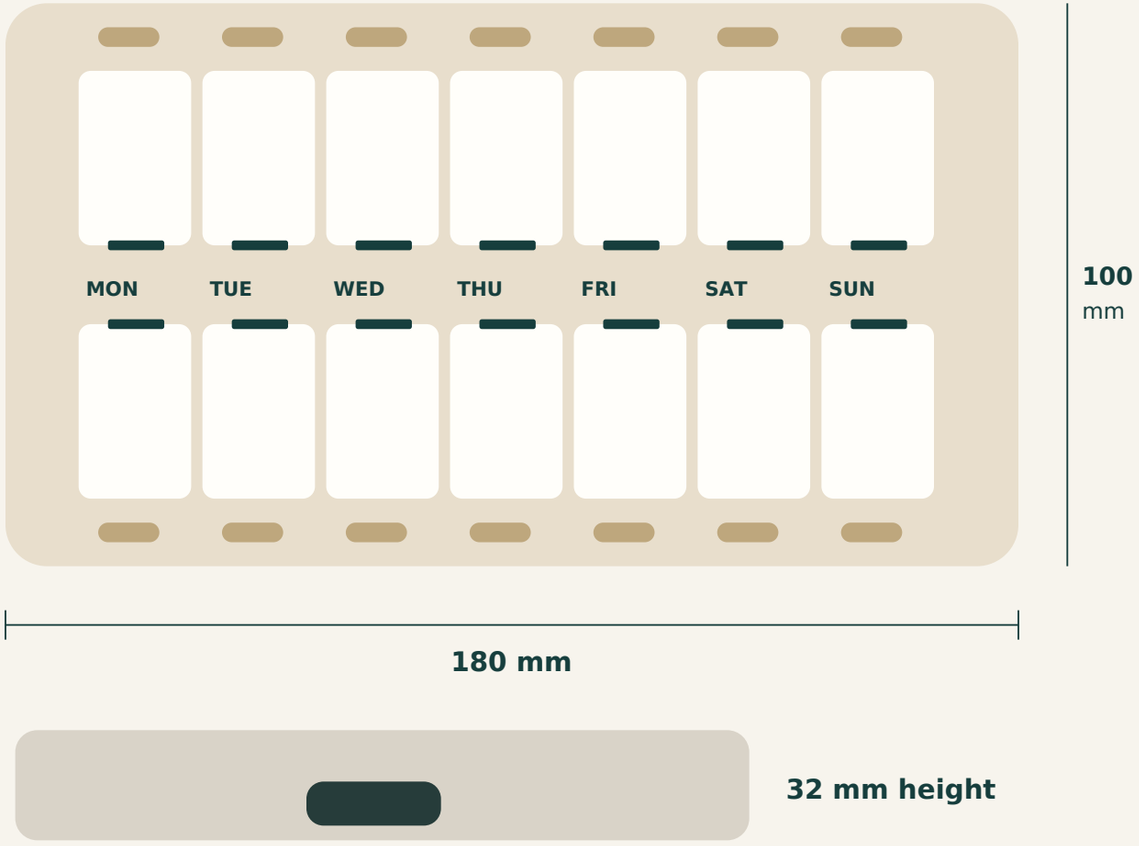
The design supports a care routine. It cannot prevent every medication error or replace help when independent use is no longer appropriate.

A CONSIDERED FOOTPRINT

Sized for a week. Ready to come along.

Proposed dimensions: 180 × 100 × 32 mm | Approximately 7.1 × 3.9 × 1.3 inches

TOP VIEW / BOTH HINGE LINES AT CENTER



Front elevation / conceptual envelope

Useful space inside

Target cup clearance: 18 × 27 × 18 mm. About 8.7 mL before rounded corners. Fit your actual dose before freezing tooling; this is smaller than the previous concept.

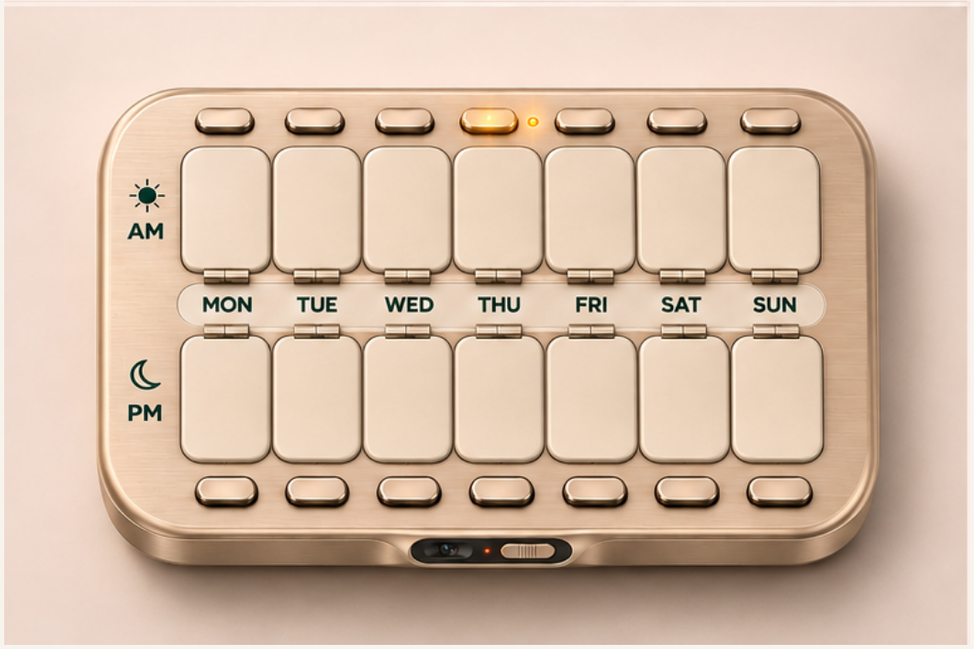
Travel without tiny controls

Target weight: under 350 g, subject to engineering. A fitted protective sleeve shields the buttons. Travel mode pauses camera capture while scheduled reminders remain active.

MATERIALS THAT FEEL REASSURING

Brushed metal. Precise, tactile details.

Champagne gold and satin silver, with warm ivory lids and high-contrast markings.







The premium specification

Brushed anodized aluminum outer frame over an insulating inner chassis. Captured metal hinge pins, controlled spring force and a positive latch feel.

Removable smooth pill cups for cleaning. Replaceable latch components and serviceable electronics. No exposed magnets in pill-contact areas.

Finish and rear-port renderings are concept views; final details follow mechanical and usability testing.

A SMALLER DESIGN, INFORMED BY YOUR BOX

Close to familiar. Room for the electronics.

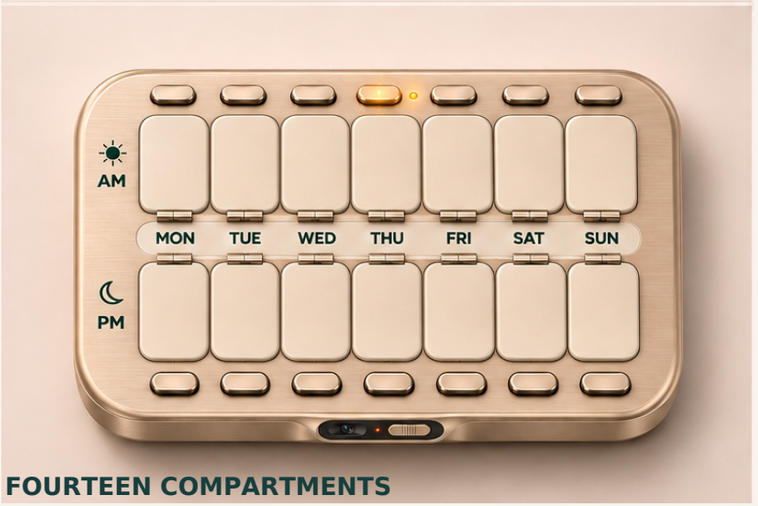
Your current box: about 6 × 3 inches, as supplied. New design target: about 7.1 × 3.9 inches.



GOLD / FRONT



SILVER / THREE-QUARTER



TOP / FOURTEEN COMPARTMENTS



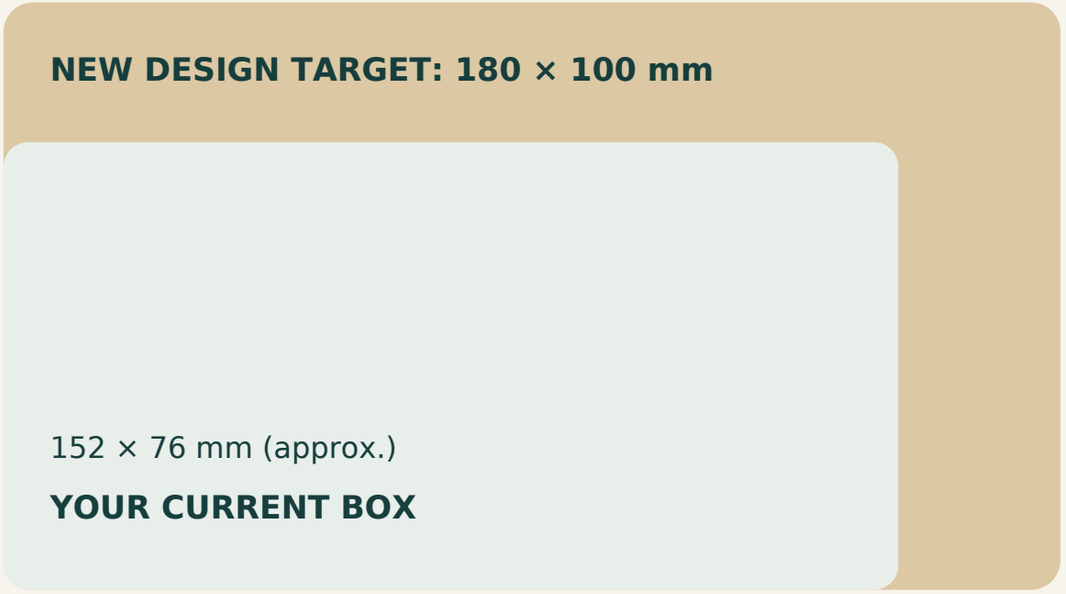
REAR / CHARGING PORT CONCEPT

Visual angles show design intent; precise port placement, hinge geometry and internal fit require CAD validation.

FOOTPRINT COMPARISON

A modest increase over your current box.

Same-scale outlines based on your approximate measurement; photograph was not used as a measuring tool.



Width: +27.6 mm (1.1 in) over your estimate. Depth: +23.8 mm (0.9 in). Your existing height and internal cup volume are not yet measured.

Decision: use 180 × 100 × 32 mm as the working design envelope.

Why a little larger?

Space is reserved for mechanical buttons, a camera pocket, sensors and rechargeable electronics. It is a packaging target, not a demonstrated electronics fit.

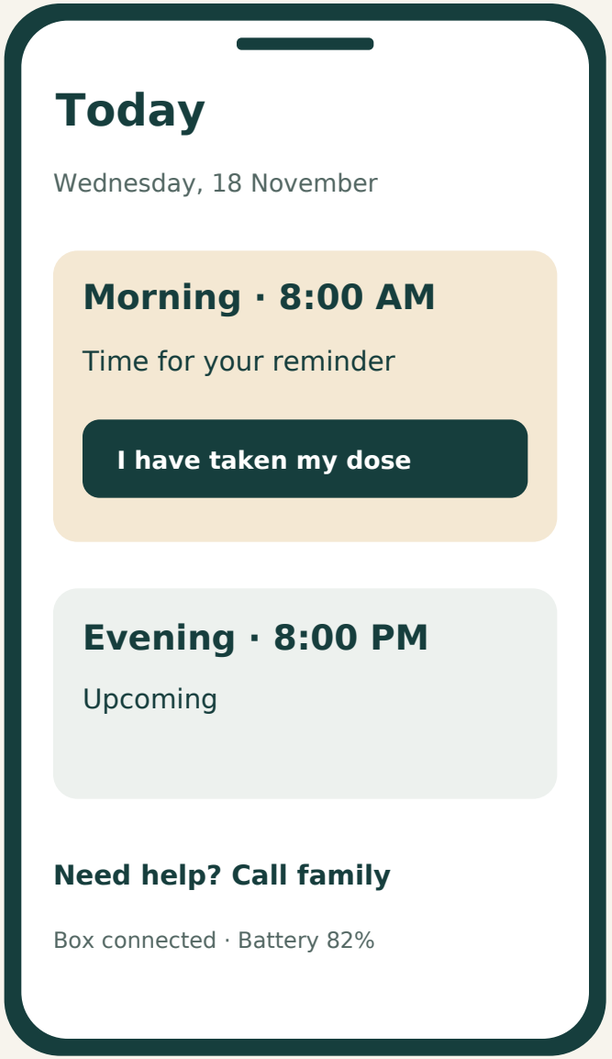
What changes from Rev A?

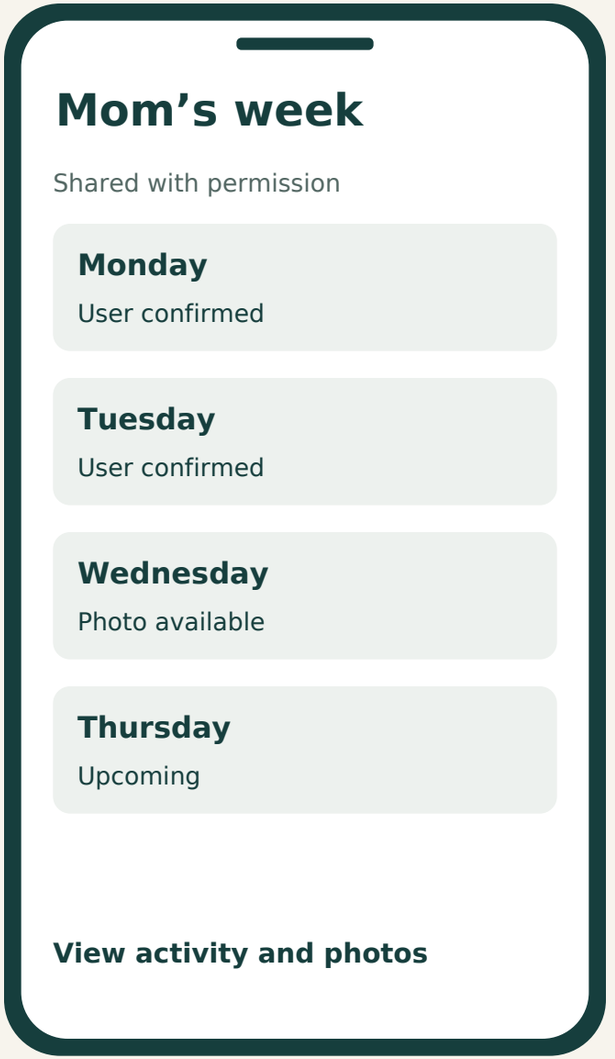
Footprint reduced by about 50% from 250 × 145 mm. Height reduced from 38 to 32 mm. The smaller cups must be tested with your complete AM and PM doses.

AN APP THAT FEELS CLEAR

One calm screen for the day.

Large type, plain language and a short path to the information that matters.





Built for accessibility

Large touch targets. Adjustable text size. Screen-reader labels. Clear status words alongside color.

Built for real life

Morning and evening schedules, refill mode, battery warnings and a visible last-connected time.

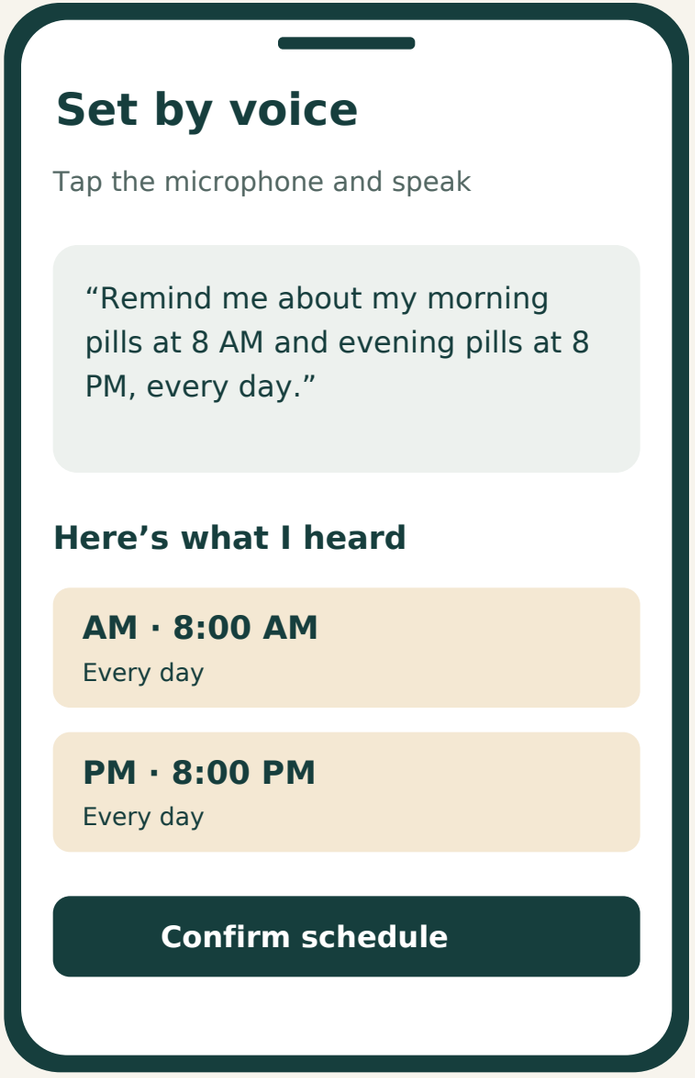
Android and iOS are the intended app scope. These are designed screens, not working software.

Example app content. “User confirmed” records a person’s statement, not sensor proof of swallowing.

REMINDERS THAT FIT THE ROUTINE

Say the schedule. We’ll help set it up.

Proposed voice setup turns everyday speech into a clear reminder schedule for review.



Reminders based on your pill timing

Set the morning and evening times that match the existing medication routine. The app links each reminder to the right day and AM or PM compartment, then lights the matching button.

Simple to say. Easy to check.

Dictate times, days and reminder labels. Review the transcript and schedule, or have the app read them back. Correct anything unclear, then confirm. An authorized loved one can help with setup.

A helpful follow-up when needed

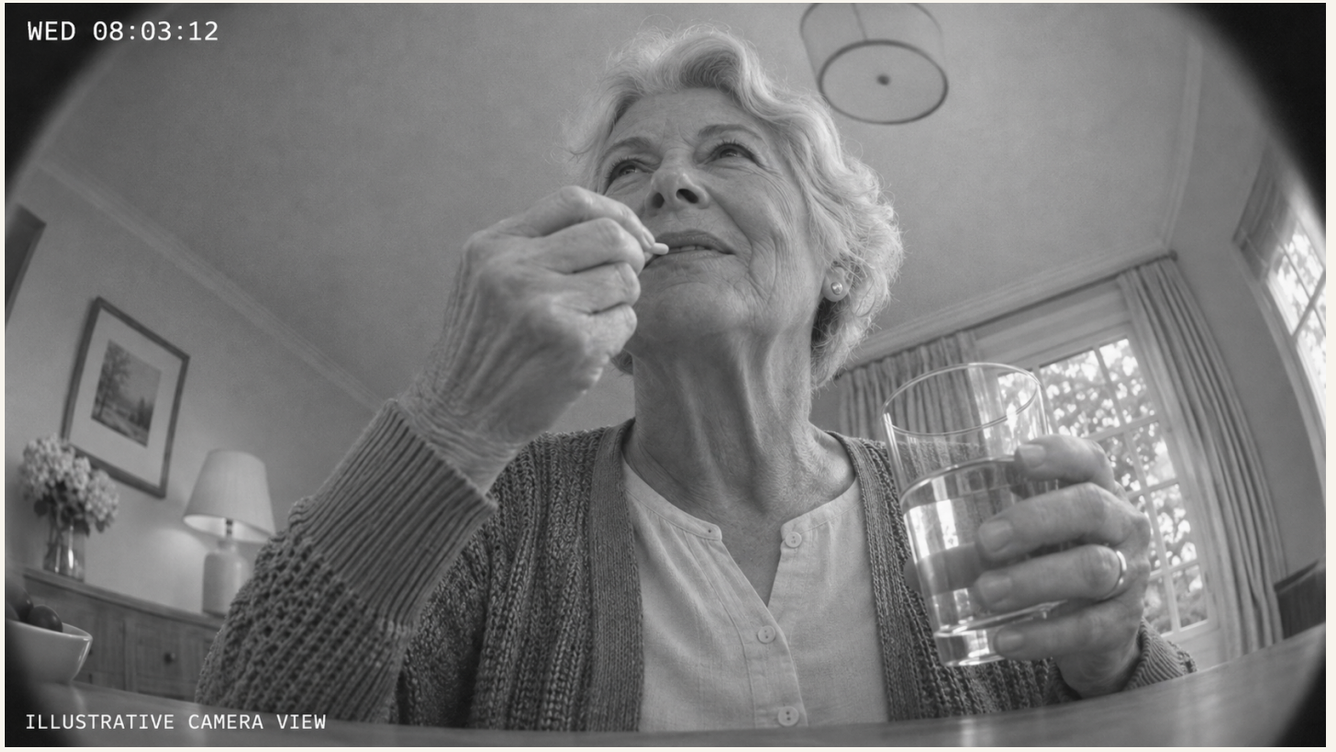
Choose a repeat-reminder interval and when a loved one should receive a no-activity alert. A reminder already marked as confirmed is not presented as a new dose.

Voice entry sets reminders; it does not prescribe or change doses. Ambiguous times require clarification. This two-row box is designed for two scheduled dose groups per day.

A VISUAL MOMENT FOR LOVED ONES

See the moment. Understand the context.

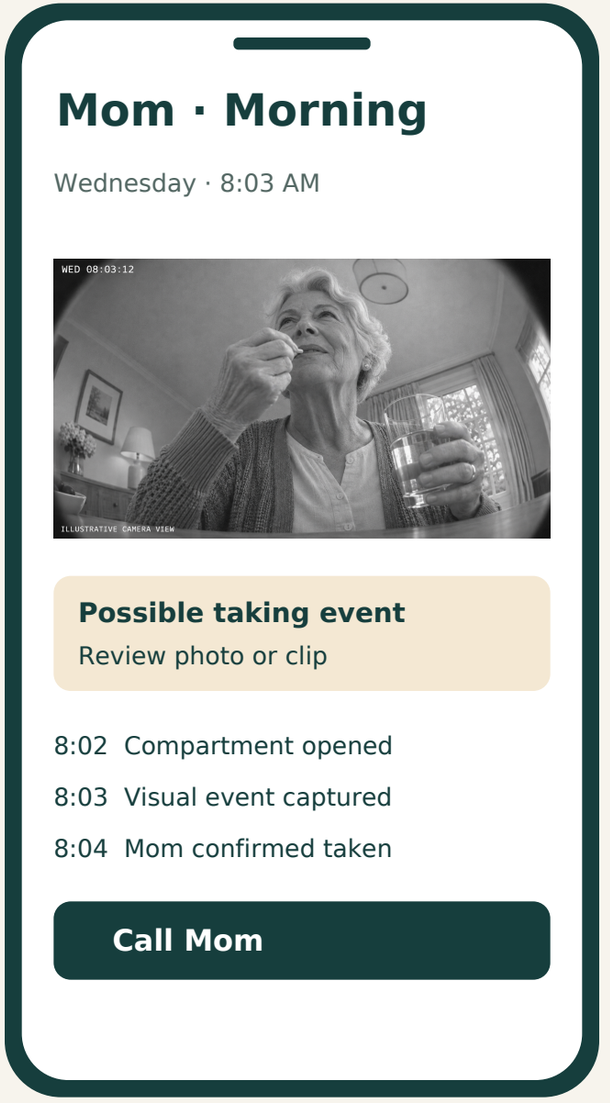
A black-and-white event image from the box’s own low, upward-facing camera.



Illustrative capture · Front fisheye lens · 30° upward mounting target

On a lid event, the camera records a short sequence. Software selects a useful frame and may flag a hand-to-mouth gesture for review.

A photo can show an action consistent with taking medication. It cannot establish what was swallowed, which medication it was, or the dose. Unclear footage stays unconfirmed.



CONNECTED CARE, WITH PERMISSION

Updates that invite a useful check-in.

Choose who receives updates, what they can see and when an alert is helpful.

8:03 AM · Visual event available

Mom’s morning compartment opened. A camera image is ready to review. Tap to see the event and its confirmation status.

8:30 AM · No activity recorded

No opening was recorded within the selected reminder window. Check in with Mom. This is an activity alert, not proof of a missed dose.

Stay informed without guessing

Separate labels for lid opened, possible taking event, user confirmed, unclear capture and box offline. No “verified swallowed” badge.

Sharing stays in the family’s control

Explicit invitation and consent. Per-person photo access. A visible recording light, physical privacy shutter, event-only capture and deletion controls.

At home: proposed Wi-Fi connection for remote family updates without requiring Mom’s phone nearby. Bluetooth supports setup and nearby use.

Away from Wi-Fi: reminders continue on the box; events queue until reconnection. Remote updates show connection status and may be delayed. Notification windows are configurable; this is not emergency monitoring.

THE FINAL CONCEPT DIRECTION

Premium hardware. Thoughtful software.

A clear brief for the next engineering prototype, with honest boundaries.

Format	14 compartments · 7 days · AM and PM
Envelope target	180 × 100 × 32 mm; under 350 g target
Finish	Brushed anodized aluminum: champagne gold or satin silver
Mechanism	Center hinges, outer push buttons, positive closing feel
Sensors	14 magnetic lid sensors; pill-presence sensing to validate
Camera	Recessed front fisheye, 30° upward; monochrome event view
Connectivity	Bluetooth setup; proposed Wi-Fi for remote family sharing
Power	USB-C rechargeable; camera power budget must be measured
App	Voice schedule setup, reminders, photo review and family alerts

Ready to prototype: button force, simultaneous lid clearance, actual pill capacity, camera field of view, sensor reliability, Wi-Fi and battery life. Camera processing requires additional hardware beyond the original Bluetooth-only architecture.

Finalized visual concept, not a validated medical product or manufacturing release. All features remain proposed.

PROPOSED ELECTRONICS

Connected by design. Efficient by intent.

Block-level schematic / Bluetooth + Wi-Fi / Not a circuit diagram released for manufacture

01 POWER + CHARGING

USB-C · 5 V
CC detection + ESD / input protection

→

Power-path charger
Input limit + thermal control + pack NTC input

→

Regulated power rails
Low-power rail + switched camera / Wi-Fi rails

→

System electronics
Controller, sensors, memory, camera and radios

↑↓

Protected 1-cell battery
Li-ion/Li-polymer; fuel gauge, pack thermistor and protection

Battery capacity and charging current follow measured load, pack limits and thermal tests. No runtime claim yet.

02 SENSING + CONTROL

Compartment inputs
14 Hall lid sensors + captured magnets. 14 IR presence channels proposed; coverage must be tested. Weight sensing is an alternative, not an additional requirement.

→

Controller + event storage
Input expander / sensor interface; local schedule, clock + backup, event log, battery status and watchdog.

→ ←

Camera + user feedback
Front 30° fisheye; shutter-position switch; capture processor / buffer. 14 amber LEDs + driver, recording light and optional buzzer.

Presence readings report present / empty / uncertain. Camera events cannot verify swallowing. Buttons and hinges remain mechanical.

03 APP + FAMILY COMMUNICATION

Bluetooth Low Energy
Pairing, voice-schedule transfer, configuration and nearby status via phone.

→ ←

Box: local-first operation
Stored reminders work offline. Events queue locally. Camera / radio wake on demand.

→ ←

Wi-Fi → secure service → app
Upload selected photos / clips; permission-based family notifications. Remote updates require internet.

Voice recognition runs in the phone/app service; confirmed times sync to the box. Image analysis may run on the phone or an opted-in service. Use encrypted links, authenticated pairing and a plastic antenna window in the aluminum frame.

To validate: optical blind spots, sensor thresholds, PCB/pack fit, RF coexistence, camera wake latency and total power budget.