Video-to-Knowledge: Camera-to-Insight-in-Seconds

Video-to-Knowledge: Camera-to-Insight in Seconds

NOTE: most of the images in this presentation have been generated with Microsoft's Image Creator

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Video-to-Knowledge: Vision

- Turn any picture into actionable knowledge fast, on any device.

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Video-to-Knowledge: Problem

- Manual image review is slow and inconsistent
- Important details get missed
- Fragmented workflows across devices

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Video-to-Knowledge: Solution

- Cross-platform .NET MAUI app
- Captured Image + Prompt → AI Vision
- Session history for reuse

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Video-to-Knowledge: Architecture

- MAUI UI + Camera.MAUI (MVVM)
- REST client to OpenAI proxy
- Navigation Page & App.xaml theming

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Video-to-Knowledge: Flows

- Capture Flow
  - Take or select photo
  - Edit prompt (optional)

- AI Processing
  - Image + prompt to vision endpoint
  - Configurable timeout & base URL
  - Timestamped history

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Video-to-Knowledge: UX Highlights

- Consistent blue filled buttons
- Large readable typography
- Rounded cards & light/dark aware UI

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Video-to-Knowledge: Security & Privacy

- No analytics or trackers
- HTTPS proxy communication
- Camera access only on demand

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Video to Knowledge: Performance & Reliability

- Reusable HTTP/HTTPS client
- Adjustable timeout
- Busy indicator prevents duplicates

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Video-to-Knowledge: Roadmap

- Offline queue & retry
- Export/share history
- Accessibility & theming options

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Video-to-Knowledge: some not so futuristic pictures (1)

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Video-to-Knowledge: some not so futuristic pictures (2)

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