



INNOVATIONLAB
QUANTA PI SOLO CASE STUDY



APPLYING DESIGN THINKING: THE CASE OF PI SOLO

Quanta Computer's Pi SOLO lifestyle camera for smartphones



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UNDERSTAND

1. Empathize

From their own observation, our client asked us to build a very unique high quality 187° wide-angle camera to connect to a smartphone.

2. Define

The team from the Innovation Lab prepared the technology specifications and used cases aligned with the necessary connectivity, performance and design expectations.

EXPLORE

3. Ideate

A collaboration with our client led to potential solutions to manufacture the product, including: components, design and technology. At this stage, we also identified potential technical, financial and operational roadblocks for the delivery of the project.

4. Prototype

We worked on the development of a prototype with stakeholders, including: ODM (Quanta), chipset vendor (confidential), camera module vendor (Truly), lens vendor (Kolen) and the software provider (Quanta). Together, we defined and benchmarked the platform, worked on the UX, mitigated hardware, firmware and software risks.

MATERIALIZE

5. Test

From the proof of concept to mass production, a wide-range of tests (EVT, DVT, PVT) were performed at every stage to minimize risks of errors and identify problems early on. Options were constantly corrected, adjusted and optimized to match expected results.

6. Deliver

At this stage, a production-ready technology was released, including: SDK, documentation and engineering support. We also introduced the product across social media and opened the discussion for potential improvement.

DEEP SEEING

[dep-seiNG]

Deep Seeing enables smart devices with augmented vision. By capturing high quality visual and contextual data in new ways, it unlocks the potential of Artificial Intelligence. Like superhuman eyes for your smart device.



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