

Hyperspectral Camera






for

Display Color Measurement

Dr. Ajay Arun (CEO) & Dr. Claudio Zanobini (CTO)



Quick Facts

Who are We?	Deep-tech Startup based in St. Gallen, Switzerland
Our Product	Hyperspectral Camera 
Target Market	Display Color Measurement   HUAWEI
Customer Benefits	 Cost saving (\$100+ Million yearly)  Speed - faster data acquisition time (2x)  Versatility - suitable for different display sizes and shapes
Team	Dr. Ajay Arun (CEO) + Dr. Claudio Zanobini (CTO)
Current Status	Prototype Testing (Patent pending: CH001469/2024)

Problem: Display Color Uniformity

Number of Displays in use Globally (8+ Billion)



20+ Million in Switzerland

1.3+ Billion in Europe

8+ Billion globally

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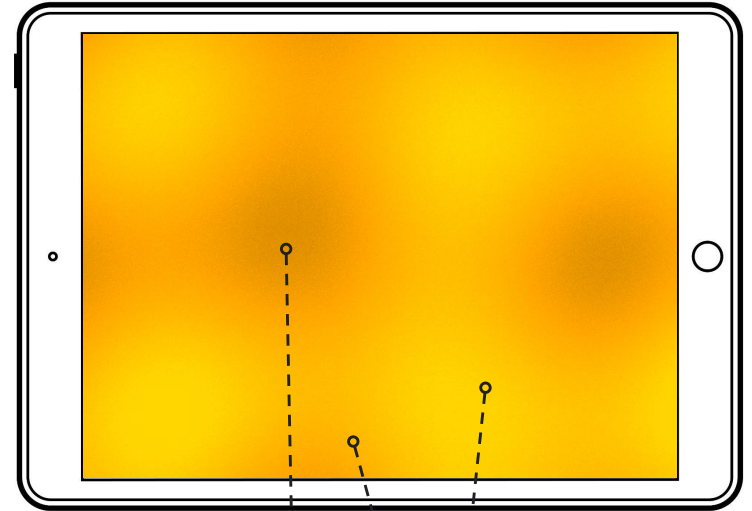
20+ Million in Switzerland
1.3+ Billion in Europe
8+ Billion globally

Display Color Uniformity Issues

→ Loss of Money & Reputation

Early Detection

- Cut waste by 30%;
- Saves \$100+ Million yearly

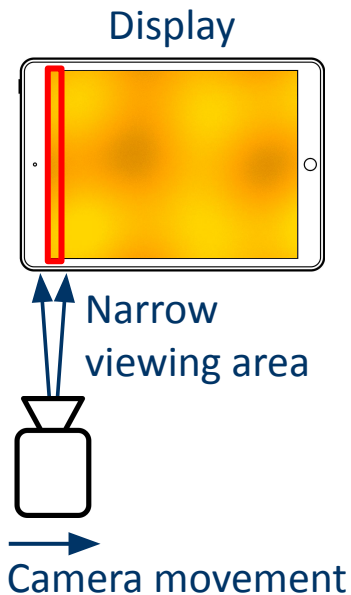


**Colors should be same,
but vary in reality**

Solution: Hyperspectral Camera

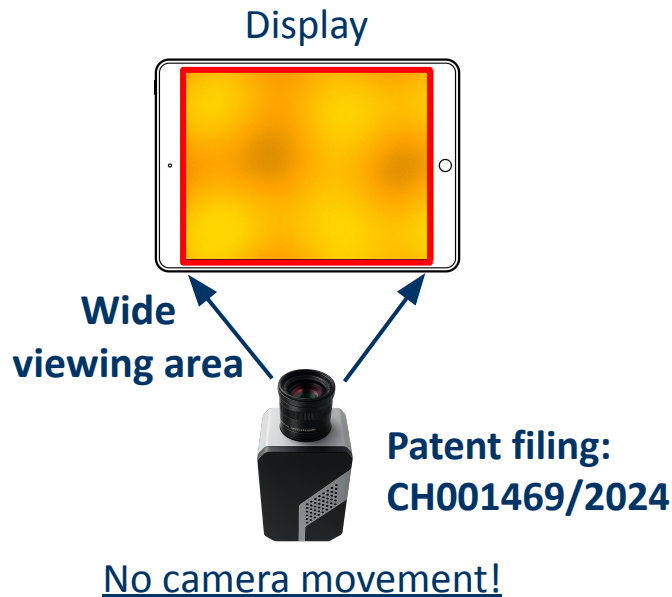
Competitors:

Inefficient, time-consuming & expensive



Our Solution:

Accurate, fast & versatile



Potential Customers



Proof of Market Traction!

Optics Developer

@ Prominent Consumer Electronics Company

"Amazing idea! A novel solution to our problem."

Senior Engineer

@ Prominent Consumer Electronics Company

"When can we have the prototype?"

Customer Benefits & USPs



Cost Savings (\$100+ M yearly)

No external scanners



Faster Data Acquisition (2x)

Due to optical scanning



Reliability (2x)

Due to less maintenance



Faster Deployment (3x)

Less set-up time



Highest Accuracy (3x)

Custom-optics makes it possible

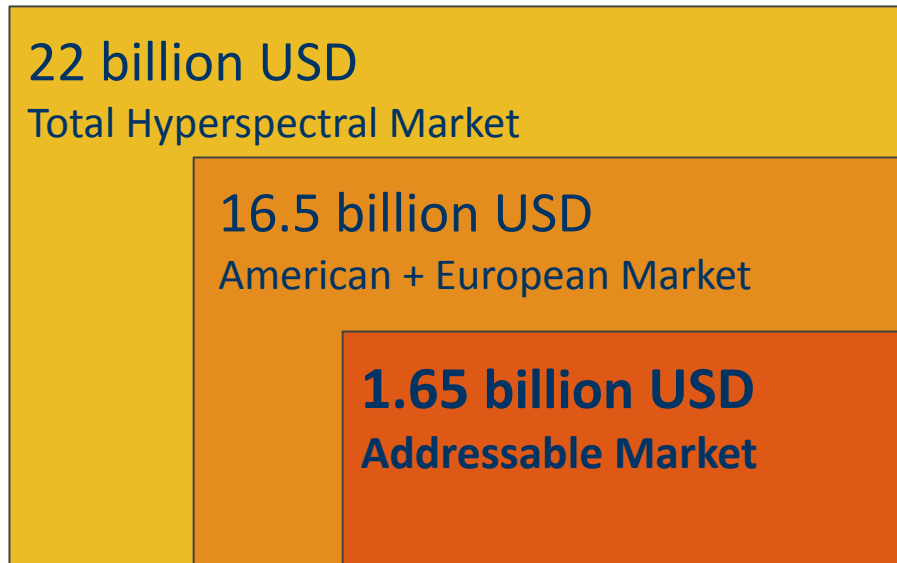


Lightweight (6-7 kg)

Makes it versatile

Market Analysis

Market Size

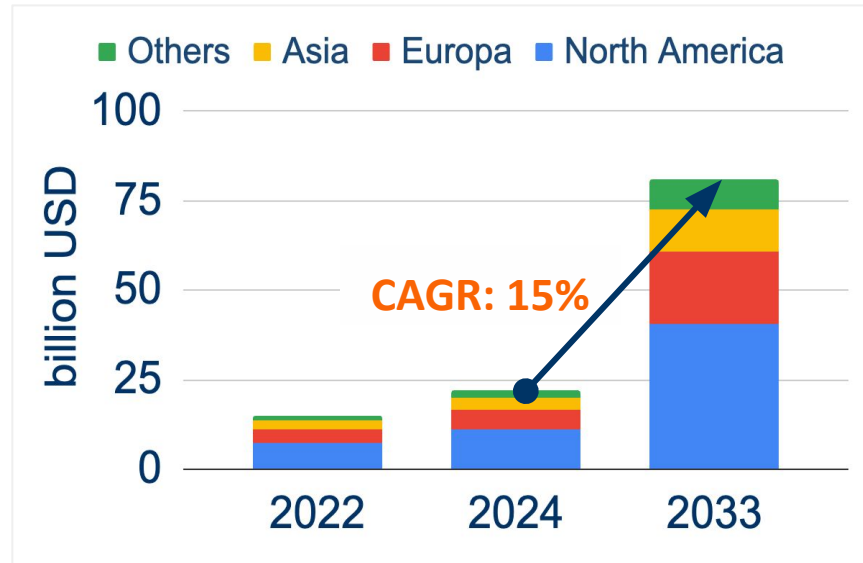


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Market Growth



Emerging market with strong growth!

Competition

Company	Speed	Accuracy		Reliability	Cost Savings
		Spectral	Spatial		
HySpex (Norway)	❖ ❖	❖ ❖	❖ ❖ ❖	❖ ❖	❖ ❖
Clyde (UK)	❖ ❖	❖	❖ ❖ ❖	❖ ❖	❖
Surface Optics (US)	❖ ❖ ❖	❖ ❖	❖	❖ ❖	❖ ❖ ❖
Photon (Canada)	❖ ❖	❖ ❖ ❖	❖ ❖	❖ ❖ ❖	❖ ❖
Lightlink (CH)	❖ ❖ ❖	❖ ❖ ❖	❖ ❖ ❖	❖ ❖ ❖	❖ ❖ ❖

Optical Scanning + Superior Image Quality → Makes Lightlink Stand out!

Business Model






We sell Camera  + Software + Services

Price / unit CHF 110k (60% margin)

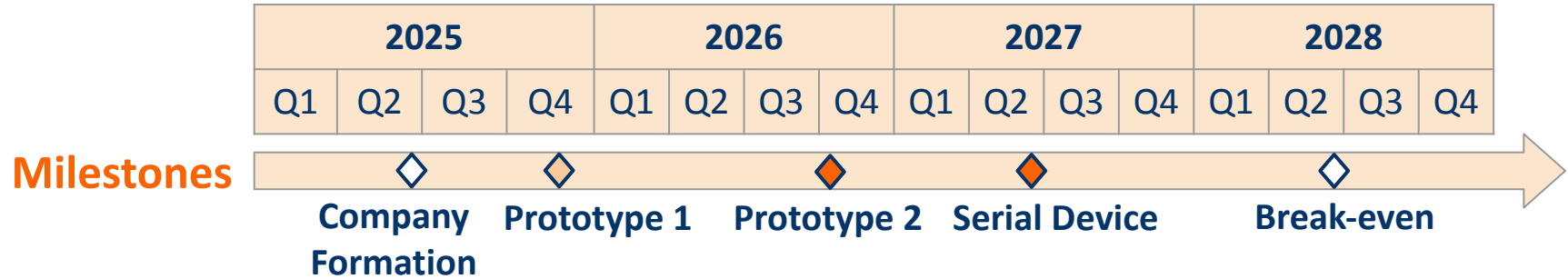
Recurring revenue CHF 5k /  / year (yearly re-calibration)

Assembly time 1 day → made in 

Go-to market strategy

1. Approach Engineers in display development labs 
2. Customer tests  for 3-4 weeks
3. Customer buys one or more 
4. Proved in labs → Entry into display mass production  

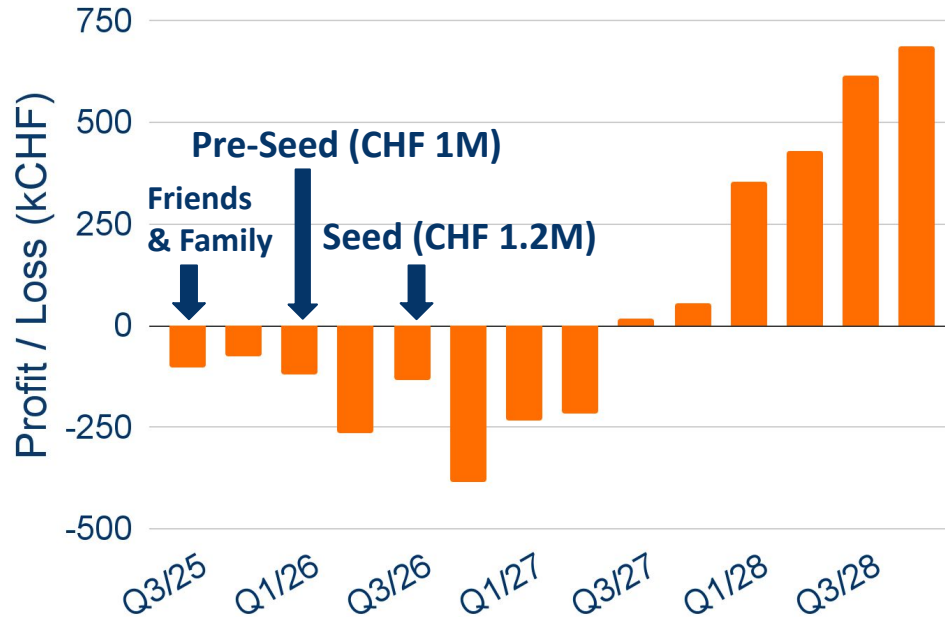
Roadmap



Achievements

- ✓ Project started in 2021
- ✓ International Patent Filing + 2nd Patent in Preparation
- ✓ Prototype Design
- ✓ Financing (Friends & Family)

Finance Plan



- **Total investment:**
CHF 2.2M
- **Major costs:**
Camera + Lab + Personnel
- **Break-even:**
End of Year 3 (Q2/28)
Sold: 4 devices / month

Team



Dr. Ajay Arun
Founder & CEO
PhD in Optics

- ✓ Business Development
- ✓ Project Management
- ✓ Product Development



Dr. Claudio Zanobini
Co-Founder & CTO
PhD in Optics

- ✓ Software Development
- ✓ Product Management
- ✓ Automation

⇒ ***Sales & Marketing Personnel hiring during Q3-2026!***



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