



~Reduce 50% of World Blindness and save people's health through their eyes!!~



OUI Inc. – Start up from KEIO UNIVERSITY

BUSINESS



Shintaro Nakayama

VP of Global Business

MEDICINE



Eisuke Shimizu MD,

PhD

CEO, Founder

ENGINEER



Makoto Tanji PhD

Chief AI Engineer



Naoto Hamashima

Development
Manager



Naoko Sato

Strategy
Manager



Yo Nakahara

Keio MED



Yui Kojima

Nippon MED



Ryota Yokoiwa

Chief
Hardware Engineer



Toshiki Ishikawa

Sub-chief
AI Engineer

etc、 Sales • PR • Viet Nam • East Africa 10-15 member

Intern (Med student Keio • Nippon Med • Keio • Hitotsubashi)



Our Mission

Reduce 50% of World Blindness and save people's health through their eyes!!



A smartphone attach Slit-lamp device* Which have equal function to conventional ophthalmology medical device



Conventional medical device and SEC

Slit-lamp microscope =

**Smart Eye
Camera (SEC)**



**30,000–50,000
USD/unit**



2,000 USD/unit (JP)



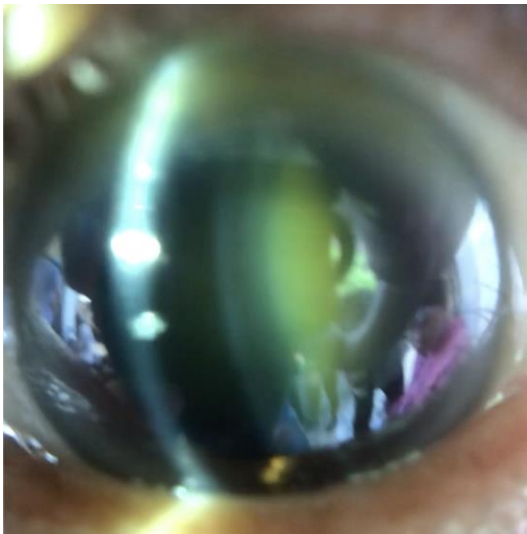
SEC – Feature of the device

Only using light source and camera of smartphone

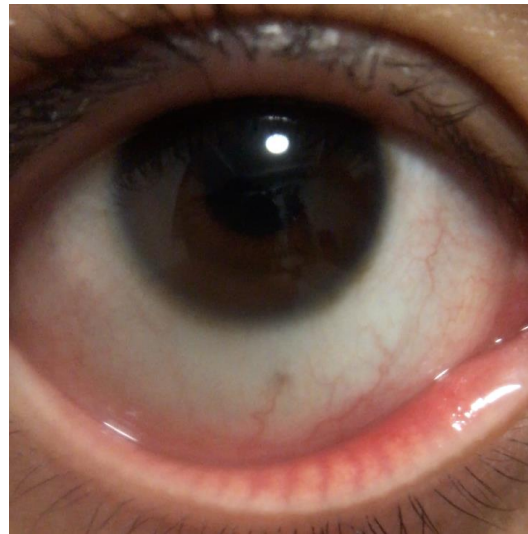
No external light source, no extra battery

Only 150g including smartphone

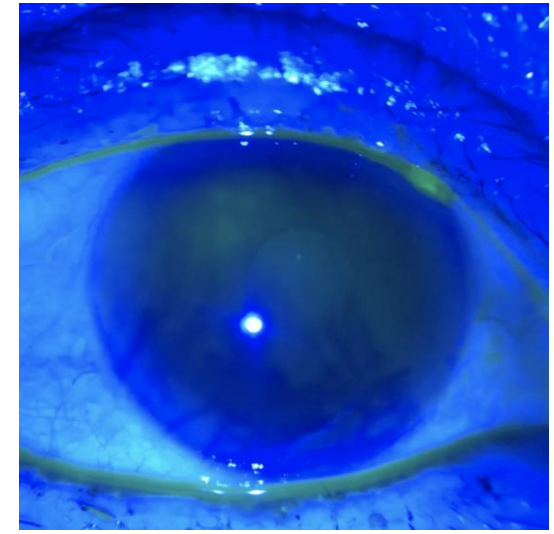
Slit light
(Cataract*)



Diffuse light
(Ocular Allergy**) (Dry Eye Disease***)



Blue light
(Dry Eye Disease***)



* Yazu H, et al. *Diagnostics*. 2020. **Yazu H, et al. *Diagnostics*. 2021.

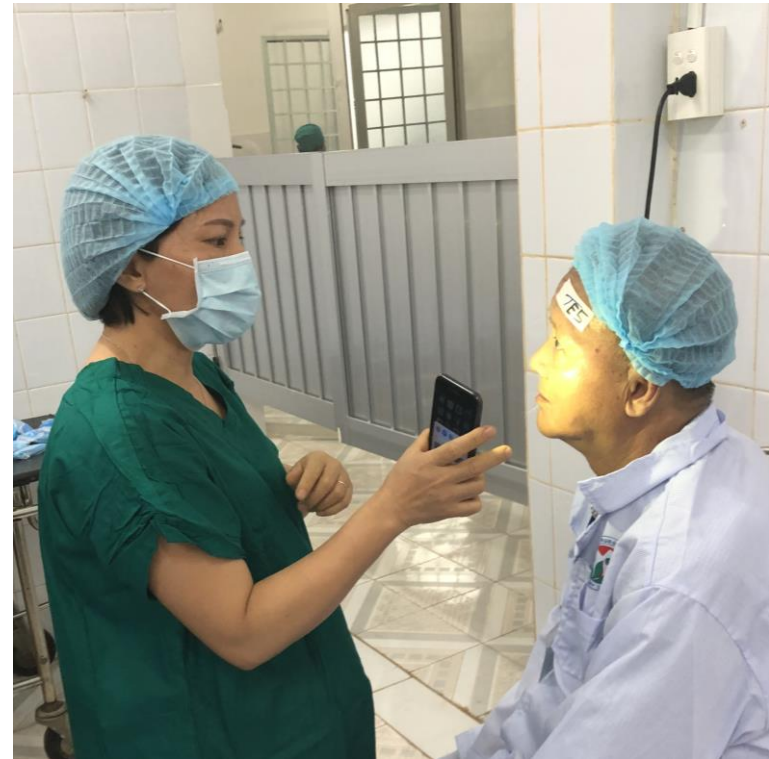
*** Shimizu E, et al. *Transl Vis Sci Technol*. 2021.

SEC – Find the needs in Vietnam

**No Ophthalmology
Device in the
Rural area**

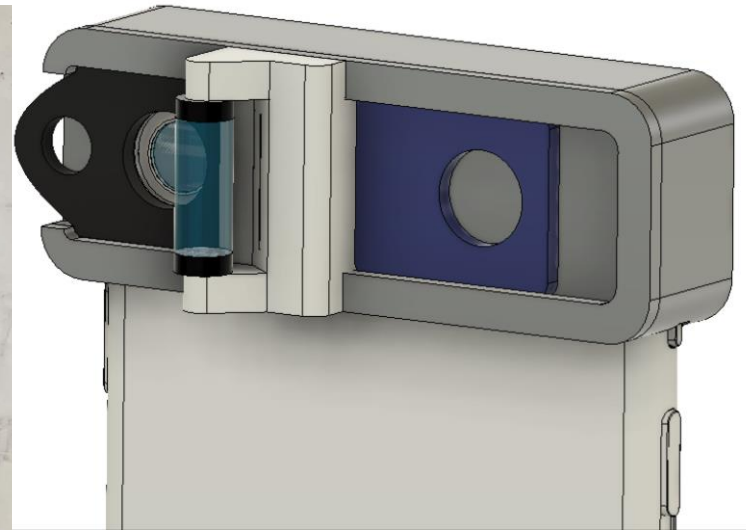
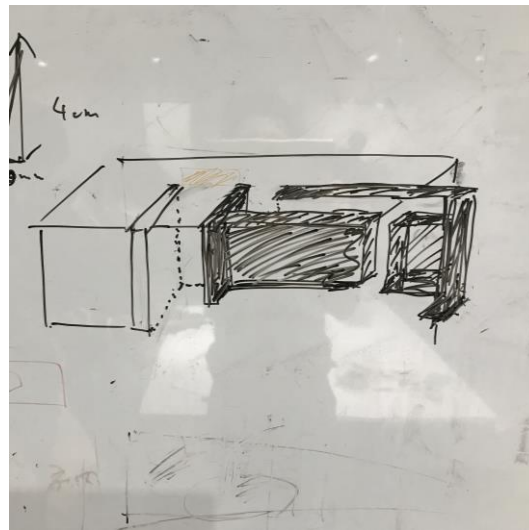
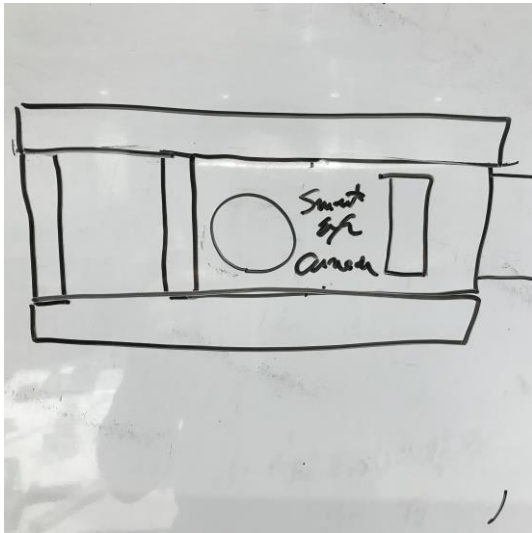


**All civilians
have their
Smartphones**



SEC – Development

Workshop & design to create the product

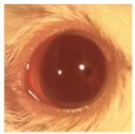
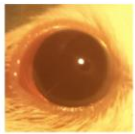
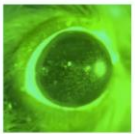
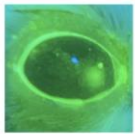


Experiment with our own eyes

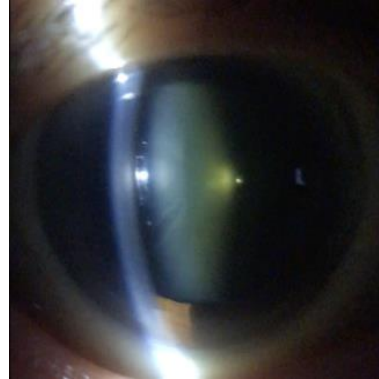


SEC – Our evidences

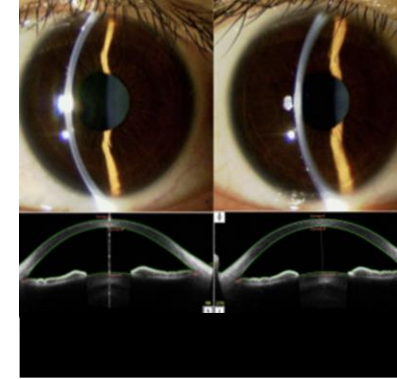
Animal study¹⁾

	Existing technique	Smart Eye Camera
White light		
Blue light		

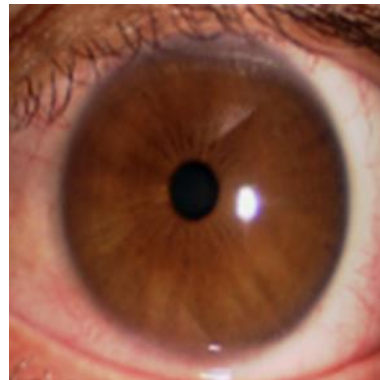
Clinical study Cataract²⁾



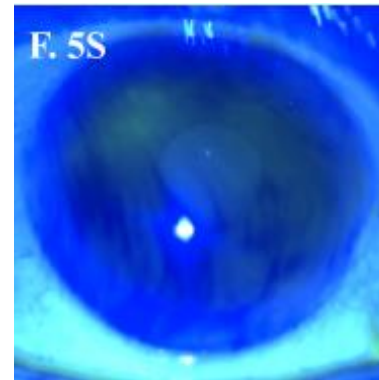
Clinical study Glaucoma attack³⁾



Clinical study Ocular Allergy⁴⁾



Clinical study Dry Eye Disease⁵⁾



1) Shimizu E, et al, *PLoS One*. 2019. 2) Yazu H, et al. *Diagnostics*. 2020. 3) Shimizu E, et al. *Sensors*. 2021.
4) Yazu H, et al. *Diagnostics*. 2021. 5) Shimizu E, et al. *Transl Vis Sci Technol*. 2021.

SEC – Medical device registration

JapanJP



CE mark (EU)

Notification according to Art. 6 MedDO¹ dated 07.05.2021 regarding
Smart Eye Camera / SEC

Acknowledgement of receipt

Dear Sir,

We have received the notification of the above-mentioned product and numbered it as shown below:

Notification No.: CH-202105-0022

Medical Device Class I

KenyaKE



MINISTRY OF HEALTH

PHARMACY AND POISONS BOARD

(Section 3B(2)(e) of the Pharmacy and Poisons Act, Cap 244 Laws of Kenya)

MEDICAL DEVICE REGISTRATION CERTIFICATE

Viet NamVN

PHIẾU TIẾP NHẬN

Hồ sơ công bố tiêu chuẩn áp dụng của trang thiết bị y tế thuộc loại A

1. Tên cơ sở công bố: CÔNG TY TNHH PARIS MIKI VIỆT NAM
2. Địa chỉ: Tầng 7, Số 32, Phố Phó Đức Chính, Phường Trúc Bạch, Quận Ba Đình, Thành phố Hà Nội
3. Số văn bản đề nghị của cơ sở: 01-10/PMVN Ngày: 27/10/2021
4. Trang thiết bị y tế thuộc loại A
Tên trang thiết bị y tế: Đèn khe camera soi mắt thông minh
Chung loại/mã sản phẩm: Smart Eye Camera Slit-lamp device/ Smart Eye Camera Slit-lamp device SLM-i07
Smart Eye Camera Slit-lamp device SLM-i08/SE
Smart Eye Camera Slit-lamp device SLM-unv100

Japa : 13B2X10198030101, 13B2X10198030201

CE notification number: CH-202105-0022

Kenya:MD/2021/3610 b4be59e7a3b1e4f5de0bf364741c35f6

Vietnam: 210002066/PCBA-HN



SEC – Functional App for online consultation

The screenshot displays the SEC app interface. On the left is a dark blue sidebar with navigation options: Administration, medical institute, chat, Videos (highlighted in yellow), and Logout. The main content area is titled 'Videos' and features a search bar labeled 'Enter Patient ID'. Below the search bar, there are buttons for 'New date' and 'Old date'. A pagination bar shows 'Latest video' and a sequence of page numbers from 1 to 43, with page 1 selected. The video thumbnails are organized by date: 2022-01-19 and 2022-01-16. Each thumbnail includes the name '慶眼会 次郎', a timestamp, and a unique ID.

Date	ID	Timestamp
2022-01-19	5637	2022-01-19 14:48
	5755	2022-01-19 12:40
	3947	2022-01-19 11:52
	5754	2022-01-19 11:40
	5003	2022-01-19 11:20
2022-01-16	5740	2022-01-16 18:10
	362	2022-01-16 17:58
	5739	2022-01-16 17:26
	5738	2022-01-16 17:16
	5736	2022-01-16 16:19
	5730	2022-01-16 16:11
	5657	2022-01-16 16:05
	5732	2022-01-16 15:59
	5735	2022-01-16 15:56
	5734	2022-01-16 15:38
	5731	2022-01-16 15:31
	5730	2022-01-16 15:27

- Filing eye data on the cloud.
- Unlimited data capacity.
- Online consultation to the ophthalmologists.

SEC – Demographic use of SEC

Pediatric ICU in Indonesia



Rural clinic in Malawi



SEC – Demographic use of SEC

Indio in Brazil



Eye Camp in Vietnam



SEC – Over 20 countries and over 100 SECs!!

Kenya KE
Githigolo hospital



Nepal NP
BM foundation



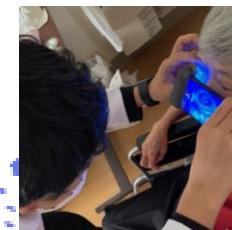
Mongliam MN



Indonesia ID
Harapan Kita Mother and Children Hospital



Japan JP



Zambia ZM



Cambodia KH
Angkor Hospital



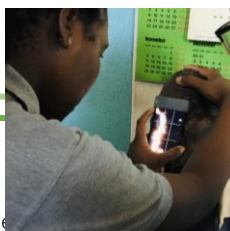
DRC CD



Kenya KE
Gerttude's Children's Hospital



Malawi MW
BICO



India IN
Aravind Eye Hospital



Brazil BR

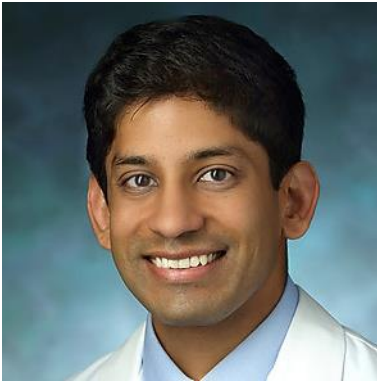


Smart Eye Camera – User’s voice



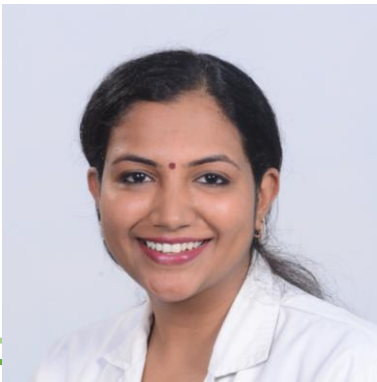
“SEC is the game changer, great device for telemedicine and reduce medical cost!! “

Prof. Khumbo Kalua, M.D., M.P.H.
Director of BICO MALAWI



“We were very impressed with the clarity of the images taken by the SEC!! We tried the lens on several older Android phones without the rest of the attachment and it produced excellent images despite those phones having much worse cameras than the iPhone.”

Dr. Nakul Singh Shekhawat M.D., M.P.H.
Assistant Professor. The Johns Hopkins University



“SEC is quite handy and user friendly. Good clarity and focus at lid, cornea, conjunctiva, and anterior chamber depth. Also, cataract status can be assessed.”

Dr. Preethika Gandhi, M.D.
Medical doctor at Aravind Eye Hospital



World's first medical device of anterior segment diagnostic AI

Non-ophthalmology

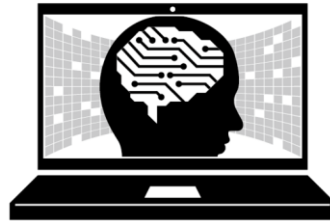


①

Non-ophthalmologist
(nurse, other HCPs)
Use SEC to record video



Diagnostic AI



②

Auto Diagnose by AI



③

Referral letter if needed
For the treatment
or
No need for any treatment



Medical device approval in 2023!!

Smart Eye Camera – Our Vision

Reduce 50% of World Blindness and save people's health through their eyes!!

