Near Eye Display for Smartphone
(Phone Screen & AR/XR Screen)

ABOUT US

Company	• Elvision Technology Inc
Location	• SEOUL KOREA
Foundation	• Sep. 15. 2014
Staffs	• Local: 9 / Oversea : 4
Website	• www.elvisionteh.com / www.typecphonescreen.com
R&D Center	• Issued Date : 2014. 11. 26.
Venture Company	• Issued Date : 2015. 9. 24.
Capital	• KR₩500Mil.

Plastic optical Lens for AR MR
Global No 1 Technology

Phone Screen glasses
100% development completed

Augmented Reality Smart glasses
90% development completed

- **Who is?**

● Elvision is a company that is
① AR / MR glass maker (Korea's only), one of the core industries of the 4th industry
② Developed the world's best technology of See-through Optics lens for AR / MR
③ Produces a display glasses for smartphones that can view all the videos(YouTube, Sports, TV) at any time and anywhere

● Based on technology such as developing the world's first plastic-based multi-faceted prism lens technology, Elvision has been producing high-performance transmissive optical systems and Near Eye glass displays for HD/Full_HD and 80~96-inch smartphones.

● The company possesses cutting-edge optical technology solutions in the field of See-through HMD, which is the core technology of augmented reality devices, and has the core technologies of the world's best AR glass devices such as high transmittance, wider FOV, lighter weight and smaller volume.

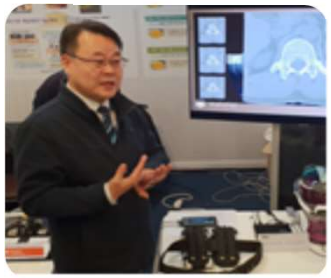
CORE MEMBERS

Zhongliang Li 李 仲 亮
Partner
Global Management
Career : 45 Years

David Park 朴 洙 遠
Chief Executive Officer
Total Management
Career : 35 Years

Max Lee 李 垠 瑢
Vice President
Global Marketing
and Strategic Planning
Career : 25 Years

Te cue Lee
Chief Director
Production Management
Career : 27 Years



John Park
Chief Technology Officer
Research Director
Career : 26 Years

Ethan Kim
Chief Engineer
Technical Management
Career : 28 Years

Phromphol Jakkachaphol
International Lawyer
International legal affairs
Career : 20 Years

Paul Lee
CMO Oceania-Asia
Global Marketing
Career : 20 Years

Henry Qi
President of China
Global Management
Career : 40 Years

CORE PRODUCTS

Product Name	AR Screen with AP Unit – Tethered Type
Classification	Augmented/Mixed Reality Device

Main Function

- Independent or WiFi connection based AR/MR service function
  - High resolution of HD(1280x720)/ Full HD(1920x1080) level, large screen of 90" level
  - Visor selection function to select anterior perspective transmittance
- Android AP based AR/MR service processing unit
  - Android 8.1 Dual ARM Core Cortex-A72+Quad ARM, LPDDR3 2GB, 16GB Flash
  - ARM Mali-T860MP4 GPU,
  - Gigabit Ethernet 1 port, WiFi(IEEE802.11 a/b/g/n/ac), Bluetooth(V4.0(HS) BLE)
  - RGB Camera(5M, AF), 6DoF(IMU)
  - Microphone for voice recognition
- User UI/UX function for AR service

Features/Benefits

- High-performance display device for image output for AR/XR
  - High resolution of HD/Full HD level, large screen of 90" level
  - Securing user convenience by applying goggle-type design
- High-performance optical system of multi-faceted prism beam split method
  - Lightweight with plastic material-based optical system (optical display unit module less than 20g)
  - Forward vision transmittance up to 40% or more
- Realization of perfect stereoscopic image display without left/right interference (Full Side By Side)
- Stereo earphone jack for audio output
- Built-in high-capacity battery (4000mAh) ensures ample operating time (3 hours)

Product Image

Specification

☐ **Display Glasses**

- *Visual perceptive Image Size : ≧90" at 3meters (Diagonal)*
- *Resolution in each Display : 1280x720 / 1920x1080 per Eye*
- *External Digital Media Interface : HDMI Interface*
- *See-through Optic Design/Binocular*
- *Adjustable IPD : 58~66mm*
- *Stereoscopic 3D Display (Side By Side)*
- *Attachable UV filter Visor for day-light*

☐ **Android AP Unit**

- *Sensor for AR Service : USB2.0 Appliance*
  - ☑ *Camera Sensor : 5M/8M pixels*
  - ☑ *Tracking Sensor : 9-Axis IMU Sensor*
  - ☑ *GPS*
- *Android 8.1 Dual ARM Core Cortex-A72+Quad ARM, LPDDR3 2GB, 16GB Flash*
- *ARM Mali-T860MP4 GPU,*
- *External Storage(MicroSD)-1 slot*
- *Connectivity*
  : WiFi(IEEE802.11 a/b/g/n/ac), Bluetooth(V4.0(HS) BLE)
- *Audio Input(UI) : Microphone*

CORE PRODUCTS

Product Name	AR Screen – Tethered Type
Classification	Augmented/Mixed Reality Device

Main Function

- Independent or WiFi connection based AR/MR service function
  - High resolution of HD(1280x720)/ Full HD(1920x1080) level, large screen of 90" level
  - USB Type-C Interface
  - Visor selection function to select anterior perspective transmittance
- User UI/UX function for AR service
  - Sensor for AR service (USB 2.0 Interface)
    . 5M/8M Pixel-class AF Camera for object recognition
    . 9-Axis IMU Sensor for user head tracking
  - Microphone for voice recognition

Features/Benefits

- High-performance display device for image output for AR/XR
  - High resolution of HD/Full HD level, large screen of 90" level
  - Securing user convenience by applying goggle-type design
- High-performance optical system of multi-faceted prism beam split method
  - Lightweight with plastic material-based optical system (optical display unit module less than 20g)
  - Distortion-free image with high-performance optical system
  - Up to 40% or more of anterior perspective transmittance
- Realization of perfect stereoscopic image display without left/right interference (Full Side By Side)
- Stereo earphone jack for audio output
- USB Type-C single interface

Product Image

Specification

- *Visual perceptive Image Size : ≧90" at 3 meters (Diagonal)*
- *Resolution in each Display : 1280x720 / 1920x1080 per Eye*
- *External Digital Media Interface : USB Type-C Interface*
- *Audio Output : Stereo EarJack*
- *See-through Optic Design/Binocular*
- *Adjustable IPD : 58~66mm*
- *Stereoscopic 3D Display (Full Side By Side)*
- *Power Consumption : 3W(normal)*
- *Attachable UV filter Visor for day-light*
- *Sensor for AR Service : USB2.0 Appliance*
  - ☑ *Camera Sensor : 5M/8M pixels*
  - ☑ *Tracking Sensor : 9-Axis IMU Sensor*
  - ☑ *Audio Input(UI) : Microphone*

CORE PRODUCTS

Product Name	AR Glasses – Stand alone Type
Classification	Augmented/Mixed Reality Device

Main Function

- Independent or WiFi connection based AR/MR service function
  - High resolution of HD(1280x720)/ Full HD(1920x1080) level, large screen of 90" level
  - Visor selection function to select anterior perspective transmittance
- User UI/UX function for AR service
  - Sensor for AR service
    . 5M Pixel-class AF Camera for object recognition
    . 6-Axis IMU Sensor for user head tracking
  - Microphone for voice recognition

Features/Benefits

- High-performance display device for image output for AR/XR
  - High resolution of HD/Full HD level, large screen of 90" level
  - Securing user convenience by applying goggle-type design
- High-performance optical system of multi-faceted prism beam split method
  - Lightweight with plastic material-based optical system (optical display unit module less than 20g)
  - Forward vision transmittance up to 40% or more
- Stereo earphone jack for audio output
- USB 2 port (for charging, for data)
- Built-in high-capacity battery (2000mAh) ensures ample operating time (1.5 hours)

Product Image

Specification

☐ **Display Glasses**

- *Visual perceptive Image Size : ≧90" at 3meters (Diagonal)*
- *Resolution in each Display : 1280x720 / 1920x1080 per Eye*
- *See-through Optic Design/Binocular*
- *Adjustable IPD : 58~66mm*
- *Attachable UV filter Visor for day-light(Transparency 3~40%)*

☐ **Android AP Unit**

- *Sensor for AR Service*
  ☑ *Camera Sensor : 5M pixels AF*
  ☑ *Tracking Sensor : 6DoF(IMU) Sensor*
  ☑ *GPS*
- *Android 8.1 Dual ARM Core Cortex-A72+Quad ARM, LPDDR3 2GB, 16GB Flash*
- *ARM Mali-T860MP4 GPU,*
- *External Storage(MicroSD)-1 slot*
- *Connectivity: WiFi(IEEE802.11 a/b/g/n/ac), Bluetooth(V4.0(HS) BLE)*
- *Audio Input(UI) : Microphone*

CORE PRODUCTS

Product Name	AR Glasses – HMD Type
Classification	Augmented/Mixed Reality Device

Main Function

- Independent or WiFi connection based AR/MR service function
  - High resolution of HD(1280x720)/ Full HD(1920x1080) level, large screen of 90" level
  - USB Type-C Interface
  - Visor selection function to select anterior perspective transmittance
- User UI/UX function for AR service
  - Sensor for AR service
    . 5M/8M Pixel-class AF Camera for object recognition
    . 9-Axis IMU Sensor for user head tracking
  - Microphone for voice recognition

Features/Benefits

- High-performance display device for image output for AR/XR
  - High resolution of HD/Full HD level, large screen of 90" level
  - Securing user convenience by applying goggle-type design
- High-performance optical system of multi-faceted prism beam split method
  - Lightweight with plastic material-based optical system (optical display unit module less than 20g)
  - Realization of distortion-free image with high-performance optical system (distortion rate less than 3%)
  - Forward vision transmittance up to 40% or more
- Realization of perfect stereoscopic image display without left/right interference (Full Side By Side)
- Stereo earphone jack for audio output

Product Image

(Helmet Mounting Type)

(Head Mounted Type)

Specification

☐ **Display Glasses**

- *Visual perceptive Image Size : ≧90" at 3meters (Diagonal)*
- *Resolution in each Display : 1280x720 / 1920x1080 per Eye*
- *See-through Optic Design/Binocular*
- *Adjustable IPD : 58~66mm*
- *Attachable UV filter Visor for day-light(Transparency 3~40%)*

☐ **Android AP Unit**

- *Sensor for AR Service*
  ☑ *Camera Sensor : 5M pixels AF*
  ☑ *Tracking Sensor : 6DoF(IMU) Sensor*
  ☑ *GPS*
- *Android 8.1 Dual ARM Core Cortex-A72+Quad ARM, LPDDR3 2GB, 16GB Flash*
- *ARM Mali-T860MP4 GPU,*
- *External Storage(MicroSD)-1 slot*
- *Connectivity: WiFi(IEEE802.11 a/b/g/n/ac), Bluetooth(V4.0(HS) BLE)*
- *Audio Input(UI) : Microphone*

❖ See-through Optical System

- High Level See-through Optical System
  - Based on Plastic material
  - Ultra high technology for Polygon combination Lens

Simplest But Highest Difficulty

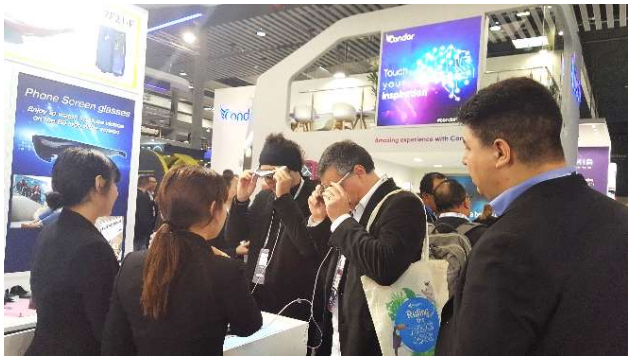
- Secured Patent
  - See-through HMD Optical System(Patent 3 Case, Design 2 Case)
  - HMD Optical solution(4Cases)

APPENDIX

1. OVERSEAS MARKETING Activities

ROAD SHOW

MWC BARCELONA 2019 | CES LAS VEGAS 2019



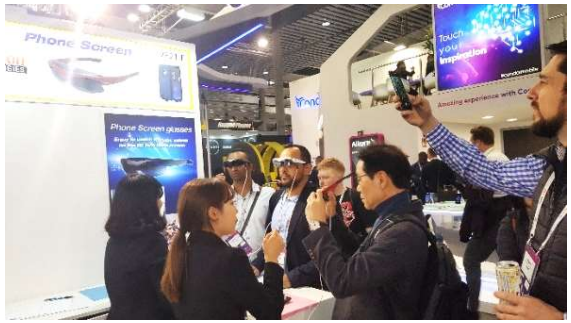
OFFICIALLY BEGAN OUR GLOBAL MARKETING






CNN and Global MNO Visited

MWC19 Barcelona

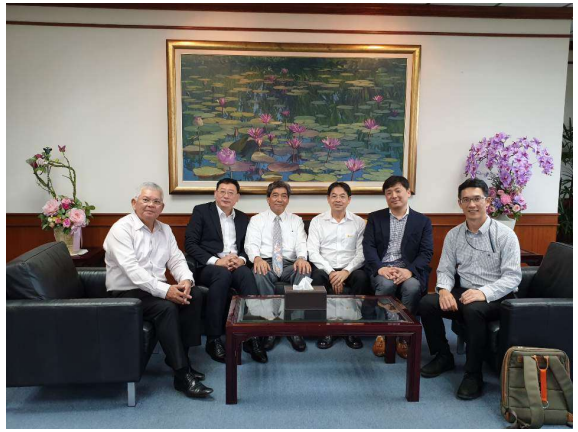





CNN and Global MNO Visited

GSMA MWC19™ Barcelona

Korea-Thailand Startup Summit



GITEX(Gulf Information Technology Exhibition, UAE Dubai)

GITEX FUTURE STARS
6-9 OCT 2019
DUBAI WORLD TRADE CENTRE

GITEX TECHNOLOGY WEEK









Phone Screen glasses for your winning business

Thank you for review!

Get in touch ! We'd love to hear from you
Phone Screen glasses, Augmented Reality Smart glasses
www.typecphoneglass .com
VP. Max Lee. koraus819@naver.com