

THE BEST VIEWING EXPERIENCE ®

Surgeon's fatigue due to monitor-oriented operation was a long debated topic among medical staffs. with SCOPEYE, there is no need for surgeons to turn their heads to focus on monitor screens which creates ergonomic challenges and discomfort during long operations.

Clear images with wider FOV(40°) for precise work 1080p (per eye) / 16:9 Compatible with any medical imaging devices Compatible with 3D medical imaging devices Support both wired and wireless Applied ergonomic design for medical staff

THE BEST SURGICAL VIEWING EXPERIENCE MediThinQ

SCOPEYE

MediThinQ

SCOPEYE is a Medical Eyes Up Display offering unrivalled surgical viewing experience to surgeons by providing a comfortable, lightweight and ergonomically sound experience during the most complicated surgical procedures.

Image **flip** function (Mirroring or Inverting)

Compatible with **3D** medical imaging devices



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'FOV(40°) for precise work'



SCOPEYE EUD (Eyes Up Display) LINEUP



Wireless

SCOPEYE wireless is a solution that enables surgeons to have no limitation with their position and orientation during dynamic operations.



Wired

SCOPEYE wired is a solution that is recommended for static operations and especially for the unstable environment with special issues.



SCOPEYE MAIN FEATURE

Our proprietary wireless systems are available for our EUDs: MEDICAL GRADE; COMPATIBILITY; 3D; DATA INTEGRATION; SAFETY; SECURITY.

- Compatible with most medical imaging equipment including 3D capability.
- Seamless wireless & internet network enables remote healthcare service.
- Capital efficient system compared to existing costly approach.
- Improve results with access to EMR, RIS and PACS
- Connection up to 3 EUDs wirelessly.
- Adjust color and rotate/reverse Image.
- Immersive/Interactive video conferencing over internet without latency.



MICROSCOPY

Wired Eyes Up Display solutions for surgical microscopes

COMPATIBLE TO ALL ELECTRONIC MICROSCOPES

- Displaying microscope image on 2 smart glasses simultaneously
- Lower surgeon's fatigue by enabling natural posture.

SCOPEYE Wired



FLUOROSCOPY

Wireless Eyes Up Display solutions for C-arm/O-arm surgical image display

Optimized for C-arm X-ray image on smart glasses shown in surgeon's vision supports prompt and accurate action

Improvement of surgical intervention

Lowering fatigue and chronic pain with natural posture SCOPEYE Wireless

High efficiency Shortening operation time with

surgeon's free movement and minimized equipment relocation



ULTRASOUND

Wired Eyes Up Display solutions for ultrasound applications

Providing special connections with Ultrasound equipment Transducer, handheld device and EUD must be connected together

Improvement in terms of ergonomics No need to turn your head away from the patient or hold the tablet with one hand to see the ultrasound image





ENDOSCOPY

Wired Eyes Up Display solutions for Endoscopy equipment Compatible with laparoscopes, gastroscopes, arthroscopes, etc...

PLUG AND PLAY

User-friendly "plug and play", integrating wireless/wired glasses With medical imaging equipment





ROBOTIC SURGERY Transmitting 3D images from robotic surgery system for medical staffs and trainees

Wireless EUD

Displaying image on upto 3 SCOPEYE Wireless EUD simultaneously

3D Simulation Simultaneous transmission of identical 3D image

SCOPEYE Wireless

Caption & PIP Caption and PIP Functionfunction for training purpose (Addition of real-time comment on operation)



40 inch screen right in front of you Handheld tablet is getting smaller but everybody wants to have the sight of big image for their accurate and precise work



SCOPEYE BASIC PACKAGE

- SCOPEYE
- Shader : transparent/ semi-transparent/ opaque
- Nose piece
- Head cushion : $\ensuremath{\mathsf{S}}\,/\,\ensuremath{\mathsf{M}}\,/\,\ensuremath{\mathsf{L}}\,/\,\ensuremath{\mathsf{XL}}$
- Pin
- Carrying case

LINEUP BY APPLICATION



SPECIFICATION OF SCOPEYE



Optics Type Optics Tech Form Factor Resolution, Ratio FOV (diagonal) Connector Type Bionocular Light guide Detachable Visor / Top down optics 1080p (per eye), 16:9 >40° USB Type-C

SPECIFICATION OF TX & HUB

Input resolution compatible			Input terminal of SE-TX series	Input terminal of SE-HUB
640x480 1280x720 1680x1050	720x576 1280x960 1920x1080	1024x768 1280x1024	SE-TXD: DVI SE-TXC1: BNC SE-TXC2 / TXC3: DVI SE-P1: DVI x3 SE-P2: SDI x2, DVI x1	DVI, HDMI, SDI

MediThin

SCOPEYE[®]

The design of SCOPEYE harnesses the idea of comfort and functionality. Abandoning the typical halo head strep of other products, SCOPEYE employed a minimalist approach to the one-line headband that acts as a handle while giving way to easy wear for comfort at the operating table. SCOPEYE accommodates a wide range of lens shields that supports the critical function of the inner display. Depending on the operating room's ambient lighting, the darker the lens, the focus is narrowed to the display's essential operating information. From light, mid-range, to dark, the surgeon can use the shield lens according to each surgeon's preference and need with easy magnetic attachments that put the lens in its place. What's more, the intuitive and straightforward accessibility of the buttons on the top of the device allows for seamless use during the operation.

The device cable's enfolding onto the top of the one-line headband aligns to the overall simple design that avoids any distractions from its primary functions of a surgeon's goggle with a scope monitor. No more is it necessary for the surgeon to turn his/her head toward a monitor that stands at a third point in the operating room. SCOPEYE fits the head with comfort and ease with padded linings that run the device's length in full. For a surgeon, this easy-to-wear device will render extended operations easy and comfortable.

> Designed by **CDO DAMIAN KIM** IF, Red dot Winner Experiences at Samsung Design and Philips Electronics Professor, Industrial Design at Korean Arts University.

> > ENDOSCOPY FLUOROSCOPY MICROSCOPY ROBOTIC SURGERY ULTRASOUND

COMPATIBLE WITH A WIDE RANGE OF SURGICAL EQUIPMENT



MediThinQ Co., Ltd Suite 106, 35 Silicon Park, Pangyo-ro 255 beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, South Korea (13486) T +82 31 8041 1470 E info@medithinq.com W www.medithinq.com