

Surgical Operation Support System
Touchless Interface



www.aeroTAP.net

aeroTAP Touchless Solution Essential for advanced medical technology



aeroTAP is specifically designed for surgical operation support in the advanced medical technology field.

aeroTAP enables hands-free touch display or devices during an operation. It enhances hygienic and ability to access medical information swiftly.

- ✓Extremely hygienic
- ✓Effortlessly access medical information by showing the palm of the operator
- ✓No special hardware or programming required
- ✓Reduces surgical operation time

Touchless access to medical images

aeroTAP works with any existing medical application like DICOM Viewer and transforms to touchless application.

By copying DICOM data and 3D images (JPG, SWF) into special aeroTAP viewer, thumbnail selection will be available.



Touchless drawing and pointing

With aeroDRAW, surgeon will be able to point and highlight on the display during an endoscopic operation, and also make annotations swiftly and accurately.

As educational tool using dry box or simulator, you can also operate by mouse, not "touchless", and save edited images.



* This product is developed by nextEDGE technology in conjunction with University of Tsukuba Hospital.

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aeroTAP for accessing medical images

Pre-load medical images to the laptop (PC) with a webcam, you can use aeroTAP in the surgery room.

aeroTAP works with any existing medical application like DICOM Viewer, 3D computer model or surgical simulation software. Connect a webcam to the PC, and “touchless” navigation is now ready.

Contents of the kit

- aeroTAP Hybrid Touchless Interface
- aeroTAP DICOM thumbnail viewer kit
 - Viewer(JPG,SWF), data conversion software
- Web camera, connection cables
- Installation services (Optional)



aeroDRAW for endoscopic surgery support

With aeroDRAW, it enables hands-free drawing and area highlighting on the display during an endoscopic operation. It also makes annotations swiftly and accurately.

aeroDRAW can also display overlay of 3D organ images.
Useful for educational tool.
Changes made to images during an operation can be saved.

Contents of the kit

- aeroDRAW for endoscopic surgery support
- aeroCapture for capturing images
- External unit for video capture
- aeroTAP Hybrid Touchless Interface (Optional)
- Installation services (Optional)



System Requirement

- Microsoft Windows 7, 8 or 10
- Intel i3 or higher

The distance between the user and the display should be 3ft to 6ft.
Dedicated PC is required for endoscopic surgery support system.

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<<Contact Information>>

nextEDGE Technology K.K.
Tsukuba City, Ibaraki Japan
<http://www.nextEDGETech.com>