AUO Display+

Display Innovations Shaping Smart Healthcare

Kendra Wang

Assistant Vice President / AUO Display Plus

Date 2021.10.26

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Agenda

- About AUO Display Plus
- Pandemic Accelerating Smart Healthcare
- The Value Proposition of Display in Healthcare
  - Efficiency, Precision and Doctor-Patient Relationship

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AUO Display Plus Company Facts

AUO Display Plus, a wholly-owned subsidiary of AUO, offers a complete end-to-end display solution from R&D, to product development, sales and customer service.
Dedicated to industrial, commercial and medical

Established
January 2021

Business Scale
> US$1B

Products
General Display
Public Display
Integrated Solutions

Employees
350 worldwide

R&D
30% of workforce
90%+ Master's +

Operations
4 Regional Offices
7 Service Points

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Towards Display Everywhere 2.0 Era

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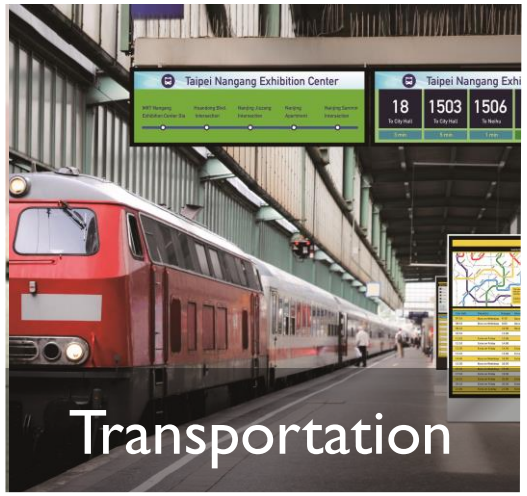
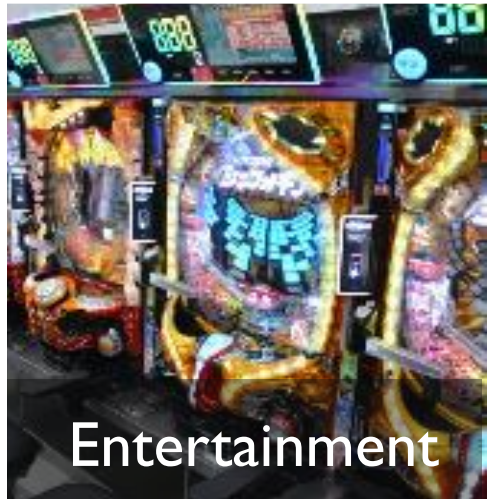
Advancing display product design and technology as the driving forces to accelerate digital transformation.





Comprehensive Medical Display & Sensor

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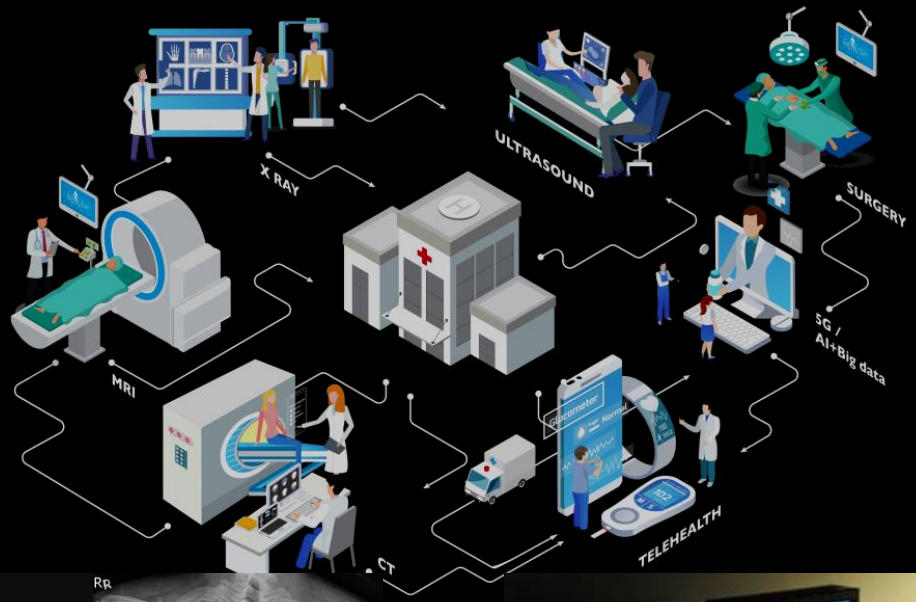
Worldwide market share

>25%

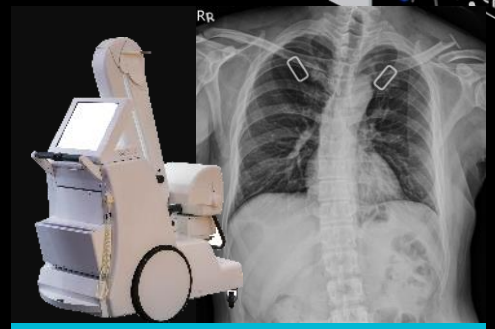
- Medical Professional Display
- X-Ray Sensor

Non-magnetic Touch Embedded Display



Endoscopy | Surgical

Ultrasound



Portable X-Ray sensor

Diagnostic

Patient Monitor

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The Pandemic Changes the World, but It has been Accelerating Digital Transformation
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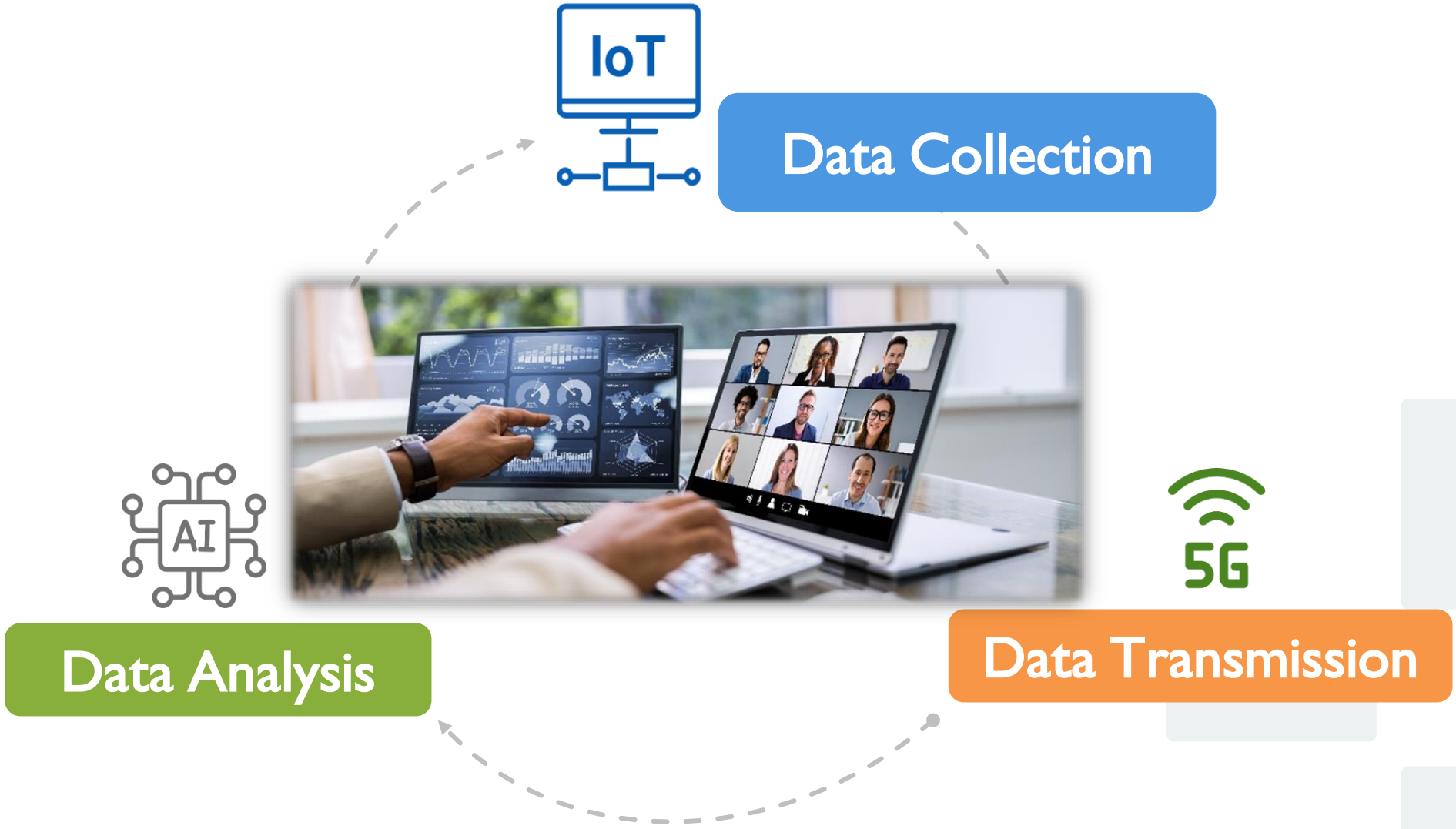
5G, AI and IoT Make Data Connected

but Display Makes People Connected



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Policy Changes for Telehealth

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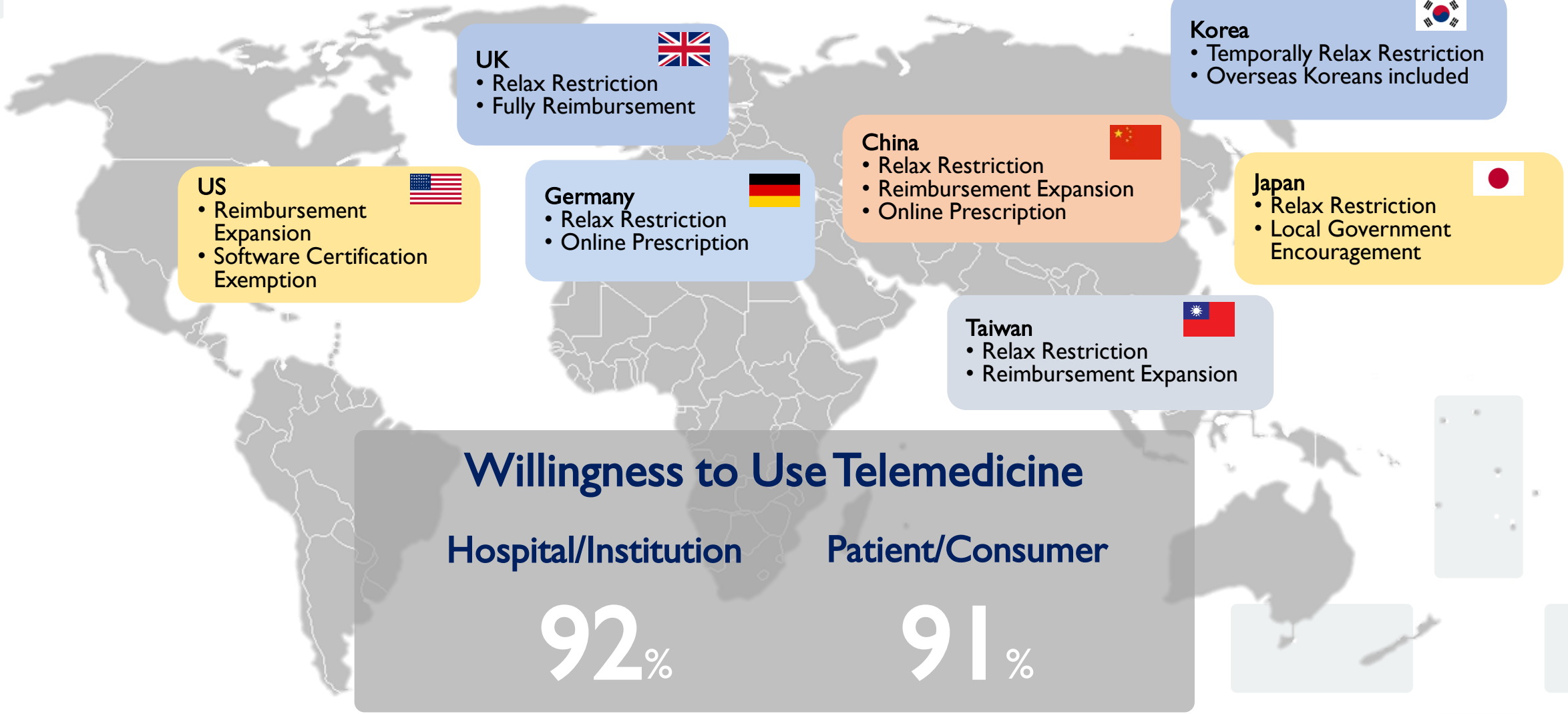

UK
- Relax Restriction
- Fully Reimbursement

Korea
- Temporally Relax Restriction
- Overseas Koreans included

US
- Reimbursement Expansion
- Software Certification Exemption

Germany
- Relax Restriction
- Online Prescription

China
- Relax Restriction
- Reimbursement Expansion
- Online Prescription

Japan
- Relax Restriction
- Local Government Encouragement

Taiwan
- Relax Restriction
- Reimbursement Expansion

Willingness to Use Telemedicine

Hospital/Institution	Patient/Consumer
92%	91%

Source: PwC, DLA PIPER, MIC, IEK, Digitimes

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Telehealth Segments

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01

Tele-monitoring

Early detection

- Vital sensor
- Portable device

02

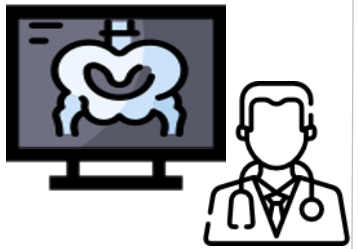
Tele-medicine

Breaking the limitation of time and space

- EMR voice system

* EMR(Electronic medical record)

03



Tele-radiology

Seamless service

- Precision image
- Data security

04

Tele-pathology

Digitalized management

- Precision image
- Big data & AI

05

Tele-consultation and Tele-mentoring

Efficient meeting and education

- High resolution display
- Video streaming

06

Tele-surgery

Reduce infection

- 5G
- Robotics Surgery

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Telehealth Segments

CAGR>10%

From 2017 to 2023

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01

Tele-monitoring

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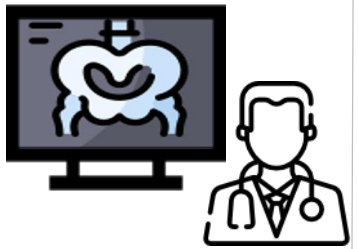

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Tele-radiology as a new service

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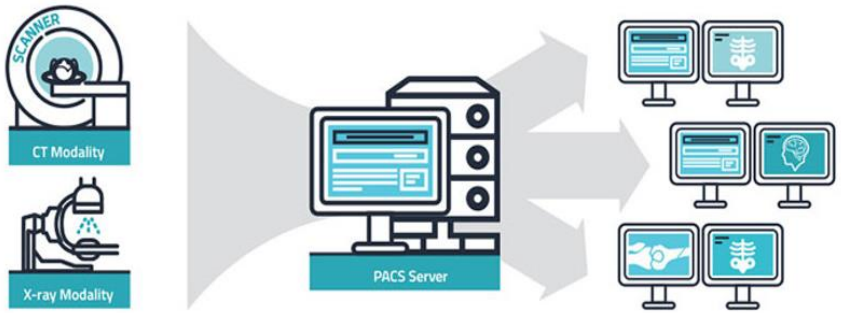
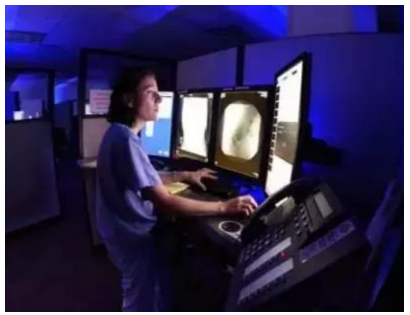
Before

- Image center in the hospital

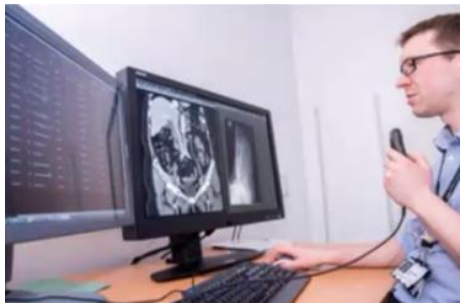




Source : Deutsches Ärzteblatt

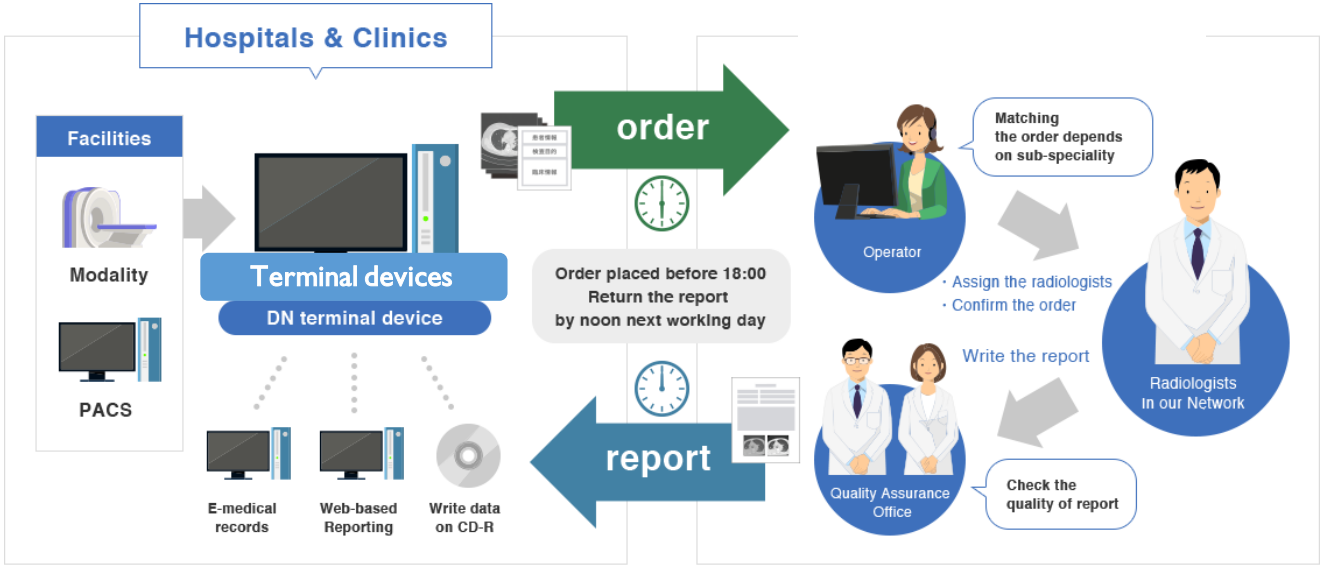
Now & Afterwards

- Point to point Tele-radiology responding to the epidemic



Source : FMUSP 巴西聖保羅大學附設醫院

- New business model & service are created in Tele-radiology



※Regular Service: Order Mon to Sat between 9:00 to 18:00

Source : DOCTOR NET
https://dr-net.co.jp/

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The Pain Point of Physicians using Display

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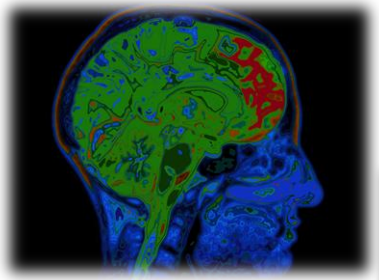
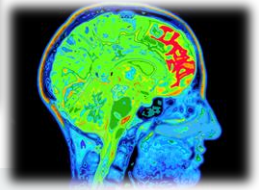
- Computer Vision Syndrome (C.V.S) should be improved to minimize the concern of new technology adoption.

8hr ↑
the average using time of diagnostics physician

Glare & Reflection issues

Dark environment





Color distortion

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Display Innovations: High Fidelity & Eye Comfort

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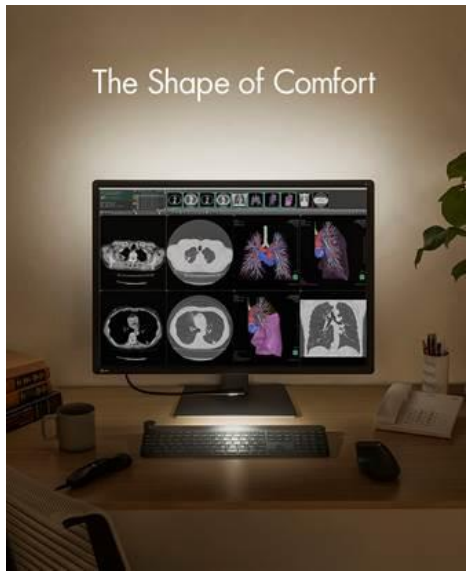
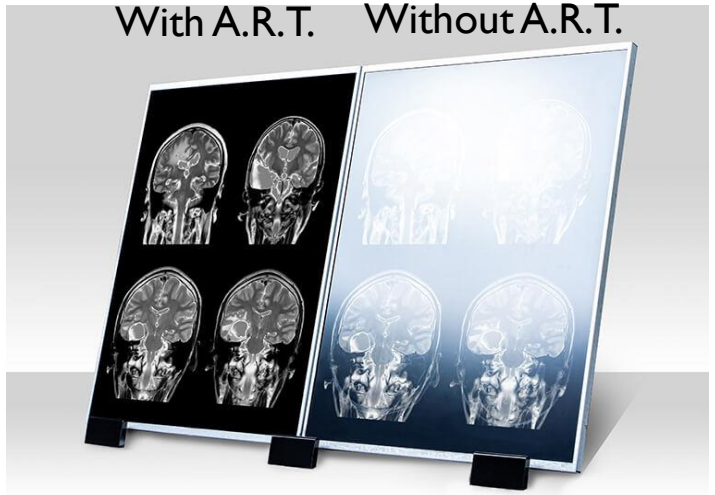


Source : EIZO

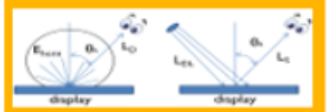
A light source is placed in the rear side of display, it can help to increase
the brightness of environment and does not affect the performance of the using experience.

- **AUO Display Plus provides Advanced Reflection-less Technology (A.R.T.)**

A.R.T. can provide a high fidelity display performance and reduce the burden of eyes.

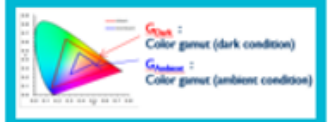


ACR
Ambient Contrast Ratio



① Contrast performance
② Realistic display

GKR
Gamut Keeping Ratio



① Color saturation
② Realistic display

Algorithm
Specially developed algorithm

Shoot and show on display without color difference

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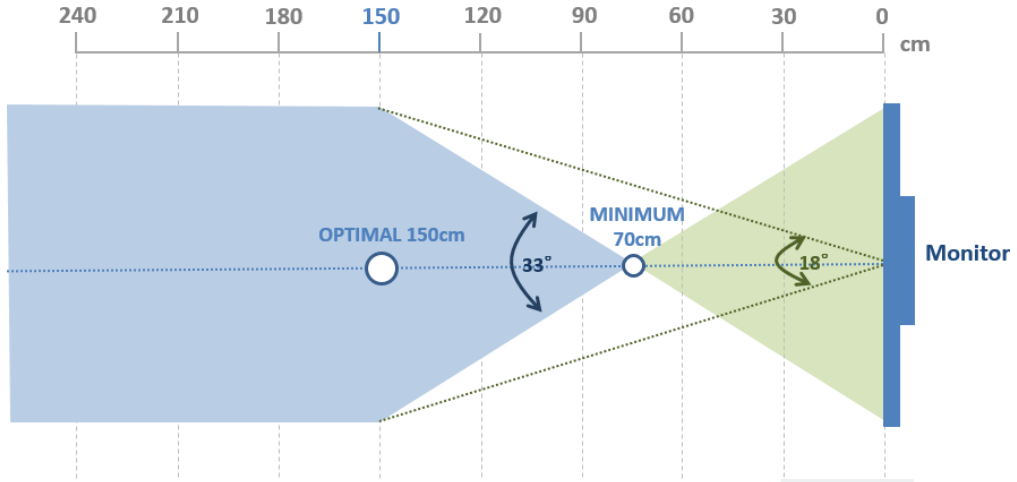
3D Surgery Solution

- 3D surgery solution realizes the migration of minimally invasion surgery.
- Best 3D monitor enhances the vertical viewing angle 20% than existing products.

Better 3D Image
ADP 3D Tech.

Current products



- Potential Field(small aperture endoscopy surgery)

Veterinary

Endoscopic skull base surgery

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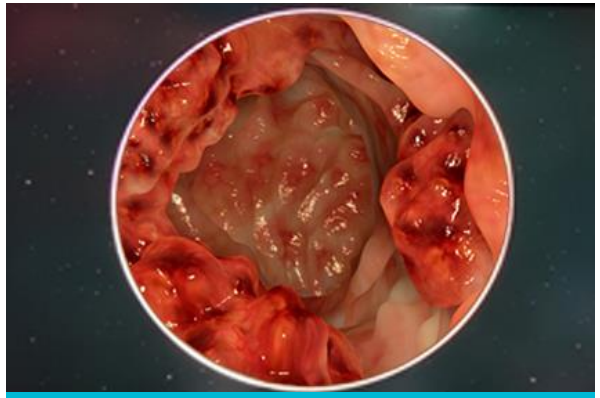
High Fidelity Surgical Display

- Valuable medical grade display with leading edge technology.
- High Resolution: 8K Display

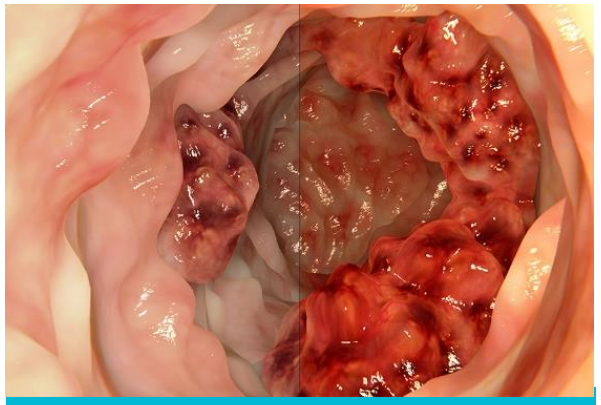
✓ Super High Contrast Ratio >1,000,000:1



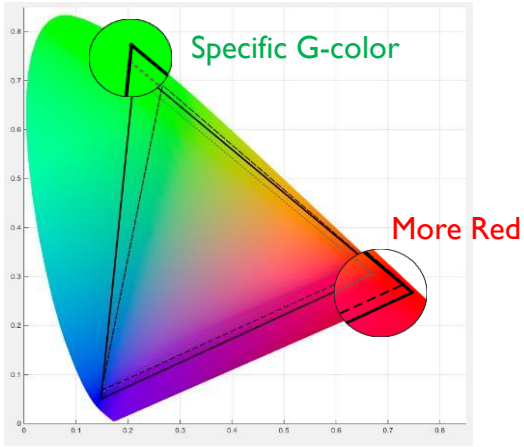
Current Display

Medical grade Mini-LED

✓ Wide color gamut: 150% sRGB coverage

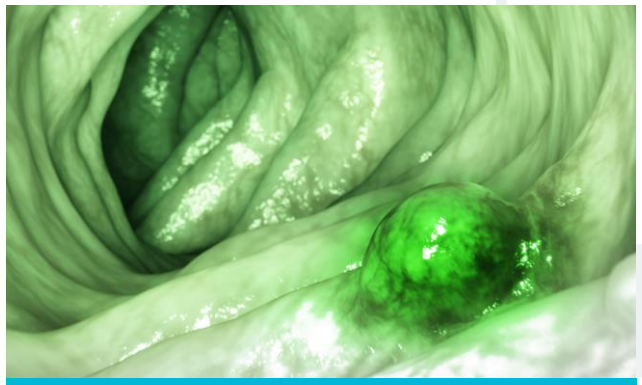


Conventional Deep Red



✓ Best Display Solution for FGS

Normal surgery mode



Fluorescence imaging mode (NIR)

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Creating High Value of Healthcare Service

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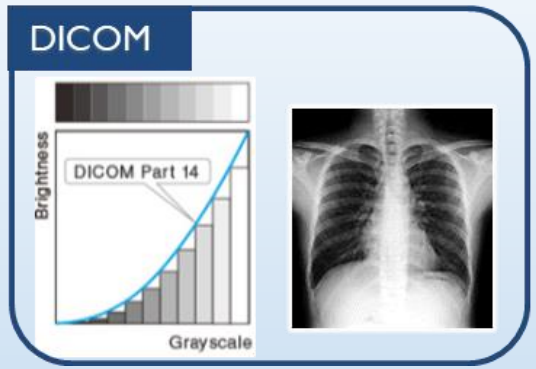
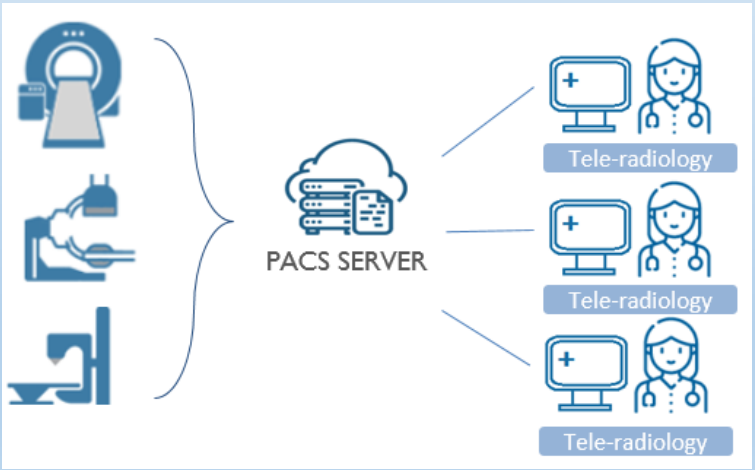
The Basic

Medical Monitor





Innovation Display provides

High Fidelity medical grade mini LED display

With diagnostic A.R.T. solution

Normal

Diagnosis display with A.R.T. technology

High Fidelity High-realistic

Software & Service by A.I.

Consulting

Medical information analysis

Pathological analysis

Telehealth

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Our Healthcare Solutions

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Pandemic Prevention

Control Room Solution
- Real-time data analysis
- Remote monitoring
- Early warning system
- Group management

Control Room

Efficiency

Doctor-Patient Relationship

International/VIP Ward
- Biometric
- AI Assistant
- A.R.T. Display
- Hyper-realistic Display

Precision

High-Fidelity Display

2D to 3D System

High-Fidelity Surgical Display Solution

High-Fidelity Diagnostic Display Solution

A.R.T.

Precision

Precision

3D Display

3D Medical Image Display Solution

AI Medical Consultation Solution

AI Assistant

Efficiency

Efficiency

Transparent Display

Comprehensive Surgical Solution
- Transparent interactive
- Virtual and real integration
- Surgical education
- Surgical navigation

Welcome Hall Solution
- Gesture interactive
- Navigation
- APP Integration
- Pandemic Detection

Doctor-Patient Relationship

Precision

X-Ray Detection Solution
- Sturdy film
- Big size and high refresh rate
- Lightweight design
- Precision diagnosis

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Ecosystem Partnership

Strive for mutually beneficial partnerships

Extend the value chain for smart display applications

Accelerate smart ecosystems across retail, education, transportation, and healthcare domains

Complement
Collaborate
Co-Create

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Kendra Wang

Kendra.Wang@auodplus.com

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