V3.2.0 Device App Usability Updates

High Level Overview of Changes

OXOS

Goal for Effort

Make changes to the device app that <u>addresses usability feedback</u> from users, Sales, and Marketing <u>stays feasible</u> with Software's tight schedule

Side goal: Update to match branding

OXOS

Old Exam Setup

→ Poor use of space for data entry elements

→ Element labels unclear or misleading

→ Branding updates needed

Old

OXOS® Medical

Unknown User
OPERATOR

Mocked MWL server

Search

NAME	DOB	ID
Ethan Russ	08/08/1978	OXOS2546
Martha Adams	07/14/1962	OXOS9875
Anna Smith	11/27/1994	OXOS0369
Jeremy Michaels	12/08/1989	OXOS9922
Kinsey Lee	09/29/2002	OXOS4046
Irene Garcia	08/08/1978	OXOS9345

Next patient

First Name *

Last Name *

Identifier

DOB

Laterality

Orientation

Body Part

Description

CLEAR

START

EMERGENCY MODE

PREVIOUS STUDIES

Patient
8157366a-2328-410e-a94b-21178d8ae6e0

Device Mode

SINGLE

Image Storage
0

New

OXOS® Medical

Unknown User
OPERATOR

Dana Samuel
PROVIDER

Mocked MWL server

Search

ACCESSION #	NAME	DOB	ID
5699784492	Ethan Russ	08/08/1978	OXOS2546
5699784493	Martha Adams	07/14/1962	OXOS9875
5699784495	Anna Smith	11/27/1994	OXOS0369
5699784496	Jeremy Michaels	12/08/1989	OXOS9922
5699784497	Kinsey Lee	09/29/2002	OXOS4046
5699784499	Irene Garcia	08/24/1978	OXOS9345
5699784500	Ben Brown	01/05/1999	OXOS7736

Next patient

First Name *
Ethan

Last Name *
Russ

Identifier *
OXOS2546

DOB
08/08/1975

Laterality
Left

Orientation
AP

Body Part
Finger

Description / Notes
X-ray of left finger

CLEAR

START EXAM

START EMERGENCY EXAM

Previous Studies

Patient
8157366a-2328-410e-a94b-21178d8ae6e0

Device Mode

PHOTO

Remaining Storage
3,000

Old
Side Menus

→ Entry points for settings are out-of-place

→ Names are inconsistent with content

→ Shut down button is hidden

→ Branding updates are needed

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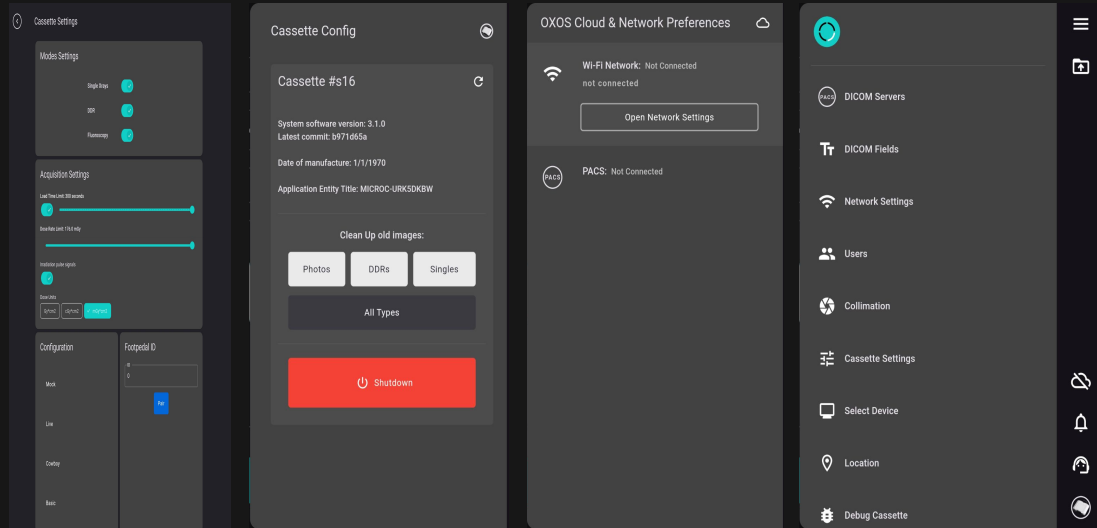
Old

Cassette Config

Cassette #s16

System software version: 3.1.0
Latest commit: b971d65a

Date of manufacture: 1/1/1970

Application Entity Title: MICROC-URK5DKBW

Clean Up old images:

Photos   DDRs   Singles

All Types

⏻ Shutdown

OXOS Cloud & Network Preferences

Wi-Fi Network: Not Connected

not connected

Open Network Settings

PACS: Not Connected

DICOM Servers

DICOM Fields

Network Settings

Users

Collimation

Cassette Settings

Select Device

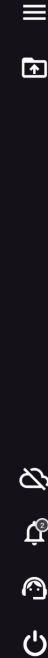Location

Debug Cassette

New

OXOS Cloud & Network Preferences

Wi-Fi Network: Not Connected

not connected

Open Network Settings

PACS: Not Connected

Configure DICOM Servers

Device Settings

DICOM Fields

Users
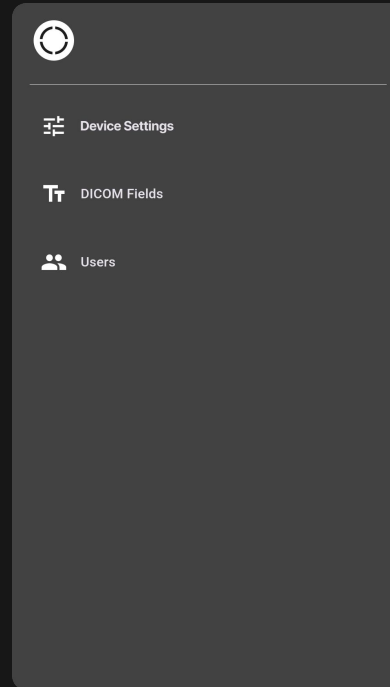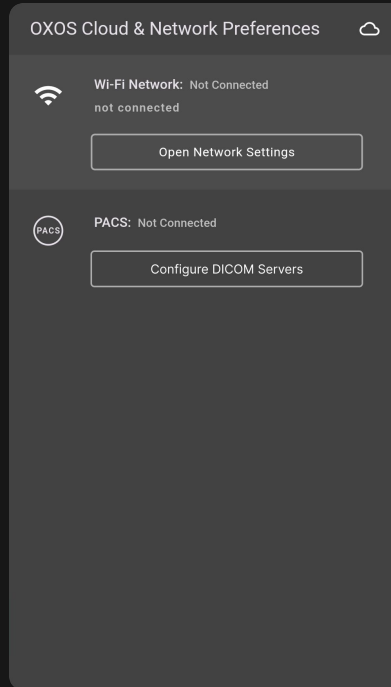
Shutdown button only
(after confirmation)

Old

OXOS® Medical

Modes Settings

Single Xrays ✓

DDR ✓

Fluoroscopy ✓

Acquisition Settings

Load Time Limit: 300 seconds

✓ ————————————————————

Dose Rate Limit: 176.0 mGy

————————————————————

Irradiation pulse signals

✓

Dose Units

Gy*cm2 | cGy*cm2 | ✓ mGy*cm2

Configuration

Mock

Live

Cowboy

Basic

Footpedal ID

ID
0

Pair

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New

Acquisition Settings

Load Time Limit

0 ———————————●——— 300 | 250 | sec

Dose Rate Limit

0 ————————●———————— 176 | 100 | mGy

Irradiation Pulse Signals

Dose Area Product (DAP) Units

| Gy·cm² | cGy·cm² | mGy·cm² | µGy·m² |

Delete Stored:

| Photos | Series | Singles |

All Types

Footpedal ID

ID
0

Pair

Cassette Config

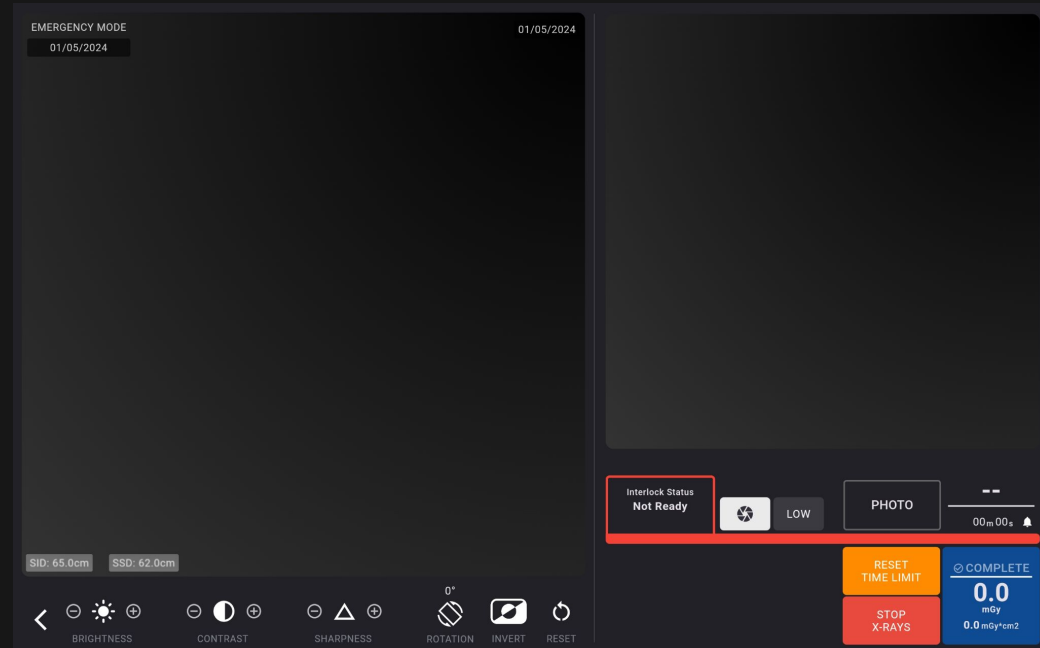Cassette #s16   ⟳

System software version: 3.1.0
Latest commit: b971d65a

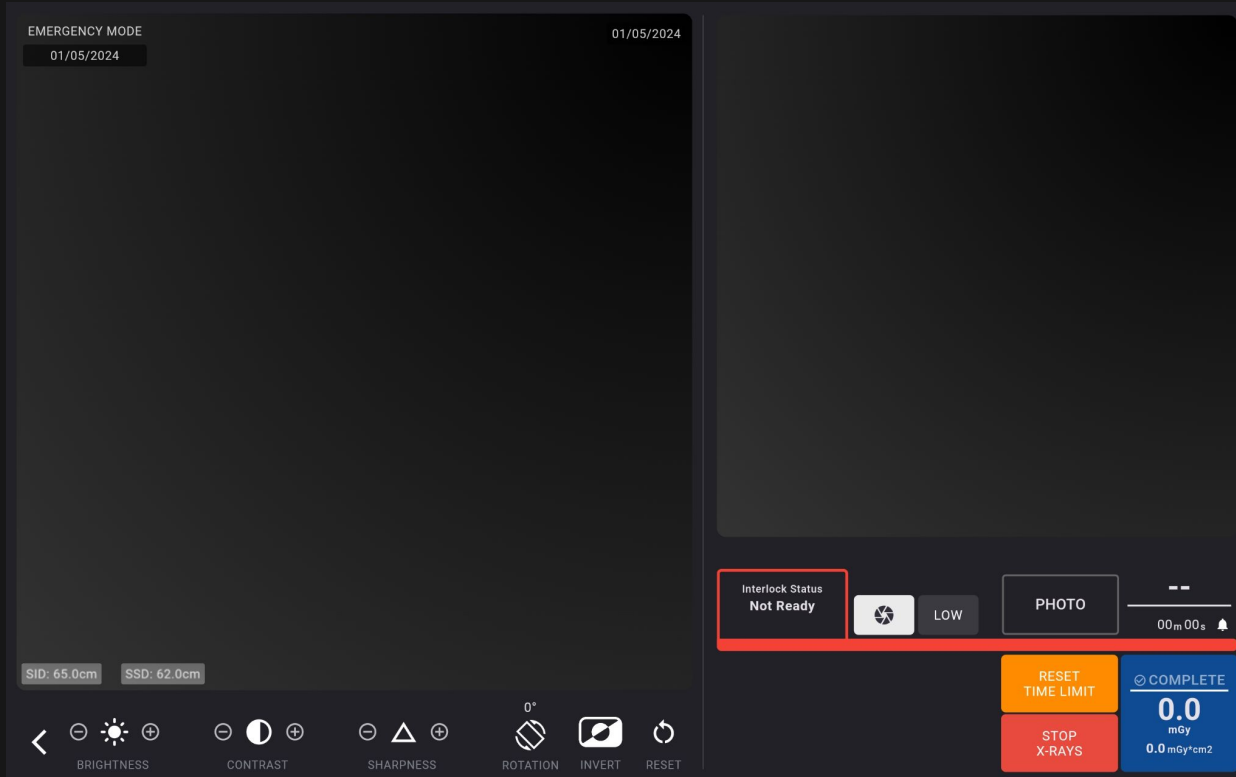Date of manufacture: 1/1/1970

Application Entity Title: MICROC-URK5DKBW

Old Acquisition Page

→ Complete Button is not clear

→ Names and labels are confusing

→ Controls and Indicators are too small

→ SID and SSD are too small, over old images

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Old

EMERGENCY MODE

01/05/2024

01/05/2024

SID: 65.0cm   SSD: 62.0cm

BRIGHTNESS   CONTRAST   SHARPNESS   0°
ROTATION   INVERT   RESET

Interlock Status
Not Ready

LOW

PHOTO

--

00m 00s

RESET
TIME LIMIT

STOP
X-RAYS

⊘ COMPLETE
0.0
mGy
0.0 mGy*cm2

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New

EMERGENCY MODE

01/05/2024

01/05/2024

Live

Ready

Live Dose Rate: — —   SSD: **26.8 cm**   SID: **41.8 cm**

Stored

DISABLE
X-RAYS

RESET
TIMER

225s

AUTO
COLLIMATION

LOW DOSE

FLUORO
MODE

Total Dose:
36.774
mGy

Total DAP: **2541.991**
mGy·cm²

Total
Exposure Time: **225**
sec

COMPLETE

BRIGHTNESS   CONTRAST   SHARPNESS   0°
ROTATION   INVERT   RESET

Appendix

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