Green ON SPEC

Item	Green ON 1417	Green ON 1717
Dimension	CsI / GOS	
Pixel Pitch	127 / 140 µm	
Pixel Matrix	127 : 3328 x 2816 140 : 2500 x 3052	127 : 3328 x 3328 140 : 3072 x 3072
Image Area	127 : 422.7 x 357.6 140 : 350.0 x 427.3	127 : 422.7 x 422.7 140 : 430.1 x 430.1
A/D Conversion	14 / 16 bit	
Energy Range	40-150 kVp	
Preview Time	≤ 2 sec	
Pressure	Distributed : 300 kg / Point : 150 kg	
Data Interface	GigE 802.11a/g/n/ac wireless LAN	
Dimension	460 x 384 x 15 mm	460 x 460 x 15 mm
Weight	3 kg	3.5 kg
Battery Operating Time	4.5 hours	

DOSE GRADE

Green ON provides excellent images even in a lower dose section than general detectors under the condition
(Condition : SID = 43 inch, 70 kVp)

[Comparison of standard irradiation volume of Abdomen Phantom: Normal Detector vs Green ON Detector]

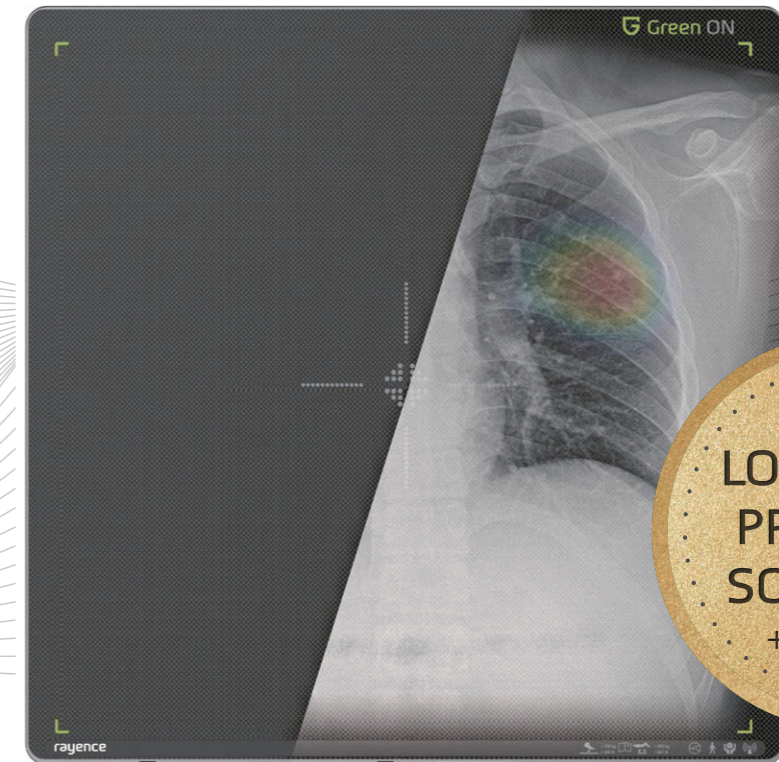| mAs	Patient Dose *Unit : µGy	Normal Version	Green ON Version	
22	870.8			Over Exposure
20	789.2			
18	710.2			
16	628.5			
14	547.5			
12.5	487.6			Acceptable
10	385.3			
9	345.5			
7.1	269.6			
6.3	237.7			
5	185.5			Under Exprosue
4	145.2			
2.8	98.5			

* High DQE and Excellent SNR = Improved Sensitivity at low dose

Green ON
LOW DOSE DETECTOR

LOW DOSE PREMIUM SOLUTION
+AI Solution

· **High SNR** · **DQE Upgrade** · **IP 66** (Waterproof & Dustproof Class)
· **Storage : More than 1,600 X-ray Images** · **Room Sharing Functionality** · **Auto Trigger**

SYSTEM REQUIREMENTS OF Xmaru Pro

Minimum Specification of PC	Recommended Specification of PC
CPU : Intel ® Core a™ i5(4th Gen) or higher	CPU : Intel ® Core a™ i7(4th Gen) or higher
Main Memory (RAM) 16 GB or higher	Main Memory (RAM) 16 GB or higher
Graphic Card : GPU VRAM 8 GB	Graphic Card : GPU VRAM 8 GB
Monitor Resolution : 1920 x 1080	Monitor Resolution : 1920 x 1080

Improved reading accuracy with intelligent image analysis

Smart Diagnostic Support

Clear X-ray image quality

Grid ON by Anti Scatter Algorithm

Device compatibility suitable for medical environment
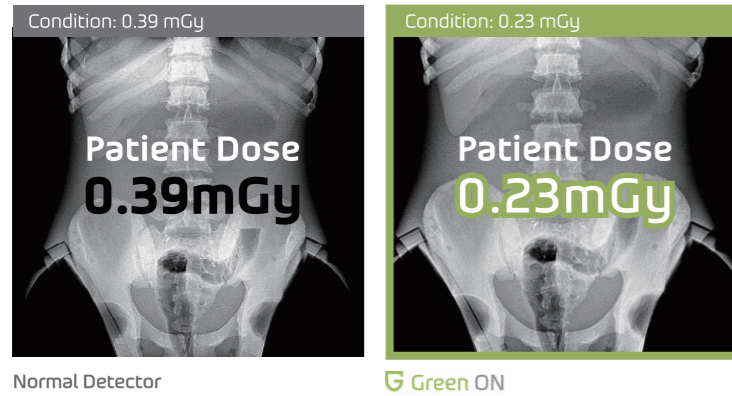
Easy Drive & Easy Sync

Xmaru Pro
AI IN X-RAY IMAGING

High-speed detector capable of low-dose images

The next generation low-dose wireless detector developed by Rayence offers the same level of image quality at 40% lower doses than conventional products.
The reading accuracy of medical staff is enhanced while the patients' exposure to the radiation is reduced.
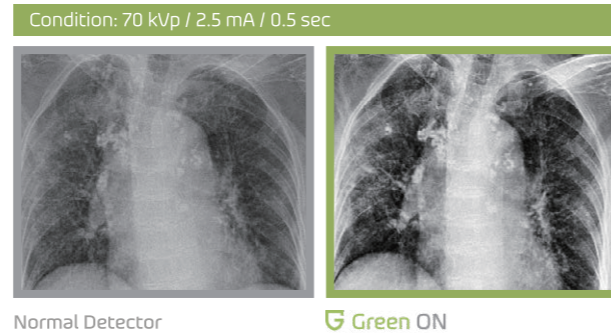
Condition: 0.39 mGy

Patient Dose
0.39mGy

Normal Detector

Condition: 0.23 mGy

Patient Dose
0.23mGy

Green ON

Patient Dose
40% Reduction

Less dose,
better image

Guaranteed accurate diagnosis with the premium detector's clear images

Green ON provides 80% DQE (Detective Quantum Efficiency) enabling clear images even with low doses.

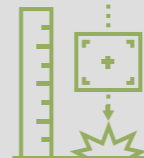Condition: 70 kVp / 2.5 mA / 0.5 sec

Normal Detector

Green ON

Design considering user convenience : User-friendly detector

It is designed to protect sensors from dirt and contamination caused by frequent use, and boasts robust durability against external shocks and vibrations.
More than 1,600 X-ray images can be stored (*1,300 images in case of Green ON 1717), making it easy for mobile shooting.
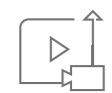
IP66

IP 66 (Waterproof & Dustproof Class)	Drop Test	Easy Drive

Features of Green ON

Clear X-ray image quality even at low doses	Ergonomic Product Design	Lightweight & High-speed Images
300kg Robust Durability	OLED Intuitive OLED	IP66 IP 66 (Waterproof and Dustproof)

Xmaru Pro with AI

AI-based Auxiliary Diagnosis Solution for chest X-rays

· It reads the chest X-ray images and automatically provides findings for major lesions, improving diagnostic efficiency and accuracy.

· It helps medical staffs to make fast and accurate decisions based on the X-ray results.
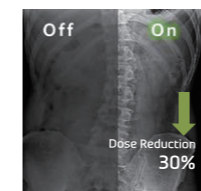
A skillful image-reading assistance by learning major abnormal findings mainly observed in the chest X-ray images

Interstitial shading

Nodules

Hardening

Pneum-othorax

Pleural effusion

Analysis within 3 seconds

Normal · Abnormal at opinions

Lung Disease Care Assistant

It analyzes and provides information on the 5 main findings whether they are normal or abnormal.
It then combines the findings to assist in the treatment of major lung diseases such as lung cancer, tuberculosis and pneumonia.
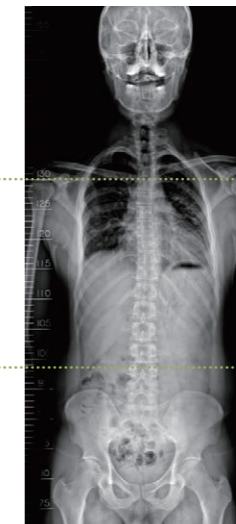
Premium Image Processing

Grid ON

Off   On

Dose Reduction 30%

Rayence' new algorithm
· No scattered rays without Grid
· Lower dose by 30% compared to the Grid-method
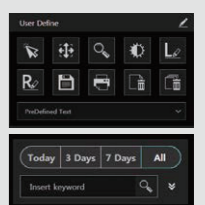· Same effect as with Grid in no grid-mobile environment

HDR (High Dynamic Range)

Contrast range has been improved so that the thin and thick areas of the X-ray image can be accurately read

Auto Stitching

Automatic merging of up to 4 X-ray images

UI Upgrade for Ease of Use

Less Step

Quick Search
Favorites
Auto Retake
Multi Study

4K Ultra HD