

Technical Specifications



Products	RAYIN	RAYIN MAX
Mechanical Dimensions (mm)	25.0 × 38.5 × 4.5	31.0 × 45.0 × 4.5
Active Area (mm ²)	20 × 30	26 × 36
Pixel Matrix	(1.5 M) 1000 × 1500	(2.34 M) 1300 × 1800
Data Interface	Direct USB, USB 2.0	Direct USB, USB 2.0
Sensor Technology	APS CMOS	APS CMOS
Scintillator	Directly deposited CsI:Tl	Directly deposited CsI:Tl
Length of Cable (m)	Standard 3m / Option 5m	Standard 3m / Option 5m
Pixel Pitch (μm)	20	20
Line Pair Resolution((lp/mm)	25	25
Gray Level	16 bit	16 bit
Exposure Mode	Smart AED	Smart AED
Ingress Protection	IP68 for Soak disinfection	IP68 for Soak disinfection
Additional	Support TWAIN protocol	Support TWAIN protocol
Operation System	Windows 7 and above, 32 / 64 bit	Windows 7 and above, 32 / 64 bit

WOSON MEDICAL INSTRUMENT CO., LTD.

Add: NO.25, Lane 300, Jinshan Road, Jiangbei District, Ningbo 315032, China
 Tel: 86-574-8302 2668 Fax: 86-574- 8763 9376
 E-mail: overseas@woson.com.cn Web: www.wosongroup.com



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RAYIN

INTRAORAL X-RAY SENSOR



2022/23
Product Brochure

Willing to Smile



For more information, please visit our website:

www.wosongroup.com

RAYIN
INTRAORAL X-RAY SENSOR

Excellent Reliability Provide Ultimate Patient Comfort

The digital sensor uses CMOS technology to provide high-resolution, diagnostic quality images with wide latitude sharpness, clear sharpness and enhanced contrast. Whether you are converting to digitalization for the first time or expand existing functions, and we can all help you.

Cleanability

IP68

For more information,
please visit our website:

www.wosongroup.com



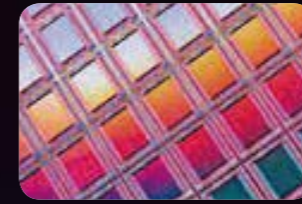
Worldwide, the sales volume of WOSON
medical products has exceeded

100,000

Ideal for professional dental clinics



Circuit Board



CMOS Sensor



CsI Needles



Cleanability

Designed for High Reliability

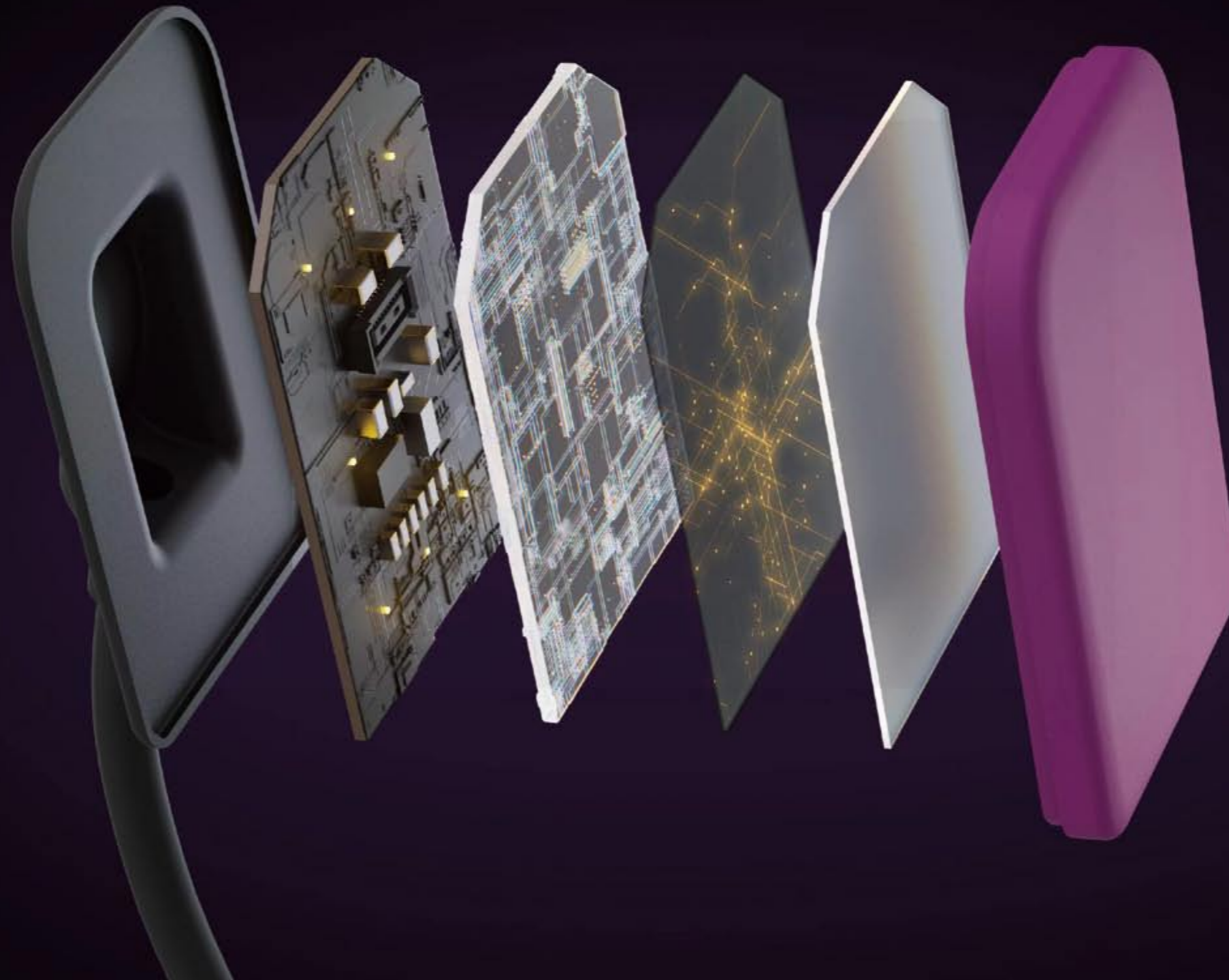
Reinforced cord connection
> 80,000 bending test ($\pm 90^\circ$)
passed

Encapsulation Layer

Protects scintillator

Rounded Edges

Improved patient comfort



Hybrid ICs on Circuit Board

Low noise integrated circuit design

APS CMOS Image Sensor

Low noise CMOS image sensors
In-house design and process

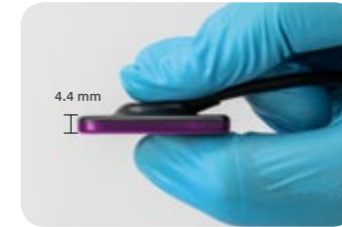
CsI Scintillator

Directly deposited CsI
Low Dose (LD) and
High Resolution (HR) options

Robust and Safety Design

Biocompatible
IP68 protection
Easy infection control

Durable Efficient Better Comfort



Ultra-thin:

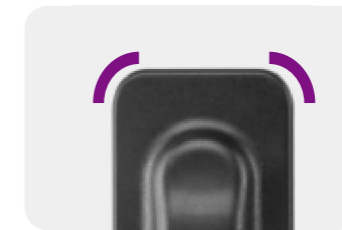
4.4 mm digital sensor

High Resolution (HR) or Low Dose (LD) Scintillator Option



Fitting Finger Radian Design

More humanized, more caring for the use feelings of medical staff



Comfortable:

Rounded corners and edges for improved patient experience



2 Sizes:

#1 universal, #2 adult



Plug and Play:

Direct USB plug and play connection for real-time image display

Emage Software

The software provides length measurement, size zoom, archiving and "one-click image processing". Diagnosis assistance, mail forwarding, drawing and report transmission can convenient communication between doctors and patients.

