

NanoPix-M

NanoPix-M 1 | NanoPix-M 1.5 | NanoPix-M 2



POSITIONING EXPOSURE
BEYOND AI

Integrated M-TECH High-Precision Sensor Chip



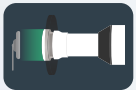
·Precise Positioning, Single-Shot Capture

Real-time feedback on sensor position enables accurate intraoral exposure, achieving a 99.8% success rate.



·Smart Angle Feedback, No Holder Needed

Real-time angle value display, with auto-lock on the optimal exposure angle to eliminate imaging distortion.



·Distance Monitoring, Avoid Underexposure

Continuously monitors the distance between the sensor and X-ray to prevent over far exposure distance.



Exposure Steps:



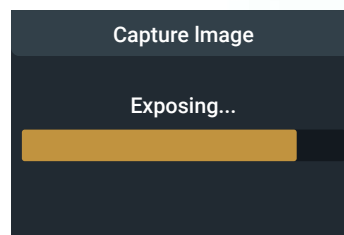
1. Adjust Imaging Distance



2. Center X-ray on Sensor



3. Adjust Angle to Vertical



4. Expose and Capture



5. Imaging

*The above features compatible only with Eighteenth HyperLight-M.

*Source: Internal Study

AI-Powered, Efficient Diagnosis

- Built-in Powerful NanoAI Functionality
- One-click AI Detection of 4 Structures, 10 Diseases, and Tooth Position.
- Your Patient Education & Conversion Tool

Case Acceptance

27%
↑

Source: Internal Study

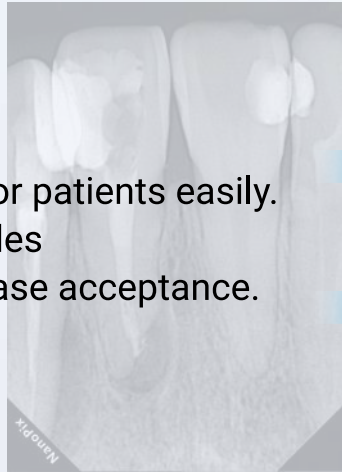
Conduct education & counseling for patients easily.
Downloadable reports with QR codes
for patient access. Boost patient case acceptance.

Clinic Revenue

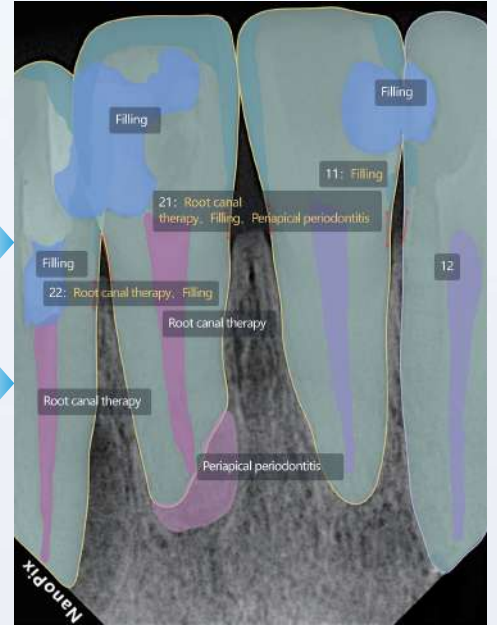
35%
↑

Source: Internal Study

Without Nano AI



With Nano AI



Improve diagnostic speed, ultimately increasing clinic operation efficiency & revenue.



Scan and learn more about Nano AI



NanoPix -M



EFFICIENT

Stable AED Technology,
Efficient Imaging and Diagnosis

- 6-second ultra-fast imaging,
instant capture.
- Automatic exposure detection,
compatible with common AC and DC
X-ray machines.

PRECISE

High Sensitivity APS CMOS
Sensor, Precise Imaging

- Easily capture low-noise,
high-resolution images for more
precise diagnosis.
- Low power consumption and
long lifespan.

SAFE

Cesium Iodide Vapor
Deposition Technology,
Protecting Clinicians' Health

- Capture high-definition images
at low doses, reducing exposure time
requirements for safer imaging.

CLARITY

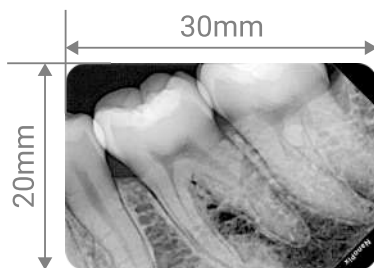
25lp/mm
(theoretical) Resolution

- Paired with 20 μ m pixel for
detailed image performance.

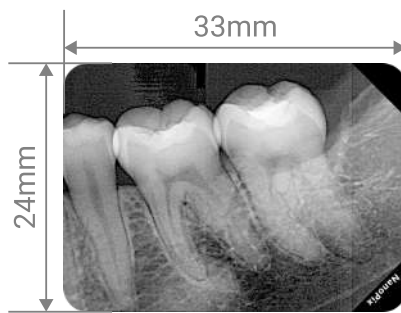
NanoPix-M1

THREE "GOLDEN RATIO" SENSOR SIZES

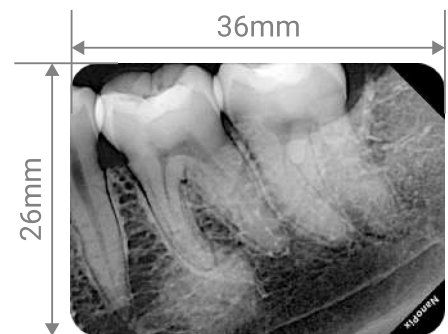
Meets a variety of clinical needs



NanoPix-M 1



NanoPix-M 1.5



NanoPix-M 2

4.4MM ULTRA-THIN DESIGN

Significantly reduces patient discomfort of foreign objects in the mouth.



INTEGRATED STREAMLINED ROUNDED CORNERS DESIGN

Integrated Streamlined Arc Design. Contours to the finger's arc for easier positioning.

Rounded corners enhance patient comfort.



70,000+ Cable Bend Lifecycle Test

50,000+ Exposures without Loss of Output

**NO
CONSUMABLE SUPPLIES
REQUIRED**

	NanoPix-M 1	NanoPix-M 1.5	NanoPix-M 2
Technology	APS CMOS	APS CMOS	APS CMOS
Scintillator	CsI	CsI	CsI
Pixel Matrix	1000 x 1500	1200 x 1650	1000 x 1500
Pixel Size	20μm	20μm	20μm
Theoretical Resolution	25lp/mm	25lp/mm	25lp/mm
True Resolution	≥12lp/mm	≥12lp/mm	≥12lp/mm
Active Area(mm²)	20 x 30	24 x 33	26 x 36
Mechanical Size(mm)	25×38.5	29×43.5	31.6×45
Thickness(mm)	4.4	4.4	4.4
AD Conversion(bit)	≥16bit	≥16bit	≥16bit
Data Interface	USB2.0	USB2.0	USB2.0
Cable Length	3m	3m	3m
Protection	IP68	IP68	IP68



SPECIFICATION