

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:



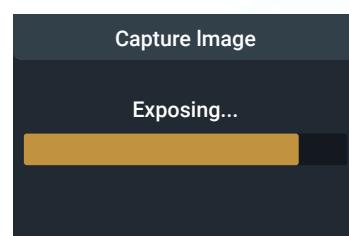
1. Adjust Imaging Distance



2. Center X-ray on Sensor



3. Adjust Angle to Vertical



4. Expose and Capture



5. Imaging

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

*Source: Internal Study

AI-Powered, Efficient Diagnosis

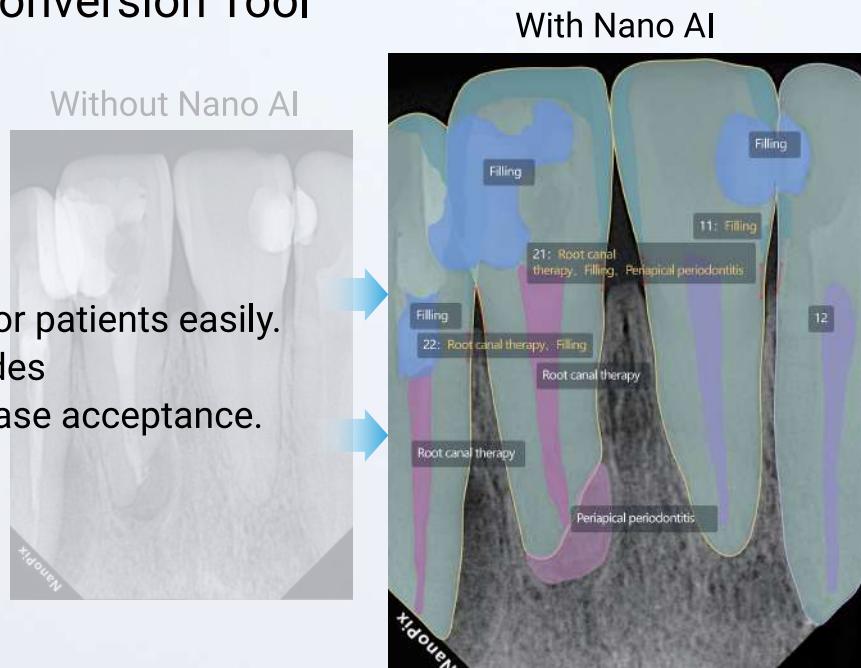
- Built-in Powerful NanoAI Functionality
- One-click AI Detection of 4 Structures, 10 Diseases, and Tooth Position.
- Your Patient Education & Conversion Tool



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



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

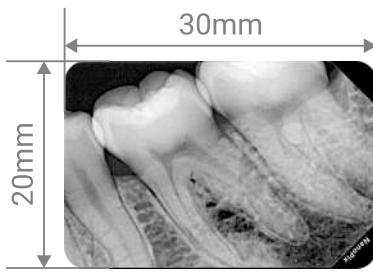
25lp/mm
(theoretical) Resolution

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

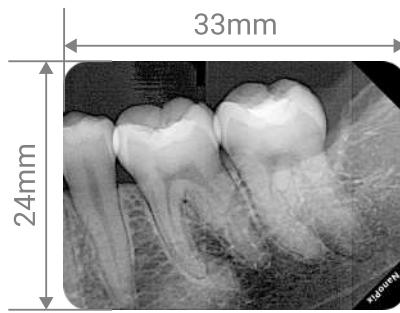
NanoPix-M1

THREE "GOLDEN RATIO" SENSOR SIZES

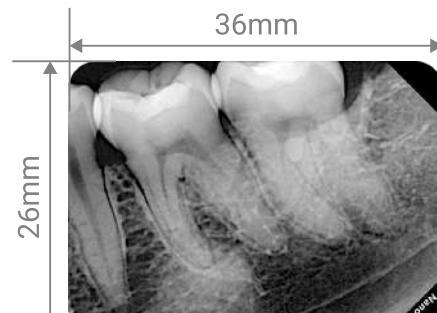
Meets a variety of clinical needs



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	20 μ m	20 μ m	20 μ m
Theoretical Resolution	25lp/mm	25lp/mm	25lp/mm
True Resolution	\geq 12lp/mm	\geq 12lp/mm	\geq 12lp/mm
Active Area(mm ²)	20 x 30	24 x 33	26 x 36
Mechanical Size(mm)	25x38.5	29x43.5	31.6x45
Thickness(mm)	4.4	4.4	4.4
AD Conversion(bit)	\geq 16bit	\geq 16bit	\geq 16bit
Data Interface	USB2.0	USB2.0	USB2.0
Cable Length	3m	3m	3m
Protection	IP68	IP68	IP68

SPECIFICATION

