

# HyperLight-M

The World's First Portable X-Ray with Sensor Positioning



HyperLight-M - Powered by Exclusive M-TECH

# Only 1 Shot Perfection with X-rays Image in Just 10s !

- ⊗ No Need for Retakes
- ⊗ No Need Sensor Holder
- ⊗ No Need to Fear Excessive Radiation
- ⊗ No Need of Wasted Time



Only you need is

# HYPERLIGHT-M

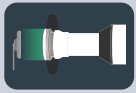
# What is M-TECH?

## The Next Generation of Dental X-ray Solutions



### M-TECH Dual-Axis Alignment Positioning

Centered, and calibrated at the optimal shooting angles.



### M-TECH Micro-Distance Sensing Monitoring

High-sensitivity micro-distance sensing technology monitors real-time positioning.



### M-TECH Smart Angle Monitoring

Self-adaptive angle function automatically adjusts and locks the angle for patient upright and non-upright postures.



1 Exposure Success Rate up to **99.8 %**

You can see the intuitive visual guidance with real-time UI display for distance, position, and angle adjustments, achieving a remarkable 99.8% success for each imaging.

\*Source: Internal Study

# How to use M-TECH?



HyperLight-M

or



Eighteenth NanoPix



M-TECH Cover  
( Available to buy from Eighteenth )

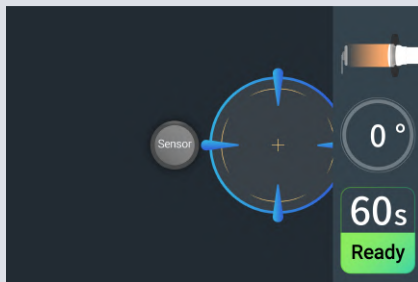


HyperLight-M

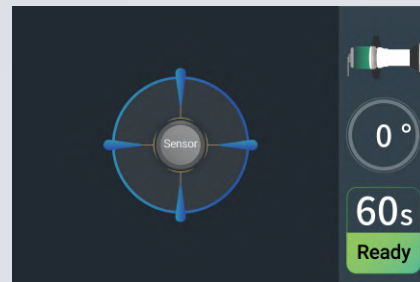


NanoPix-M (Coming soon)

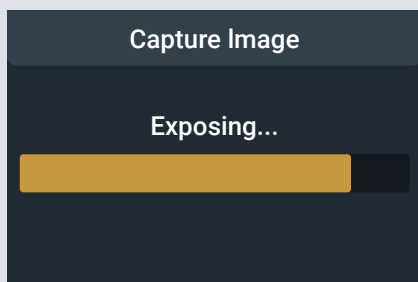
## Exposure Steps



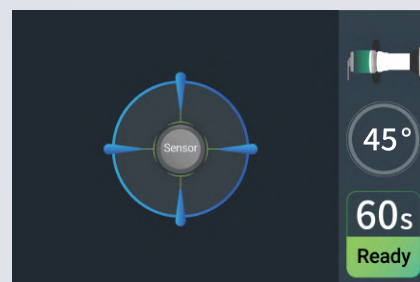
1. Adjust Imaging Distance



2. Center X-ray on Sensor



4. Expose and Capture



3. Adjust Angle to Vertical

\*Eighteenth offers customized M-TECH Cover for other brand sensors, please consult your local distributor for details.



# More Features



**80000+** Stable Exposures

**Precision High-Frequency X-Ray Tube, Crisp Imaging**

Refined tube manufacturing process ensures stable X-ray output.

**70** Kv Tube Voltage **3** mA Tube Current

**Highly Efficient and Stable**

Constant high-frequency high voltage and current output, ensuring X-ray output is unaffected by power fluctuations.

**0.4** mm Focal Spot

**High-Resolution Image**

Provides clear, precise images for various diagnostic needs, revealing every dental detail.



Large Focal Spot

Small Focal Spot



## 4-Layer Lead Shielding

The tank is equipped with 4 layers of 99.99% high-purity lead shielding, significantly reducing X-ray leakage.



## Diverse Imaging, One Machine Fulfills All

Three Shooting Modes: Sensor, Film, Phosphor Plate.



## Specification Parameter:

Model	HyperLight-M	Exposure Time Range (Sec)	0.02-2Sec
Tube Voltage (Kv)	70Kv	Battery	2500mAh*4
Tube Current (mA)	3mA	Gross weight (kg)	2.10kg (No Shielding Panel Included)
Focal Spot (mm)	0.4mm	Voltage, Frequency	100V-240V50Hz/60Hz

\*The HyperLight-M can be configured with radiation shielding panels. Please select whether to include them as standard based on local regulatory requirements.