



# Cygnus X

## Digital Microscope

Beyond the Eyepiece Into the Future

# A New Era of Clinical Visualization

Step into a new era of precision & comfort with CYGNUS X, the revolutionary eyepiece-free dental microscope that transforms how dentists see, diagnose & perform.

By merging 4K Ultra HD imaging, digital optics & a dual-visualization system, CYGNUS X liberates you from the constraints of traditional optics.

See your work with unprecedented clarity — whether through a high-definition display or AR glasses that bring your field of vision directly before your eyes.

CYGNUS X — Clear Vision. Meticulous Attention. Total Freedom.



## Why CYGNUS X?



CYGNUS X is designed for modern clinical environments where precision, efficiency, and ergonomics matter.

It brings together:

- A hybrid digital-optical system for unmatched clarity
- 4K / HD digital imaging for documentation, teaching, and real-time presentation
- Eyepiece-free ergonomics for a healthier workflow
- A future-ready modular platform that evolves with your needs

**CYGNUS X is more than a microscope  
It's a complete digital vision system.**



# Naked-Eye Freedom with Dual Visualization



Traditional microscopes restrict posture & limit your field of view.

CYGNUS X replaces eyepieces with a dual visualization platform that adapts to your workflow:

-  4K Screen Mode: Experience vivid stereoscopic depth & a panoramic 180° field of view on a high-definition display — ideal for team collaboration & patient education.
-  AR Glasses Mode: Immerse yourself in an augmented-reality environment where the operative field appears naturally suspended before you, offering unmatched ergonomic comfort & precision.

**No bending. No eye strain.  
Just pure visual freedom.**



# 4K Ultra-HD Clarity & Precision

Powered by an imported 4K Ultra HD camera with a 12 MP sensor, CYGNUS X delivers exceptional depth & definition for confident clinical decisions.

- Resolution: 3840 × 2160 @ 60 FPS
- Continuous Zoom: 3.3× – 30× (optical, adjustable)
- Working Distance: 200 – 450 mm
- Eye Synchronization Rate: 99.5%
- One-Touch Autofocus: Instantly adapts to your working habits

**Every detail Every contour  
rendered in life like clarity.**



# AR Comfort System 2.0

## Designed for All-Day Use



**76g**

Entire unit weighs

**46.7% : 53.3%**

Forward-light and rear-weighted. Superior comfort.

**Minimalism**

Avant-garde frame design

**3 Levels**

Adjustable temples

**3 Levels**

Adjustable nose pads

Lightweight, balanced & tailored  
AR Comfort System ensures effortless  
focus even during the most demanding  
procedures.

# True-Color Lighting That Reveals More

CYGNUS X integrates a medical-grade LED light system engineered for pure, shadow-free illumination.

- Illuminance: > 50,000 lux (F = 250 mm)
- Color Temperature: 5000 – 5700 K (daylight accuracy)
- Brightness Control: Stepless adjustment
- Filter Modes: Orange / Green / White for specific applications
- Spot Diameter: > 100 mm for broad coverage

Reveal the true color & texture of every surface.



# Intelligent Structure for Effortless Operation

Precision meets mobility in CYGNUS X's balanced architecture.

- Compact dimensions: Camera 240×240×280 mm; Holder 170×85×85 cm.
- Boom length: 1550 mm with smooth 300° upward & 50° downward motion.
- Stable power system: AC 100–240 V, 50/60 Hz, Max 35W.



The lightweight spring arm glides effortlessly, allowing you to position the view precisely without disrupting your workflow.

# Seamless Digital Workflow

From diagnosis to education, CYGNUS X fits effortlessly into your digital ecosystem.

- Capture & archive 4K images or videos for documentation & case reviews.
- Share visuals instantly for training, consultation or marketing.
- Use AR mode to educate patients with real-time visuals that inspire trust & clarity.

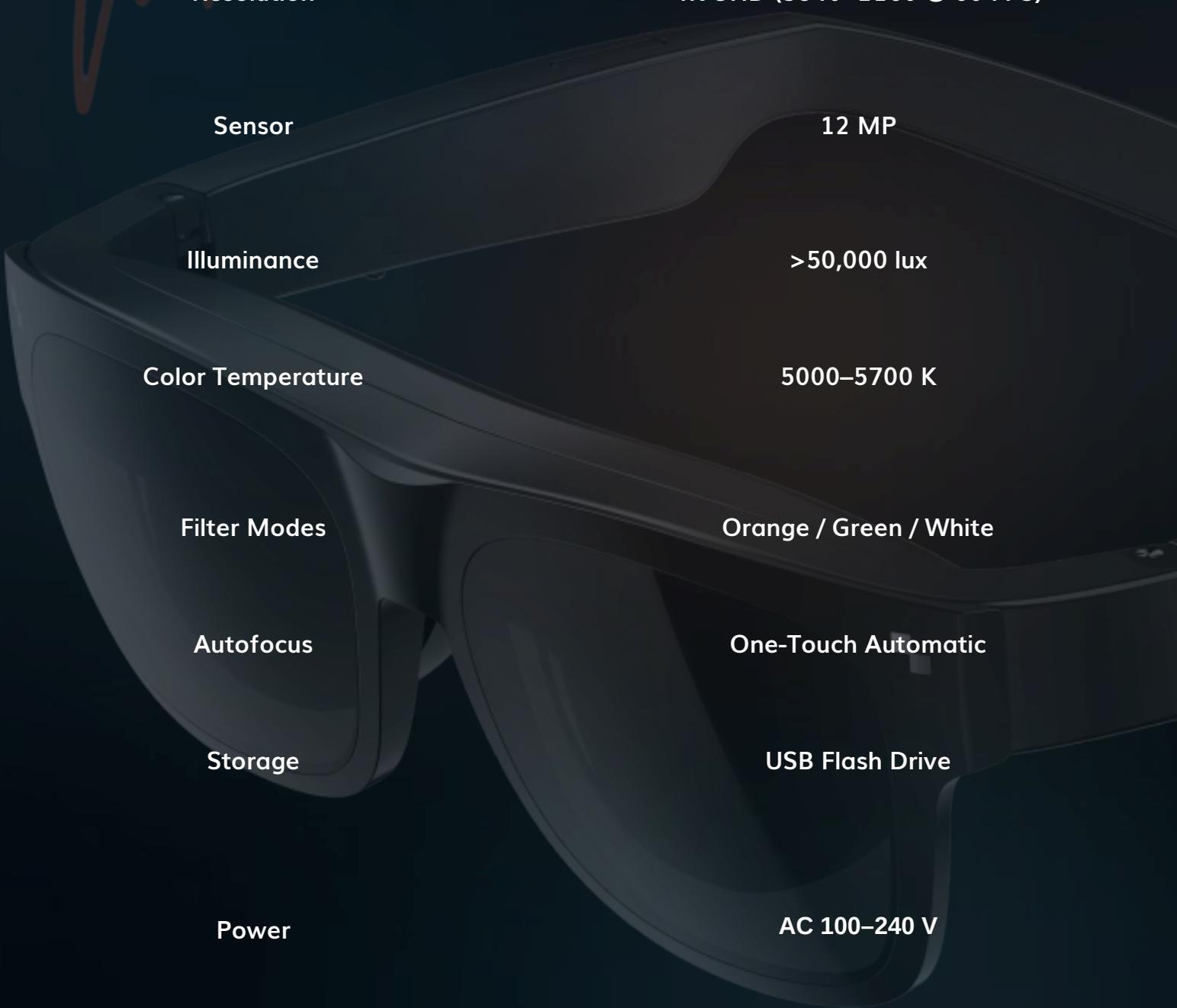
**CYGNUS X bridges precision dentistry with digital communication, making your work both clinically advanced & visually impactful.**



# CONFIGURATION

Feature	Specification
Visualization	4K Screen Display / AR Glasses
AR Weight	76 g total
Balance Ratio	46.7% front : 53.3% rear
Adjustability	3-level temples & 3-level nose pads
Magnification	3.3x – 30x (continuous)
Working Distance	200 – 450 mm
Resolution	4K UHD (3840×2160 @ 60 FPS)
Sensor	12 MP
Illuminance	>50,000 lux
Color Temperature	5000–5700 K
Filter Modes	Orange / Green / White
Autofocus	One-Touch Automatic
Storage	USB Flash Drive
Power	AC 100–240 V

*White for life.*





# Cygnus X

SWAN™