

PAX

pax-XR1
LED surgical Light





Content

- **Introduction;**

- **Application:**

- **Dental care/surgery;**

- **Veterinary/PET healthcare**

- **Medical (surgery, examination or diagnosis)**

Introduction of XR1 series LED Surgical Light

- 01 The pax-XR1 LED Surgical light integrates professional illumination with intelligent interaction, and infection-control design.
- 02 Its intelligent optical system provides precisely adjustable lighting solutions for medical, dental and veterinary applications.



Sterilisation



Hand touchless
control



AI voice control



Infrared remote
controller

makes it a precise and efficient lighting solution in the medical field.



Applications of the pax-XR1 Series in the Dental Field

◆ **pax-XR1 pro mounted on the dental chair**



◆ pax-XR1 pro LED Surgical light



1. The unique dual-lens technology provides excellent anti-glare performance, ensures uniform light distribution, minimizes eye strain during long surgeries.
2. Color rendering index Ra ≥ 95 , it's easier for dentists to distinguish the subtle color changes in tissues such as teeth, gums, and oral mucosa, ensuring the accuracy of diagnosis.
3. Three different control methods enhances the convenience of surgical procedures.
4. The handle withstands 134°C autoclave steam sterilization.
5. The square balance arm design enhances stability during operation.

● Oral Examination Light Mode:

1. Light field size: 100*200mm;
 2. Illumination at 0.7m > 25000Lux)
 3. Color Temperature: 4300K
-



Pax-XR1 MAX Ceiling mount with HD camera recording system



(3840×2160)



(1920×1080)



Monitor size: 21.5"、24"、27"、32" are optional



◆ Pax-XR1 MAX Trolley with HD camera recording system

4K (3840×2160) 1080p (1920×1080)

○ Model A

○ Model B



Multifunctional storage plate accommodates various portable surgical devices or dental scanners, facilitating efficient surgical procedures and maintaining a clean, organized environment.

◆ Pax-XR1 MAX Trolley with HD camera recording system

○ Model C



- Internet Live Streaming

Supports photo capture, video recording, internet live streaming, and remote conferences. It is widely used in academic meetings, university lectures, and daily workshops, providing doctors with a comfortable monitoring distance and enabling synchronous sharing of your high-definition recordings anytime, anywhere.





Camera function: Provides real-time HD video and high-resolution stills of the surgical field for enhanced diagnosis, documentation, and training.



Recording Function: Comprehensively records the entire procedure. This documentation is essential for case archiving, training, and procedural traceability.



4K OR workstation optional



Intelligent remote controller: The three-in-one remote controller can operate light parameters, camera system and recording system.





Applications of the pax-XR1 Series in Veterinary/Pet Healthcare

pax-XR1 LED Surgical Light



pax-XR1 LED Surgical Light mounting options

◆ Ceiling mount



◆ Wall mount



◆ Mobile type





Applications of the pax-XR1 Series in Medical Field

pax-XR1 MAX LED Surgical Light



Comparison Chart of Different Models in the XR1 Series

	pax-XR1	pax-XR1 PRO	pax-XR1 MAX
Max illumination @ 1.0m (Lux)	100000	100000	100000
Colour rendering index(Ra)	>95	>95	>95
Colour temperature(K)	4300	4300 3500-5100 optional	4300 3500-5100 optional
Light field diameter(mm)	160/220	160/220	160/220
Depth of illumination (mm)	2000	2000	2000
Service life LED(h)	60000	60000	60000
Handle control system	×	✓	✓
Gesture sensing	○	✓	✓
Intelligent remote controller	×	○	✓
1080p FHD recorder system	×	×	✓
4K UHD recorder system	×	×	✓

* ✓=standard

○=optional

×=not included

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Thank you !