

ROOE 如翼



Medical Field LED illumination Series

LED surgical lights / LED Medical Examination Lamp
LED X-ray film viewers / LED visual testing lightbox
Surgical and Endoscope Pendant

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JIANGSU ROOE MEDICAL TECHNOLOGY CO.,LTD.

New

Kare Series Surgical Light



Ultra slim lamp :

U6 - bit handle design, more convenient for operation



500 dome head thickness



700 dome head thickness



Please refer to the actual product exact size.

specifications	AKL-K700	AKL-K500
Voltage	AC100-240v 50Hz/ 60Hz	
Illumination	40000-160000Lx (adjustable)	40000-120000Lx (adjustable)
Color Temperature	4000-5000K (adjustable)	
Lamp Power	145VA	110VA
Spot Diameter	180-280mm (adjustable)	
Color Rendering Index	≥95	
Lighting Depth	≥1000mm	
Brightness Level Dimming	1%-100% (stepless dimming)	
LED Bulb Life	≥50000h	
LED Bulb Number	81	51
LED Bulb Brand	German Osram	
LED Bulb Maximum Power	Bulb Rated Power 3W Bulb actual power less than 1W	
Lighting Mode	1. Standard lighting 2. low light lighting 3. cavity mirror lighting	
Installation	1. Hanging 2. wall hanging 3. vertical	
Suspension Mounting Height	2800-3200mm	
Standard Configuration	1. 4.3-inch IPS LCD display and full-screen touch operation control system 2. Red light compensation 3. Green light compensation 4. Three lighting modes (standard/low light/cavity mirror) can be switched with one button	
High-end Configuration	1. Electric focusing 2. Shading compensation 3. Double lamp mutual control	
Optional Function	1. Gesture dimming 2. Wireless remote control 3. Wall control system, 4. Camera system (middle/external)	

Product Feature

- With PMMA optical lens, it has unique Polyoptic technology, high light efficiency, low power, and long life of the light source.
- German Osram LED, it can work more than 50 000 hours.
- PWM dimming system, color temperature can adjust flexible and illumination memory function.
- Unique Engineering Plastic Aluminum case with Aviation Aluminum Top in two colors.
- Buckle type plugin sterile hand shank, it is easy to clean and sterilize.
- Constant current drive for stable working, and for increasing working life.
- Ultra-slim case with only 90mm dome thickness.
- Easy to use operation menu, with a 4.3inch LCD touchable screen controller.
- Adjustable color temperature.
- Red and Green light mode.
- Three individual control system: High color temperature, low color temperature, and endoscope.
- Digital Focusing (Option).
- Shadow compensation function (Option).
- Dual lamps mutual control technology, it is convenient for medical staff to operate (Optional).
- Wireless remote control (Option).
- Gesture sensing function (Option).
- HD central camera or independent external camera system. (Optional).
- Wall control system (Option).

Features



Gesture sensing function

By detecting gesture motion through the sensor, non-contact adjustment can be realized, which is convenient and fast.



Shadow compensation

Adopt Lora modulation technology, encrypt wireless transmission, safe and reliable, transmission distance is no less than 20 meters, can realize remote control of shadowless lamp, operation is more convenient. The shadow compensation technology can be humanized, the wireless transmission is encrypted, safe and reliable, the transmission distance is no less than 20 meters, it can realize the distance control of shadowless lamp, and the operation is more convenient.



Wireless control

Adopt Lora modulation technology, encrypt wireless transmission, safe and reliable, transmission distance is no less than 20 meters, can realize remote control of shadowless lamp, operation is more convenient.



Electric dimming spot

Control diversification, handle and controller can control the size of the spot, convenient and fast.



Color temperature adjustable

According to their own conditions to choose the most appropriate light tone, can increase red, green compensation, improve the color rendering index, can more clearly distinguish between different types of tissue, more accurate identification of the most real color of the organization.



Dual lamps mutual control

The controller of two lamp can control each other's color temperature, cavity mirror, camera and so on.

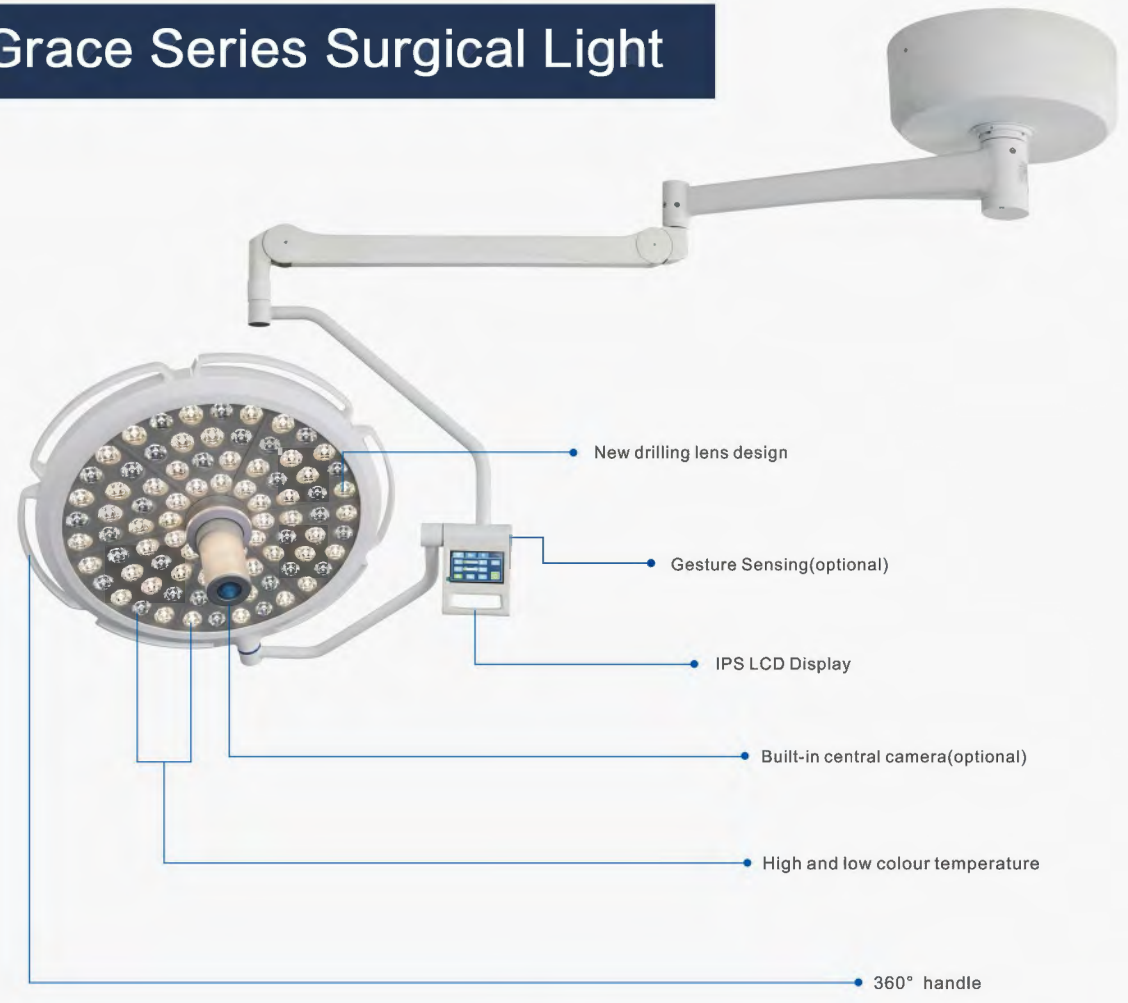


New brick lens design

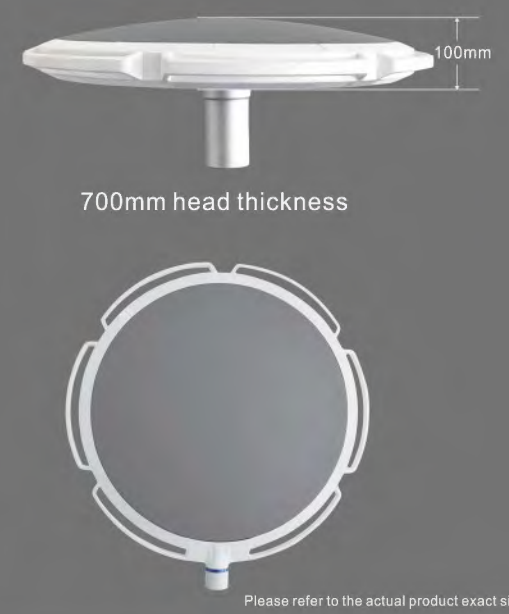
Excellent optical design, more beautiful appearance, higher light efficiency, less glare.



Grace Series Surgical Light



Ultra slim lamp :
U6-bit handle design,
More convenient for operation



Please refer to the actual product exact size.

specifications	AKL-G700	AKL-G500	AKL-G500(L)
Voltage	AC100-240v 50Hz/ 60Hz		
Illumination	40000-160000 Lx (adjustable)	40000-120000 Lx (adjustable)	40000-120000 Lx (adjustable)
Color Temperature	4000-5000K (adjustable)		
Lamp Power	70VA	65VA	70VA
Spot Diameter	120-300mm (adjustable)		
Colour Rendering Index	≥90		
Lighting Depth	≥1000mm		
Brightness Level Dimming	10 file		
LED Bulb Life	≥50000h		
LED Bulb Number	84	54	54
LED Bulb Brand	German Osram		
LED Bulb Maximum Power	Bulb Rated Power 3W Bulb actual power less than 1W		
Standard configuration	1. 4.3 "full-screen touch controller; 2. Manual focusing module; 3. Red light compensation; 4. Green light compensation; 5. standard, cavity mirror, low light lighting mode.		
Optional function	1. Electric focusing component; 2. shading compensation; 3. Mutual control system; 4. Gesture sensing; 5. Remote control; 6. Wall control system		

Product Feature

- With PMMA optical lens, it has unique Polyoptic technology, high light efficiency, low power, and long life of the light source.
- German Osram LED, it can work for more than 50 000hours.
- PWM dimming system, color temperature can adjust flexible and illumination memory function.
- Unique Engineering Plastic Aluminum case with Aviation Aluminum Top in two colors.
- Buckle type plugin sterile hand shank, it is easy to clean and sterilize.
- Constant current drive for stable working, and for increasing working life.
- Ultra-slim case with only 100mm dome thickness.
- Easy to use operation menu, with a 4.3inch LCD touchable screen controller.
- Dual lamps mutual control technology, it is convenient for medical staff to operate (Optional)
- HD central camera or independent external camera system. (Optional)
- With gesture sensing (optional) and wireless remoter control function. (optional)
- Manual focusing and digital focusing(Optional)
- Spot diameter and video image directions can adjust.

Features



Gesture sensing function

Gesture sensing: It can detect gestures by sensors and adjust brightness without contact, which is convenient and fast.



Wireless control

Hand-held wireless control: LoRa modulation technology is adopted to encrypt the wireless transmission, which is safe and reliable, and the transmission distance is not less than 20 meters; It can realize remote control of shadowless lamp and operate more conveniently.



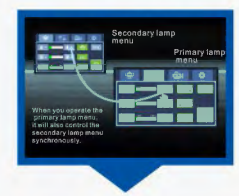
Electric dimming spot

Electric dimming spot: control diversification, handle and controller can control the size of the spot, convenient and fast.



Color temperature adjustable

Adjustable color temperature: The color temperature of surgical lamp can be adjusted according to the demand, so that the color of tissues can be identified more clearly and accurately



Dual lamps mutual control

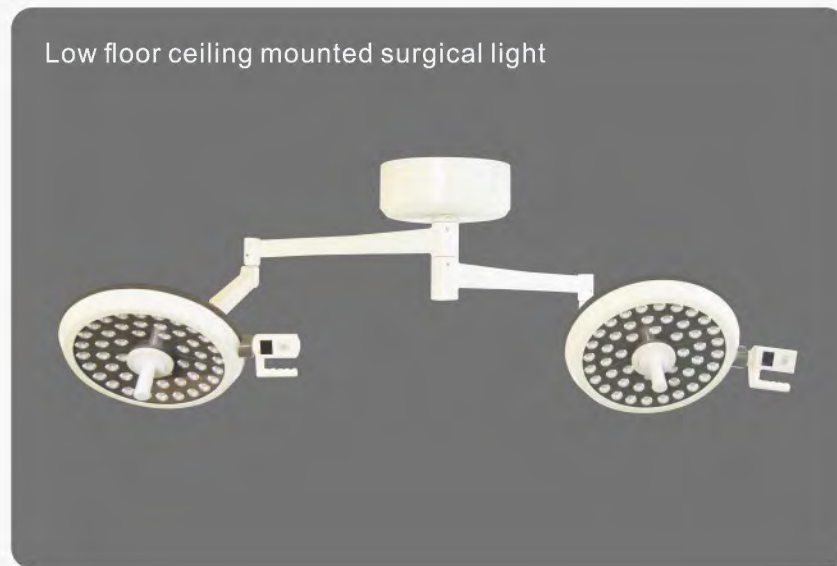
Dual lamps mutual control technology: two lamps' holder controller can control each other's color temperature, endoscope mirror, camera, etc.



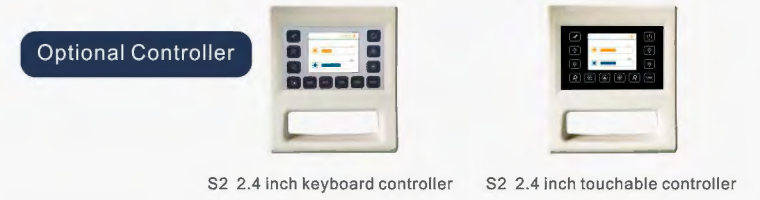
New brick lens design

New drilling lens design: excellent optical design, more unique outlook, higher light efficiency, less glare.

Deer Series Surgical Light(1)



► Available controller



► Specification

Model	AKL-700D	AKL-500D	AKL-500D(L)
Voltage	AC100-240V 50Hz/60Hz		
Illumination	40000-160000Lx (adjustable)	40000-120000Lx (adjustable)	40000-120000Lx (adjustable)
Colour temperature	4000-5000K (adjustable)		
Lamp power	70VA	65VA	70VA
Spot diameter	120-300mm(adjustable)		
Colour rendering index	≥90		
Lighting depth	≥1000mm		
Brightness Level Dimming	1%-100% (continuously dimming)		
LED Bulb life	≥50000h		
LED Bulb number	80pcs	48pcs	48pcs
LED Bulb brand	German Osram		
LED Bulb maximum power	Bulb rated power 3W		Bulb actual power less than 1W

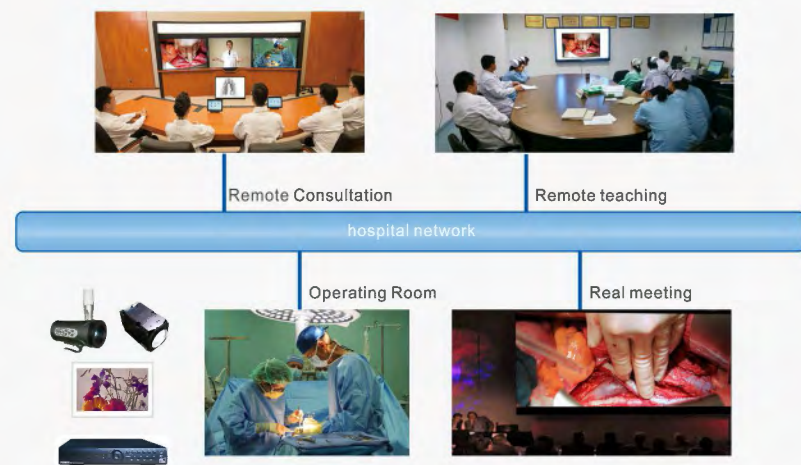


LED Surgical Light with Camera System >>>



With the improvement of overall hospital information construction, digital operating room construction has become a trend, operating surgical shadowless lamp camera system is an important part of the digital operating room. The camera system will monitor the operation field and transmit the high-definition surgical images to the hospital network. The recorded high-definition images and video can be used for remote consultation, remote teaching, and expert discussion.

» Application



» Mating Parameters

Built-in Camera Parameters

Built-in Sony Specifimaging sensor: 1/2.8 type CMOS
 Lens: 20x/30x
 Resolution: 1920x1080
 Digital Focusing: 12X
 Focal Distance: 30

HD SDI LCD Medical Monitor Specifications

Size: 21.5 inch
 Resolution: 1920x1080
 Nature colour: 262k
 Power: DC 12V, 50/60Hz

HD-SDI Digital Video Recorder Specification

Video output: TV, VGA, HDMI Synchronously Output; VGA and HDMI Support High Definition 1080P Output
 Network: 10M/100M/1000M Adaptive Ethernet Port
 Hard Disk : SATA Interface (up to 3TB)

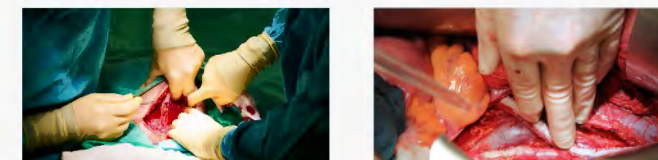


New

» Product Feature

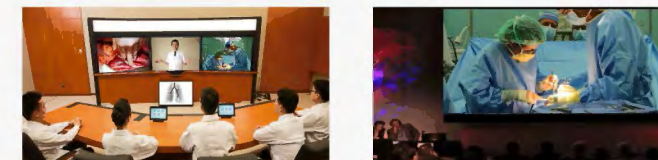
The anti-shaking and anti-noise functions

Can effectively overcome the image blur caused by vibration, and filter the noise wave in the picture, even in the low light environment can obtain the cleaning effect of the picture.



HD Camera System

Through the Internet, HD camera system can realize remote consultation, large-screen meeting, remote teaching, etc., doctors can record the operating room live, seat training research, online learning precious resources



远程会诊

大屏会议

Optional Facilities

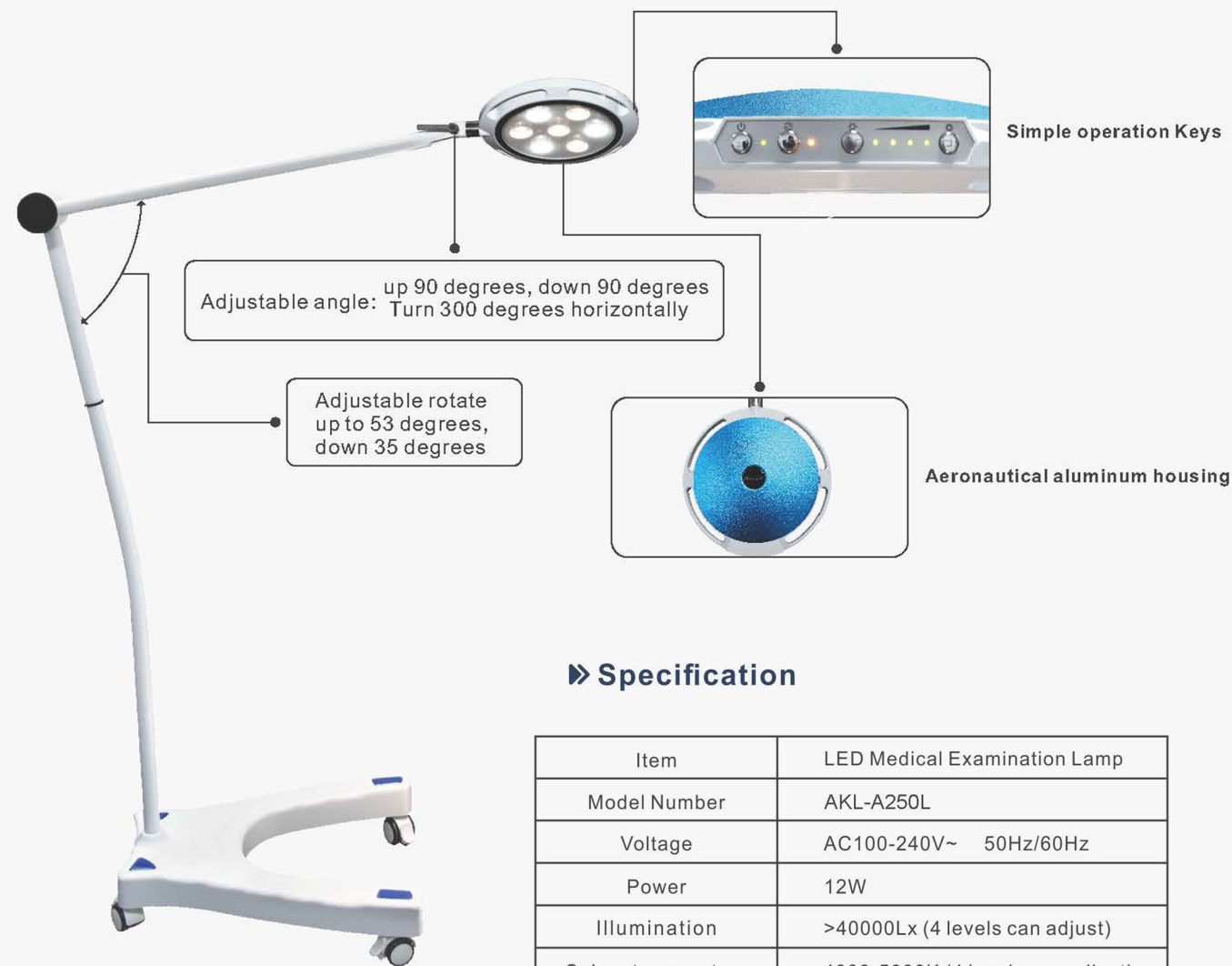
Central/external SONY camera, SDI HD LCD monitor, 4-channel HD-SDI digital hard disk video recording.



LED Medical Examination Lamp >>>

Product Feature

- German Osram LED, it can work more than 50 000hours.
- Color temperature can adjust flexible and illumination memory function.
- Constant current drive for stable working, and for increasing working life.
- With an optical lens, it has unique Polyoptic technology, high light efficiency, low power, and long life of the light source.
- Unique Engineering Plastic Aluminum case with Aviation Aluminum Top in two colors.



Specification

Item	LED Medical Examination Lamp
Model Number	AKL-A250L
Voltage	AC100-240V~ 50Hz/60Hz
Power	12W
Illumination	>40000Lx (4 levels can adjust)
Colour temperature	4000-5000K (4 levels can adjust)
Spot diameter	180-220mm
Colour rendering index	≥90

LED X-Ray Film Viewer Purification Installation Solution >>>



With more and more purification operating room developing, the hospital has strict requirements on the LED X-Ray film viewers installation and maintenance. To meet customer demand, our company has developed some purification LED X-Ray film viewers are with stainless steel material, which can be embedded install. It is convenient to replace, maintain, and clean.



Specification

Embedded Screen Number	1*2	1*3	1*4	2*2	2*3	2*4
Frame Size (mm)	844X534	1204X534	1564X534	844X1052	1204X1052	1564X1052
Mounting hole size ±2mm	818X508	1178X508	1538X508	818X1026	1178X1026	1538X1026
Embedded Cabinet Thickness (mm)	36	36	36	36	36	36

LED X-Ray Film Viewer Series >>>

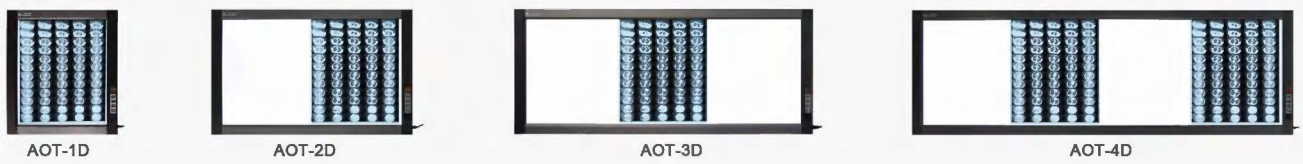
AOT-D LED X-Ray Film Viewer (Sidelight Mode)



Product Feature

- The high-efficient and durable LED light source, it can work more than 100 000hours.
- PWM dimming system, color temperature can adjust flexible and stable.
- Sidelight with light guide plate technology, optimized structure, the case thickness is only 25MM.
- Separate control each panel,plug is bright,automatic sensing function,memory function,delay power off function.
- Reliable silicone film clip device.
- Aviation aluminum +ABS structure design, the body heat dissipation function improved, greatly extend the service life.

Specification



Model NO.	AOT-1D	AOT-2D	AOT-3D	AOT-4D
External Size(mm)	450x500x25	810x500x25	1170x500x25	1530x500x25
Visual Size(mm)	360x420	720x420	1080x420	1440x420
Maximum X-Ray film reading size	17x14inch (355.6x431.8mm)			
Max.Power	30W	60W	90W	120W
Light Source	Super high brightness SMD LED 144 PCS/panel;8 000K CT;LED Lifespan of 100 000hours			
Electric Parameters	Global Voltage Adaptive built-in power;AC90V-240V;50/60Hz			
Brightness Setting	PWM dimming system;two digital LCD displayer,9 brightness stages ,brightness adjustable among 0-4000cd/m ²			
Clip device	Silicone clip device			
Mount Type	Wall-mounte or bracket			
Application Films	General film,digital film,breast mamography film			
Sensor function	Separate control of each panel,automatic sensing function,plug is bright,memory function,delay power off function			
Viewing Uniformity	≥90%			
Working Environment	Room Average Illuminance should no more than 100 lux			

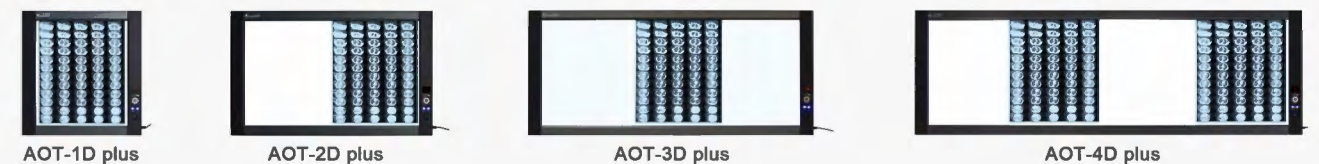
AOT-D plus LED X-Ray Film Viewer (Sidelight Mode)



Product Feature

- The high-efficient and durable LED light source, it can work more than 100 000hours.
- PWM dimming system, color temperature can adjust flexible and stable.
- Sidelight with light guide plate technology, optimized structure, the case thickness is only 25MM.
- Automatic sensing function,plug is bright,memory function.
- Reliable silicone film clip device
- Aviation aluminum +ABS structure design, the body heat dissipation function improved, greatly extend the service life

Specification



Model NO.	AOT-1D plus	AOT-2D plus	AOT-3D plus	AOT-4D plus
External Size(mm)	476x500x25	836x500x25	1196x500x25	1556x500x25
Visual Size(mm)	361x420	721x420	1081x420	1441x420
Maximum X-Ray film reading size	17x14inch (355.6x431.8mm)			
Max.Power	30W	60W	90W	120W
Light Source	Super high brightness SMD LED 144PCS/panel;8 000K CT;LED Lifespan of 100 000hours			
Electric Parameters	Global Voltage Adaptive built-in power;AC90V-240V;50/60Hz			
Brightness Setting	3 PWM dimming system;brightness 0-100 stages stage continuous adjustable among 0-4000cd/m ²			
Clip device	Silicone clip device			
Mount Type	Wall-mounte or bracket			
Application Films	General film,digital film,breast mamography film			
Sensor function	Automatic sensing function,plug is bright,memory function,delay power off function			
Viewing Uniformity	≥90%			
Working Environment	Room Average Illuminance should no more than 100 lux			

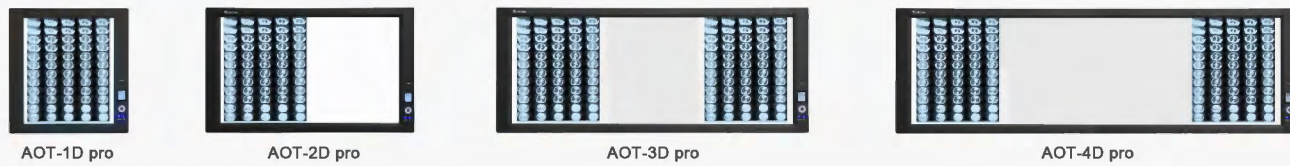
Ultra-Bright LED X-Ray Film Viewer(Back Light Mode)



Product Feature

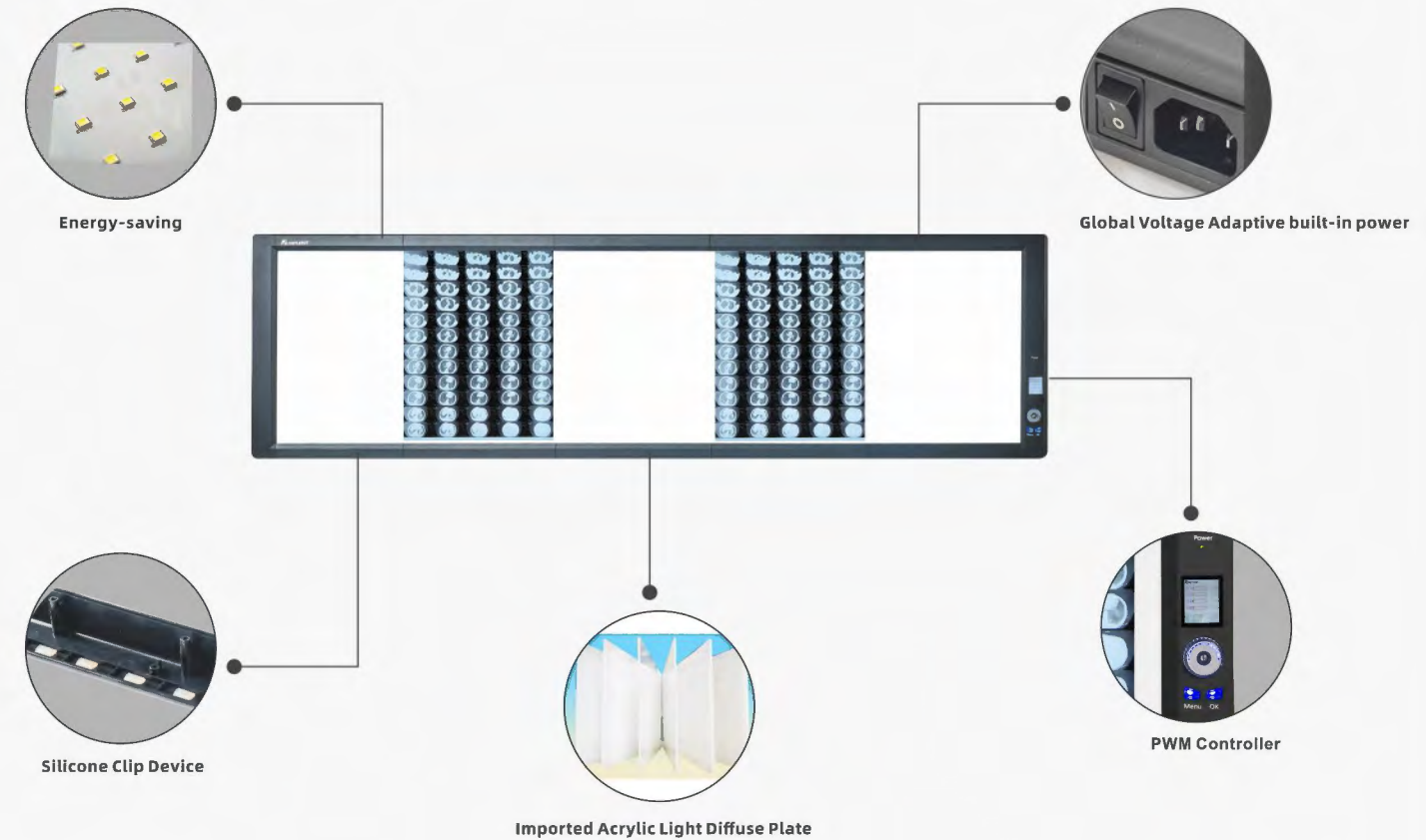
- The high-efficient and durable LED light source, it can work more than 100 000hours.
- With dot-matrix backlight technology, the brightness area can be adjustable among 0-6000cd/m²
- PWM dimming system, color temperature can adjust flexible and stable.
- 1.77 inch LCD displayer, brightness can adjust 0-100 stages
- Sidelight with light guide plate technology, optimized structure, the case thickness is only 25MM.
- Automatic sensing function, the plug is bright.
- Reliable silicone film clip device
- Constant current drive for stable working, and for increasing working life.

Specification



Model NO.	AOT-1D pro	AOT-2D pro	AOT-3D pro	AOT-4D pro
External Size(mm)	480x502x38	840x502x38	1200x502x38	1560x502x38
Visual Size(mm)	360x422	720x422	1080x422	1440x422
Maximum X-Ray film reading size	17x14inch (355.6x431.8mm)			
Max.Power	30W	60W	90W	120W
Light Source	Super high brightness SMD LED 780PCS/panel;8 000K CT;LED Lifespan of 100 000hours			
Electric Parameters	Global Voltage Adaptive built-in power;AC90V-240V;50/60Hz			
Brightness Setting	PWM dimming system;1.77 inch LCD displayer,brightness 0-100 stages adjustable among 0-6000cd/m ²			
Clip device	Silicone clip device			
Mount Type	Wall-mounte or bracket			
Application Films	General film,digital film,breast mamography film			
Sensor function	Separate control of each panel,automatic sensing function,plug is bright,memory function,delay power off function			
Viewing Uniformity	≥90%			
Working Environment	Room Average Illuminance should no more than 100 lux			

Ultra-bright Multiple-Panel LED X-Ray Film Viewer



Specification

Model NO.	AOT-5D pro	AOT-6D pro	AOT-7D pro	AOT-8D pro
External Size(mm)	1920x502x38	2280x502x38	2640x502x38	3000x502x38
Visual Size(mm)	1800x422	2160x422	2520x422	2880x422
Maximum X-Ray film reading size	17x14inch (355.6x431.8mm)			
Max.Power	150W	180W	210W	240W
Light Source	Super high brightness SMD LED 780PCS/panel;8 000K CT;LED Lifespan of 100 000hours			
Electric Parameters	Global Voltage Adaptive built-in power;AC90V-240V;50/60Hz			
Brightness Setting	PWM dimming system;1.77 inch LCD displayer,brightness 0-100 stages adjustable among 0-6000cd/m ²			
Clip device	Silicone clip device			
Mount Type	Wall-mounte or bracket			
Application Films	General film,digital film,breast mamography film			
Sensor function	Separate control of each panel,automatic sensing function,plug is bright,memory function,delay power off function			
Viewing Uniformity	≥90%			
Working Environment	Room Average Illuminance should no more than 100 lux			