

See Clearly-- Move Freely --Comfort Fit --Cost-Effective

*Only our extraordinary **Headlights**  
are always make you can't refuse*



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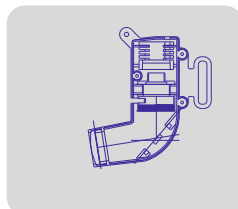


## LED Medical Headlight & Headcam

**Cableless Headlight**  
**Binocular Loupes**  
**Camera System**

The Surgical KS-W Series is one of the most popular generation of portable LED Surgical headlight systems offering extreme brightness, premium quality uniform beams by adopting multi-coated optic lens.

## KS-W01 / W02black



Dual Lithium Polymer battery packs provide constant steady brightness and longevity to the headlight. A full charge illuminates for up to 5+5 hours at the highest brightness

Built-in Rechargeable Lithium Polymer battery with LED screen display power indication, fast and easy recharging of battery

Precision multiple lens optical system consisting of four high-quality lens. Completely homogeneous illumination of the whole field of view, and a clearly defined light spot. Spot size adjustable by inner mini light grating



Optional yellow filter can effectively reduce blue light and avoid light curing in dental surgery.



100-240V wide range compatible transformer

## LED medical micro spotlight cordless Headlight

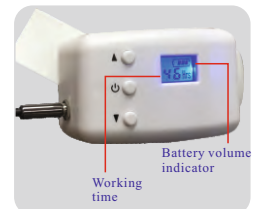
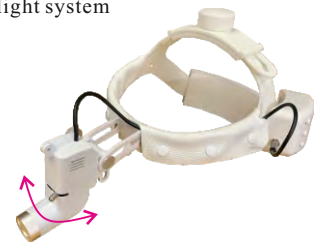


### KS-W series Ultra-bright coaxial LED headlight system

## KS-W01 / W02 white

L type optical path

Variable intensity & light spot



Loupes and headlights are rapidly becoming the standard of care among dental hygienists and surgical assistants. Wearing dental loupes and headlights improves visualization as well as working posture

Homogeneous spot provides a sharp clear image from edge to edge, better visualization, reduced eyestrain, light spot of luminance is uniform and distinct with no light pollution from outside.

Full digital brightness control and LED screen display offer obviously power volume condition and brightness step

- Adjustable spot size D=10-110mm working from 20-50cm distance fits any examination situation
- More than 40000lux distribute very high illumination and homogeneity image.
- L-shaped lamp head with several precision optical lens, the line of sight is coaxial with the direction of illumination, especially suitable for targeted or deep illumination such as otolaryngology, anorectal and gynecology

## KS-W series

### LED Medical Headlight KS-W series

Model	KS-W01	KS-W02
Light source	Single LED	
LED Power	3W	5W
LED span life	5000hours	
Illumination	18000-38000lux	20000-52000lux
Work Distance	200-500mm	200-500mm
Light spot	Variable from D=45mm to D=110mm	
Color temperature	3000-6500K	
Power Supply	AC 90-240V / DC 5V	
Battery NO.	Single(Standard),Dual(optional)	
Capacity of battery	1800mAh per piece	
Charging Time	2 hours	
Battery using time	5 hours(max illumination)-20hours(min illumination)	
Brightness control	Digital button on/off and brightness control with LED screen	
Color of apparence	Black or White	
Optional Magnifier	M250 2.5X (Black&White)/ M350 3.5X (Black&White)/ M450 2.5-3.5X Black / M-4X, CM400/ DM500 /DM600	
Optional Camera	1080p HD wireless camera	
Package	EPE Foam package with color box (standard)/ Aluminium case (option)	

EPE Foam inside



Color box (Standard)



Options: Loupes, Battery, Aluminium case



clear+brilliant

First-class light and feature outstandingly high-performance batteries



Dual Lithium Polymer battery packs provide constant steady brightness and longevity to the headlight. It is very easy to exchange the battery power supply.

The device is highly integrated with lighting and camera system.



Surgical loupes is very popular applied to Dental, Plastics, Neurological, Ophthalmology, Otorhinolaryngology





KS-R01



KS-R01 Awesome configuration for exam/surgery field

- 1 Directing concentrated headband mounted (standard)
- 2 Coaxial concentrated headband mounted
- 3 Clip mounted for goggles or binocular loupes
- 4 Mirror type

Full alluminium housing lamphead with focus adjustable provide the homogeneous illumination

Ajustable spot size D=25-110mm working from 20-50cm distance is ideal for exam/surgery field

Concentrating type, no boundary and external light pollution with 40000lux illumination

Multi-type coaxial installation can satisfy different demand of medical illumination.

# MEDICAL HeadLight

Better Way To Better Care

## LED medical micro spotlight cordless Headlight

Primary usage:

ENT,dental surgery,plastic surgery,orthopedics, neurosurgery,cardiologie,ophthal mology,gynaecology,veterinary first aid,outdoor rescue,etc.



Straight type optical path

Full alluminium lamphead



Illumination	Model	KS-R01	Electric supply	Model	KS-R01
	Light source	Single LED		Color	Black
	LED Power	2W		Lamphead	Full alluminium
	LED span life	5000hours		Length of lamphead	42mm
	Illumination	10800-51000lux		Diameter of lamphead	16mm
	Distance	200-500mm		Power Supply	AC 90-240V / DC 5V
	Light spot	Variable from D=25mm to D=110mm		Battery NO.	Single(Standard) Double(Dual)
Optional mounting	Brightness control	Digital button on/off and brightness control with LED Screen	Apperance	Capacity of battery	1800mAh per piece
	Magnifier	M250 2.5X (Black&White)/ M350 3.5X (Black&White)/ M450 2.5-3.5X Black / M-4X, CM400/ DM500 /DM600		Charging Time	2 hours
				Battery using time	5 hours(max lux)- 20hours(min lux)
				Package	EPE Foam package with color box (standard)/ Alluminium case (option)

KS-R01

2



The unique design dispenses weight evenly across the bridge of the frame minimizing pressure on the clinician's nose

# **MEDICAL HeadLight** Better Way To Better Care

Surgical Illumination and Video Recording Systems

## **Precision multiple lens optical system**

provides clearly defined focus  
light field and completely  
homogenous illumination



## **Co-axial Beam Angle**

Ergonomical design allows for a full range of motion to obtain desired beam angle.

## **Homogenous light spot**

Providing edge to edge consistent illumination and optimal spot size



3



4



3



Loupes and headlights are rapidly becoming the standard of care among surgical, dental hygienists and assistants. Wearing binocular loupes and headlights improves visualization as well as working posture. As a result, musculoskeletal stress is reduced with less chance of neck and back problems that can shorten career longevity.

Brilliant LED 2W KS-R01 provides homogenous illumination and is ideal for most medical disciplines and especially suitable for domiciliary and paramedic applications

The LED light casing is made by Aluminum, so it is durable and light weight.

The battery pack has built-in Rechargeable Li-ion battery with power indication, fast and easy recharging of battery. With two batteries, it can work more than 10 hours of power with max brightness.

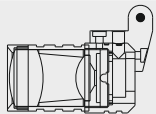
Power light on and off with ease between procedures and patient consultations





## KS-MC01

Super Micro 1 Watt LED is the latest generation of portable LED headlight systems offering high-quality, uniform beams, visual battery signals and desired brightness control.



A precise focused light system which is composed of multi-optical lens provides enhanced visibility during procedures



### Co-axial Beam Angle

- Ergonomical design allows for a full range of motion to obtain desired beam angle.

### Visual battery light signals

- Easy to see the volume of battery in different power level.

### Digital Dimming

- Allows the user to power the unit on and adjust to the desired brightness level.

### Cordless and Comfortable

- Lightweight, flexible padded headband provides free range of motion.

Illumination	Model	KS-MC01	Electric supply	Model	KS-MC01
	Light source	Single LED		Color	Silver
	LED Power	1W		Lamphead	Full alluminium
	LED span life	5000hours		Length of lamphead	38mm
	Illumination	5000-30000lux	Diameter of lamphead	16mm	
	Distance	200-500mm	Apperance	Power Supply	AC 90-240V / DC 5V
	Light spot	70mm- 150mm		Battery NO.	Single(Standard) Double(Dual)
	Brightness control	Digital button on/off and brightness control with LCD		Capacity of battery	1800mAh per piece
Optional mounting	Magnifier	M250 2.5X (Black&White)/ M350 3.5X (Black&White)/ M450 2.5-3.5X Black / M-4X, CM400/ DM500 /DM600		Charging Time	2 hours
			Battery using time	5 hours(max lux)- 20hours(min lux)	
			Package	EPE Foam package with color box (standard)/ Alluminium case (option)	

**KS-MC01, the new ultralight,smart and universal LED headlight**



KS-MC01



Elegant design of KS-MC Series is a lightweight and ergonomic alternative to conventional headlight systems.

#### Mounting Options:



The Micro headlight KS-MC01 is currently the lightest headlight and was designed as the perfect complement to the MicroLine Loupes.



Clip type--- supplied with universal clip fitting for use on all spectacles/ loupes



Flip-up type with mirror--available in standard sport black frame,



Dual Lithium Polymer battery packs provide constant steady brightness and longevity to the headlight



#### KS-MC01, the new ultralight,smart and universal LED headlight

Full aluminium housing lamphead is more durable and protects the optics against dust and moisture .

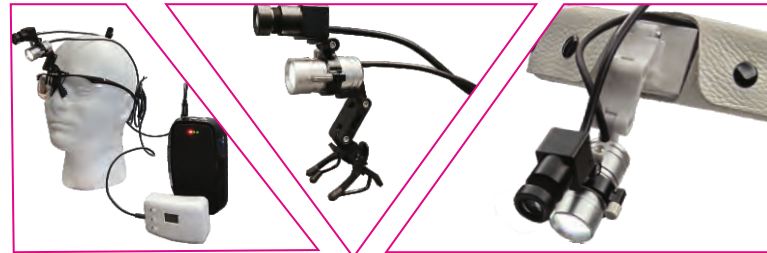
Precision multiple lens optical system consisting of three high-quality lens.

Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination.

An absolutely bright light spot that is uniform from edge-to-edge for the perfect illumination in all examination situations.

Supreme size of light spot D=70-150mm working from 20-50cm distance provide better light illumination for surgery operation.

#### The best assistance for operation video recording





LED micro headlight with Astral light

KS-H2N

Two lights for shadowless



#### Features of KS-H1N, H2N:

Small and Light Weight Design

Advanced technology, [Super high Illumination Intensity](#)

Unobstructed Co-axial illumination

Headlight can be attached to loupes with supplied mount

Compatible with most flip up style loupes

Direction and angle of the LED beam is almost adjustable

Adjustable Brightness Intensity (0-100%)

Advanced Rechargeable Polymer Li-ion cells Battery

Reduce the shadows and maximizing intensity with Astral light



KS-H1N

**Straight type optical path**  
**Full alluminium lamphed**

#### Specification of headlight KS-H1N,H2N

<b>Lamphead(single)</b>	Length: 33mm Diameter: 22mm Weight: 21g
<b>Illumination(single)</b>	Illumination source :3W LED Illumination intensity:45000lux-70000lux Color temperature: 4000-5000K Spot size: D=140mm to 300mm@20-50cm Distance: 20-50cm Lamp working life 50,000 hours
<b>Battery(single)</b>	Battery 3.7V Lithium Battery Battery run time >20 hours Battery charging time: 2hours Capacity: 1800mAh Input voltage 100-240VAC
<b>Standard configuration</b>	Headlight main unit 1 pc (2pc for H2N) Head band 1 pc Battery 1 pc (2pc for H2N) Charger 1 pc EPE Foam package 1 set
<b>Options</b>	Spare battery Astral light+battery Clip type or flip-up typ on spectacles Calilean loupe M250/M350/M450/M-4X Kepler loupe K-4X/K-5X/K6X Alluminium case



Experience your perfect combinations

KS-H1N



Headband type



Clip type



Mirror type  
with S-Frame glasses



Portable headband with battery  
Be free from belt pack and cables  
Truly cordless  
Perfect balance

Supplied with universal clip fitting  
for use on all spectacles/ loupes

More comfortable

Stylish look

Reduces pressure

Provides more secure fit during using

Can be worn with or without headstrap



- Exceptional brightness
- Very homogeneous light
- Large illumination field
- Economic cost





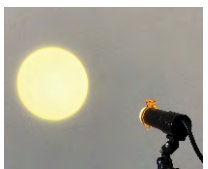
# KS-D01

clip type for the loupe



provides you with the complete solution to illuminate the oral cavity.

Flip-up Dental Composite Filter (standard)  
Prevents composite materials from curing



## Specification of headlight KS-D01

Lamphead	Length: 43mm Diameter: 15mm
Illumination	Illumination source :3W LED Illumination intensity:>5000lux Color temperature: 5000-6000K without filter 3500-4500K with filter Spot size: D=90mm to 190mm Distance: 20-50cm Lamp working life 50,000 hours
Battery	Battery run time >4 hours Battery charging time: 2hours Input voltage 100-240VAC



# EDICAL Binocular Loupes

## Better Way To Better Visualization

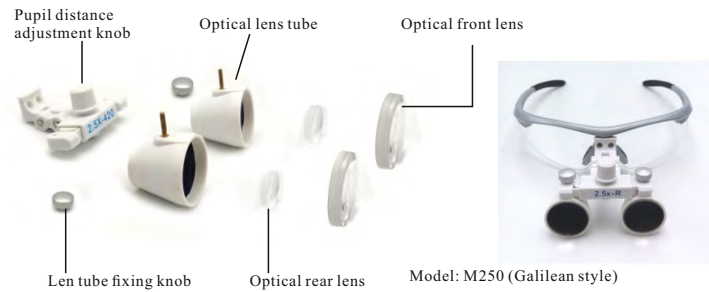
Various magnifications(from 2.5x to 8x) with LED headlight are available.  
They provide homogeneous, reflex-free illumination even in deep cavities.

Binocular Loupes are used in many disciplines: General Medicines, Dermatology, Surgery, Cosmetic Surgery, Neurosurgery, ENT, Ophthalmology, Veterinary Medicine, Dentistry etc.

## Perfect combination with clip-on type loupes

- Reduced eye, neck and back fatigue
- Using loupes for long time by headband wearing
- Enhanced view of your instruments
- Better visualization of the oral cavity

This **2.5x Ultra-light Loupe** features a wider field of view & depth of field and high enough magnification for daily dental procedures. It has special coated lens that eliminates the light reflection. The unique design of this loupe allows an optimal amount of light to be transmitted into your eyes to produce sharper, clearer and brighter images with an amazing depth-of-field thereby reducing eyestrain.



Model: M250 (Galilean style)  
Magnification Power : 2.5x  
Working Distance : 320-420mm  
Depth of Field : 90mm  
Field of View : 130mm  
Inter-pupillary Distance : 45 - 70mm adjustable  
Working Angle : up to 45 degrees  
Color: black or white color

# **EDICAL Binocular Loupes** Better Way To Better Visualization

The lower the magnification, the easier it is to use the loupes due to the larger field of view and better depth of focus

Loupes can be flipped up for charting and flipped down for procedures.



Flip-up on the spectacles  
(code:BL003)

Loupes can be flipped up for charting and flipped down for procedures. Less expensive than that Through The Lens Loupes. Combined with camera or clipped headlight



Clip on spectacle



Clip on loupes



Headband wearing  
(code:BL002)

Clip-On Binocular Loupes can be used in conjunction with Headbands.



Loupes with clipper  
(code:BL004)



Loupes with conjunctive hinge  
(code:BL001)

All our Binocular Loupe Frames can be fitted with either the Ultra Lightweightor Universal Medical Headlights.



Model: M350 (Galilean style)  
Magnification Power : 3.5x  
Working Distance : 320-420mm  
Depth of Field : 55mm  
Field of View : 60mm  
Inter-pupillary Distance : 45 - 70mm adjustable  
Working Angle : up to 45 degrees  
Color: black or white color



Interpupillary adjustment  
Alluminium-magnesium alloy frame



With inner frame



Alluminium lens cone  
Magnifier adjustment

Model: M450 Galilean style (new&adjustable)  
Magnification Power : 2.5x-3.5x  
Working Distance : 200-550/340-550mm  
Depth of Field : 55mm  
Field of View : 120mm/100mm  
Inter-pupillary Distance : 45 - 70mm adjustable  
Working Angle : up to 45 degrees  
Color: black or white color

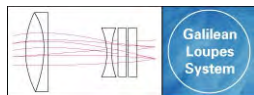
The **3.5x medical Loupe** features: ultra-high resolution, true 3.5x magnification and lightweight comfort, 60mm field of view and 55mm depth of field in a compact loupe system. The highest magnification power amongst the Galelian Style Dental/Surgical loupe that provides vision not attainable by the naked eye. It has a special coated lens that eliminates the light reflection - least interruption to your works.

The unique design of this loupe allows an optimal amount of light to be transmitted into your eyes to produce sharper, clearer and brighter images with an amazing depth-of-field thereby reducing eyestrain.

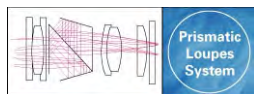


Model: M4X-S/M4X-R/M4X-L  
Magnification : 4X  
Working Distance : 280-330mm/420mm/380-430mm  
Field of View : 65mm/100mm/100mm

# **EDICAL Binocular Loupes** Better Way To Better Visualization



Galilean loupes offer a very light design, high depth of field and allow maximum magnification of approx. 4x



Prismatic magnifying systems(Kelperian) can offer a higher level of magnification (up to approx. 8x); however they severely restrict the field of view, reduce depth of field and are by far heavier than Galilean loupes

1. It is **4x magnification Kepler prisms loupes**.
2. It has excellent optical property and high accuracy;
3. It can provide high clear images to users.
4. It is very in focus and light with high accurate optical prisms and lens.
5. There are 4 working distance for choosing
6. The loupe lens can flip up when it is not in use.
7. Widely used for Dental ENT, Microsurgery, Orthopedic and other surgical operations.
8. Our loupe can link with our surgical led headlight to use together.
9. It can illuminate and magnify at the same time, very convenient for using.

A Compact Optical See-Through Head-Worn Display



Model	CM4-S	CH4-S	CM4-R	CH4-R	CM4-L	CH4-L	CM4-XL	CH4-XL
Color	Black	Silver	Black	Silver	Black	Silver	Black	Silver
Magnification	Prismatic 4X (keplerian loupes)							
Working distance	280-380mm		360-460mm		440-540mm		500-600mm	
View of field	70mm		70mm		75mm		75mm	



Binocular prismatic adjustable angle medical loupes 5X

Model	DM5-S	DH5-S	DM5-R	DH5-R	DM5-L	DH5-L	DM5-XL	DH5-XL
Color	Black	Silver	Black	Silver	Black	Silver	Black	Silver
Magnification	Prismatic 5X (keplerian loupes)							
Working distance	280-380mm		360-460mm		440-540mm		500-600mm	
View of field	60mm		64mm		68mm		70mm	

Binocular prismatic adjustable angle medical loupes 6X

Model	DM6-S	DH6-S	DM6-R	DH6-R	DM6-L	DH6-L	DM6-XL	DH6-XL
Color	Black	Silver	Black	Silver	Black	Silver	Black	Silver
Magnification	Prismatic 6X (keplerian loupes)							
Working distance	280-380mm		360-460mm		440-540mm		500-600mm	
View of field	55mm		58mm		62mm		65mm	





# **EDICAL Binocular Loupes** Better Way To Better Visualization

Model	DM8-S	DM8-R	DM8-L	DM8-XL
Color	Black	Black	Black	Black
Magnification	Prismatic 8X (keplerian loupes)			
Working distance	280-380mm	360-460mm	440-540mm	500-600mm
View of field	35mm	38mm	45mm	48mm



**Fiber Optic Head Light** is adjustable and comfortable head light. It is incorporated with cushion that makes the patient feel comfortable with the device. It is very durable and accurate in spot selection of the eye.



KS-H8

Headlight can be used with your existing fiber-optic cable or endoscope cable

Premium quality dual adjustment headband

Ultra-light, high-quality, durable

Compatible with your current Halogen/Xenon/LED power source

Cable length: 2M  
Light facula: Adjustable  
Wearing: headband size adjustable.



It is widely used for medical examination and operations.

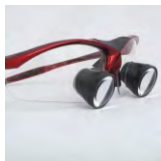
It is suitable for the Microsurgery, vascular surgery, neurosurgery, head surgery, hand surgery, orthopedic, dental and ENT operation and plastic surgery and so on.

The loupe can also use in precise operations, jewel machining and precision instruments and so on.

Through the lens binocular loupes with glasses

Designed for personal ergonomic comfort

An easy to use surgical loupe, just put it on and start working. No adjustments (\*personal IPD measurements needed during ordering)



Lightweight

High resolution  
precision lenses

Deep focus field



Maximm ease of use

Item	Magnification	Optical System	Working distance	Field of View	Viewing Angle	Weight with the frame
2.5/3.0/3.5X-S	2.5/3.0/3.5X	Compound Optics	280-380mm	90mm	Adjustable	28g
2.5/3.0/3.5X-R	2.5/3.0/3.5X	Compound Optics	360 - 460 mm	100mm	Adjustable	28g
2.5/3.0/3.5X-L	2.5/3.0/3.5X	Compound Optics	440- 540 mm	100mm	Adjustable	28g
2.5/3.0/3.5X-XL	2.5/3.0/3.5X	Compound Optics	500- 600 mm	110mm	Adjustable	28g

**LED120W**



**LED 60W**



Endoscopy with fiber cable



Light source: LED 60W / LED 120W  
Outlet: Single  
Power : 90V-240V±10V 50/60Hz  
Lamp life : 30000- 50000 hours  
Intensity control: 0 - 100 % illumination  
Color temperature : ≥5600K  
The adaptor: STORZ or WOLF for choice  
Size of box: 24x17x8 cm/ 24x23x11cm  
N.W:1.6kgs / 2.65

Application:

Medical lighting  
Inspect lamp  
Endoscope Light source  
Visual servo lighting

Lumens : 600lm  
Power: 5watt@1A  
Power supply: Li-ion 18650

**KS-LS105**





Video Capture of Surgical Procedure with a Full High-definition Wearable Camera

KS-FHD02

Integrated Design for Incredible Light & Medical loupes

Documentation of procedures

Teleconsultation in surgery

Transfers from operating rooms for teaching purposes



A new way to share dental/surgical information, document procedures, and ultimately improve patient care.

only 15g

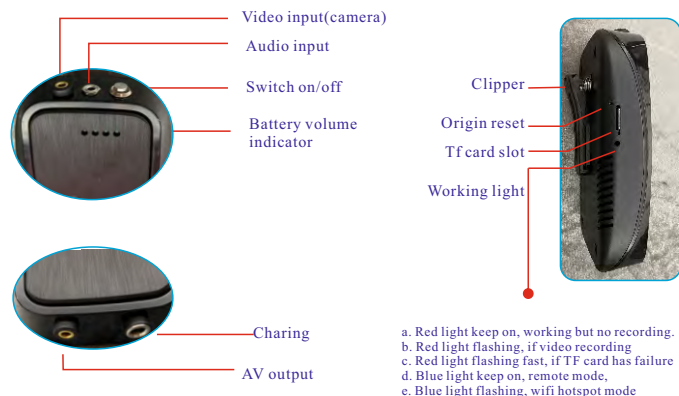


The device is highly integrated with lighting and camera system. The perfect ergonomic design ensures the most comfort to users.

The camera attaches to our current loupes or glasses with a universal clip, or to selected loupes with a special clamp. Other possibilities are headband and gooseneck mounts. Adaptable to most loupes on the market.

FULL HD Camera	Model	CAM-FHD02
	Image sensor	1/3" SONY IMX323 CMOS
	Resolution	1080P
	Diameter of len	14mm
	Focus of len	12mm or 16mm
	Effective pixel	2,000,000.00 pixel
	Resolution (video)	1080P@30FPS H.265 720P@60FPS H.265
	Exposure control	Auto
	Gain	Auto
	White balance control	Auto
	Dimension/N.W of camera	15mm(W)x 30mm(L) / 15g

### The better assistance for operation video recording



Control box

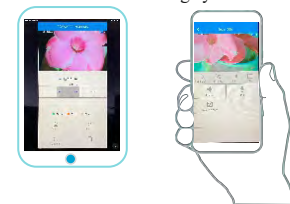
Resolution of recording	1920*1080 3000kbps/s or 1280* 720 1500kbps/s
Format of recording	AVI
WIFI	YES (connect with IOS,Android PHONE AND PC)
Storage	max 256GB TF card / PC
Capacity of battery	7.4v 2000mah
Recharging time of battery	2 hours
Work time of battery	> 4 hours
output ports	Video input, Audio input, AV output(transfer HDMI to monitor)
Dimension of box	140mm(L) x 80mm(W) x25mm (T)

Wearable camera KS-FHD02 integrated with medical headlight systems



HD Imaging for Clear View Wireless Control

Use cell phone or tablet devices to control the recording system



### Standard configuration

1. Wireless HD camera
2. Main control box
3. Micro-phn cable
4. Charger
5. Fixed circle for MC & Rheadlight
6. Audio/Video cable



It can also be option with recorder and mult-camera system for comparation and teaching in different angle. also can option to connect with one or more external monitor



The tiny camera is highly integrated with lighting and loupes

Our Easywell&Minston headlights set new standards in the field of premium headlights. They provide maximum wearing comfort, supply first-class light and feature outstandingly high-performance batteries



The camera attaches to your current loupes or glasses with a universal clip, or to selected loupes with a special clamp. Other possibilities are headband and gooseneck mounts.

#### Lighting Source for Easy Location

The light beam help locate the recording area, thus the lighting area is where the camera area is.

#### Extraordinary Lighting System for Every Detail

The innovative design for lighting system provides professional lighting conditions for operations and recordings.



#### Wireless Control, Easy to Use

Use cell phone or tablet devices to control the recording system without interrupting theoperation.

#### Reduce Risks in Remote Operations

It's easier for remote consultants to accurately guide surgeons when they have the surgeon's point-of-view.

#### Train Using Direct Point-of-View

Give your students the chance to learn by viewing the operation from the most relevant angle — the surgeon's point-of-view.