



## OXO 4K SPECIFICATION

### See your work from a new angle The Best Dental Camera Ever

With features never seen before in a dental camera, you'll want to incorporate your OXO 4K Camera into your everyday work, to capture every treatment. Upgrade your work and see it different!

### Your work in 4K

Professional quality made for you! Built with the Sony IMX377 image sensor and 4K lenses. Records 4K/30fps at 60mbps, 4x the quality of 1080p. OXO 4K Camera reaches high-end technology.

### Electronic Image Stabilization (EIS)

For the first time, 4K/30fps dental video supports EIS. Keep doing what you're doing and let the EIS take care of stabilizing your work.

Dental videos usually require post-production to reduce shakiness. With OXO 4K Camera, you can avoid extra time spent editing due to the camera's Electronic Image Stabilization (EIS) feature.

### Forget waiting with high speed Wi-Fi

Using 5GHz Wi-Fi your OXO 4K Camera can download at 50Mbps and seamlessly connect to your smartphone. Stop/start recording and take videos and still images up to 10 meters away from your OXO 4K Camera.



### Shoot like a pro with OXO App

OXO Cam App helps you to download videos and images and in lighting speed. It gives you a convenient preview and playback experience. Simple enough for beginners to use, but designed for professional output. You'll never have to struggle with a computer again!

## Keep Your Accessories

Combine your camera with its accessories and make your shooting go to the next level.

[See accesories online >](#)



## An ergonomic design with the best technology

Take your OXO 4K Camera into your everyday workflow. 38 gr of world leading imaging technology distributed on an ergonomic design. OXO 4K Camera design fits in your pocket and is ready for recording your work!

# FEATURES

### State of the Art Industrial Design

OXO 4K Camera packs many advanced technologies inside. It comes with an IMX377 12MP image sensor, 4K lens and much more. Your OXO 4K Camera can produce video and still images of the highest quality you can imagine.

Let OXO 4K Camera be your new work partner.

### 4K Video

Built with the Sony IMX377 image sensor and 4K lenses. Records 4K/30fps at 60mbps, 4x the quality of 1080p. OXO 4K Camera reaches high-end technology.

### EIS

Whatever your work is Electronic Image Stabilization (EIS) reduce motion blur and stabilize your videos without the use of any chair light or flexible arm mounting solution or post-production editing. Your videos will be stable and smooth

### 12Mp Photo

Take great 12MP photos thanks to our glass optical lenses combined with F8 aperture increases depth-of-field take to capture crisp and detailed footage at a working distance from 20 to 70 cm.

### Powerful and Intuitive User Interface

OXO Cam App provides advanced image quality settings for professionals, but keeps the interaction simple and intuitive, just like a smartphone.

With OXO 4K Camera there is no need to be plugged to a any device. OXO 4K Camera is wireless, fitting perfectly into everyday dental workflow in all practices. You won't need to interrupt your regular practice and you will keep focused on patients.



# Sony's IMX377 image sensor

## A Superb Image Sensor

Ensuring superb image quality requires a reliable image sensor. Every OXO 4K Camera has been built with a Sony IMX377 image sensor, which provides reliability and excellent image quality but consumes less power and also delivers better image quality at low light.

IMX377 sensor supports 2160 ultra-clear 4K video resolution and 12Mpx photo. It has 1.55um high sensitivity large sensor pixel size which helps produce bright images with clear details. OXO 4K Camera captures every moment of your work in clear 4K video resolution or 240fps.



## Lightweight and Ergonomic design

Powerful state-of-art technologies inside, lightweight and ergonomic design on the outside. With its optimized 35 gr weight distribution you will hardly notice that you have them on your loupes.

## Loupe

Attach the OXO 4K Camera to your loupes and start enjoying your work from an unobstructed point-of-view (POV) angle. No matter what loupes you use. Our different connects make it possible to mount the OXO 4K Camera on any loupes.

## Light

You can mount your OXO 4K Camera to most of dental lights. Use our Dental light adapter kit to attach the camera to your light and integrate your OXO 4K Camera into every operatory.

## Flexible Arm

Mounting the OXO 4K Camera to a flexible arm is an excellent option for filming in laboratories, universities and any other training centers. Use our Flexible Arm accessory to get more out of the education.

## Manual Image Quality parameters settings for advanced users

OXO 4K Camera allows you to manually set IQ parameters such as Exposure Value Compensation (EV), Level Sensitivity (ISO), Metering Mode, White Balance (WB) and more. Achieve your potential and create professional work.

## Safe Recording

With OXO 4K Camera you won't miss any great moment. With its safe recording function, OXO 4K Camera will create 5 minutes length video clips. Processing your videos will be much easier and in case the memory card becomes full or you run out of battery, your camera will have save all your work until the previously recorded footage.

## Digital Zoom

OXO 4K Camera allows you to capture stunning videos and high quality photography. With its 2x digital zoom you can be further away from patients when taking pictures, avoiding the intimate zone.



## Dual Microphones

With a 360° omni-directional built-in microphone and AAC, records stereo sound in 48kHz with dual microphones. Advanced audio coding can achieve better sound quality than MP3 at similar bit rates. You can capture 4K with high quality audio to match.

## A more comfortable experience for educators

Experience another level of video streaming with the OXO TV solution. Putting together our Wireless HDMI Kit and the Wireless HDMI Transmitter and Receiver Kit, you will be able to enjoy wireless video streaming. You can also do normal video streaming by connecting an HDMI cable directly from the camera to the TV.



## OXO LIGHT

### See and record every detail

Get the most out of your OXO 4K Camera with our portable LED headlight. OXO LED Light offers natural shadow-free light, which can be plugged directly to the battery of your OXO 4K Camera so no more cables are needed!

## Powerful balance

Its advanced LED technology produces 42.500 lux (WD 25 cm) at a colour temperature of 5.700 Kelvin (daylight) for up to 9 hours with full intensity, so you can use it for a full day

## Natural lighting

OXO LED Light uses white high-performance LEDs (5.700 Kelvin) for the most natural lighting possible. OXO LED lifespan is about 30.000 hours at a luminous flux of 70%, which translates to over 8 years clinically

## Shadow & Flicker Free

The engineered light housing illuminates 42.500 lux at a working distance of 25 cm, providing uniformly lit field of vision no matter which part of the oral cavity you look at. Its shadow-free illumination ensures to have clear and absolute details of the area under examination and its flicker-free design keeps the level of illumination constant for a flicker-free video result.

## Visual Comfort

Thanks to its LED dimmer, OXO LED Light is able to adjust the brightness for the proper lighting needed. Its pattern is consistent throughout, illuminating a square area of 70mm from a distance of 25 cm.

OXO LED Light is one of the lightest lights, weighting less than 8 grams to maximize comfort and one of the smallest lights, with a compact diameter of 16 mm to minimize obstruction.

## Enhanced Ergonomics

OXO LED Light is a portable headlight systems, which improves posture during procedures. You will be able to view and record patients with more details and clarity while staying at an optimal distance.



## Powerful Efficient System

Using lithium polymer technology, its battery pack is rechargeable and provides over 9hrs of life at constant brightness. A low-battery indicator will show you when the battery needs to be charged. It will take 6 hours to charge from zero to full.

## Technical Specifications

### Optical data

LED type - White high-performance LED (3Watts)

Colour Temperature - 5,700 Kelvin

Typical luminous flux - 42,500 lux (WD 250mm)

Typical illumination diameter - 70mm (WD 250mm)

Average LED life cycle - 30,000 hours (luminous flux at 70% of the maximum)

### Electrical data

Operating voltage / current - 3.3V /550mA

Power consumption - Max. 1.8Watts

LED dimming - Push-button switch (25%, 50%,75%,100% Level)

### Battery

Battery Capacity - 5V 5.700mAh

Battery Life - 9h-16h

Charging time/Full charge - 6h

### Temperature

Cooling - Passive

Temperature Control - High temperature cut-out

### Cable

Type - Hyper flex

Length -1.5 m

### Accessories

Cure filter, cable management clip, loupes universal clip

### Dimensions

LED illumination device (D x W x H) - Ø 16mm x 18mm

Weight - 7.7g (w/o cable)

### Operating conditions

Ambient temperature - 0°C~40°C

Relative humidity - 85% max.

# OXO ACCESORIES



## OXO Light

Get the most out of your OXO 4K Camera with our portable LED headlight. OXO Light offers neutral white ( $\leq 5,000$  to  $\leq 6,500$  Kelvin) shadow-free light, which can be plugged directly to the battery of your OXO 4K Camera so no more cables are needed!

## OXO Pedal

With our rechargeable Wireless pedal you don't need to touch the camera during operation. With its fast and silent response you can easily record videos and take pictures by simply stepping on the pedal!

## OXO Power

There is nothing like not being able to capture a great moment because you ran out of battery. With our easily interchangeable Extra battery you won't miss any moment!

## 16mm Lens

Our 16mm lens offers a greater angle of view (AOV) and a greater depth of field allowing you to wide your AOV. The 16mm OXO Lens can depict at your normal working distance the patient's full mouth or a whole quadrant also

## Lamp Kit

Use the OXO Lamp adapter kit to attach the camera to your lamp and integrate your OXO 4K Camera into every operatory. You can mount your OXO 4K Camera to most of dental lamps.

## Wireless HDMI Kit

Use the OXO TV Solution to enjoy wireless video streaming on a TV. Putting together our Wireless HDMI Kit and our recommended HDMI transmitter and receiver, you will be able to watch your videos on a TV

[oxotechnology.com](http://oxotechnology.com)

[www.akura-medical.com](http://www.akura-medical.com)

[oxo@akura-medical.com](mailto:oxo@akura-medical.com)

phone +34 917 375 811