



G.COMM



our focus



your work



# Iris VIEW

## your eyes

At Gcomm we believe that quality of work is strictly correlated to the possibility of perceiving the smallest details in the area of operation. Out of this belief comes Iris View, a dental lamp with a built-in **Full HD** video camera. Iris View is an **innovative** product because it allows enlarging and viewing of the operating area, filming and recording of the operation and setting the functions from an iPad. All of this is possible without the need to change the way you work or long learning periods.

Iris View is a **unique** product because it is a dental lamp with optics that are designed to guarantee optimum illumination of the oral cavity. The integration of a video camera makes it a complete visual instrument, conceived for dentistry and all of its needs. Iris View is a **responsible** product because it gives your eyes the light they deserve and treats your well being with the importance it demands.

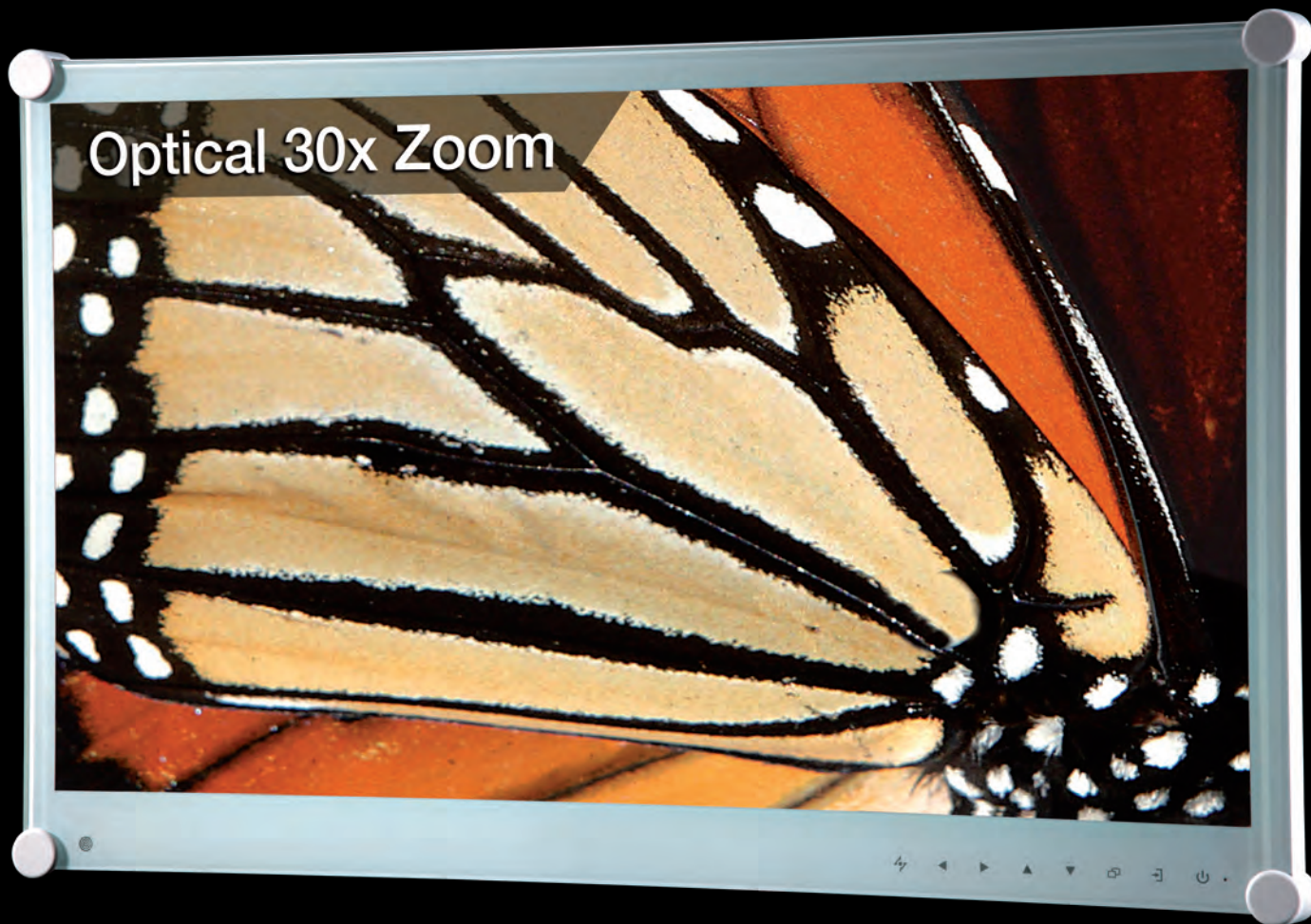












## The detail that makes the difference

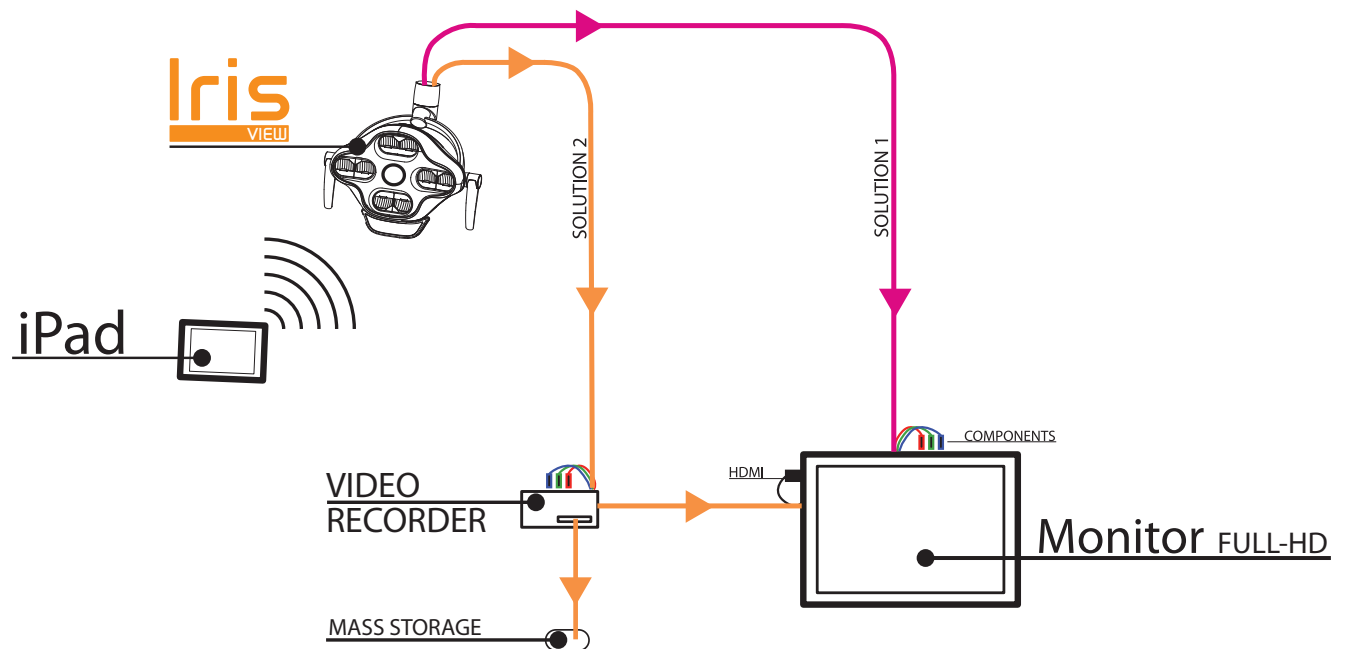
In dentistry having control over the details makes the difference and adds quality to your work. Iris View is equipped with a **Full HD** resolution (1920x1080px) video camera with Autofocus, which allows you to view the operating area with a **30x optical Zoom**.

The potential of this instrument as applied to the dental medical field is significant: viewing a detailed image of the operating area, highlighting the details which are difficult to see with the naked eye, amplifying the visual capabilities of the professional and relieving eye-strain, leading to important progress in work methods.

Thanks to the controls on the light and the *My Light App*, the recorded images can be managed based on the needs of your work. The central position of the lens and the alignment of the illuminated axis with the optical axis guarantees optimum filming.

# record, document, share

The development of dental practices, increasingly computerised, creates the need for an exchange of information and multimedia documents to be catalogued and preserved. Iris View offers the opportunity to record and transmit the operations in high definition. Moreover the video signal allows the connection to a wide range of devices. The possibility of recording and viewing operations is quite useful in various scientific contexts such as conferences, conventions and university lectures.







## the importance of communication

The use of a video camera facilitates and improves communication both with the patient and with specialised personnel. In the diagnosis phase diseases can be clearly shown on the monitor, making comprehension of the problem simple and immediate. During the operating phase specialised personnel can follow the evolution of the operation in real time and at the end the results of the work done can be assessed.



## maximum **light** quality

Gcomm continues with its philosophy of striving for maximum lighting quality, keeping alive the concept of adapting the light parameters based on the needs of the professional, as well as the specific type of treatment.

This is possible thanks to the regulation of the brightness intensity from 8000 to 35000 lux, the regulation of the colour temperature between 4200 and 6000 Kelvin and a high colour rendering index (CRI), fundamental in surgical treatments because it emphasises the contrast between the soft tissues. These various settings can be selected from a convenient keypad that has 3 preset programmes:



### **Anti-polymerisation mode**

3000 K, minimises blue emission, reducing the compound curing speed;



### **Surgical treatment**

4500 K, optimises the colour contrast on the soft tissues, better distinguishing the shades of the gums, blood and periodontium;



### **Colour capture**

5500 K, creates a combination of cool and warm LEDs that maximises the colour rendering index, facilitating the dentist's choices during tooth replacement operations.

because we care about **your eyes**







# My light for iPad

Iris View can be managed through **iPad** application (that can be downloaded from App Store) for complete Wi-Fi management of all the lamp's features.





User management and personal parameters



Energy consumption

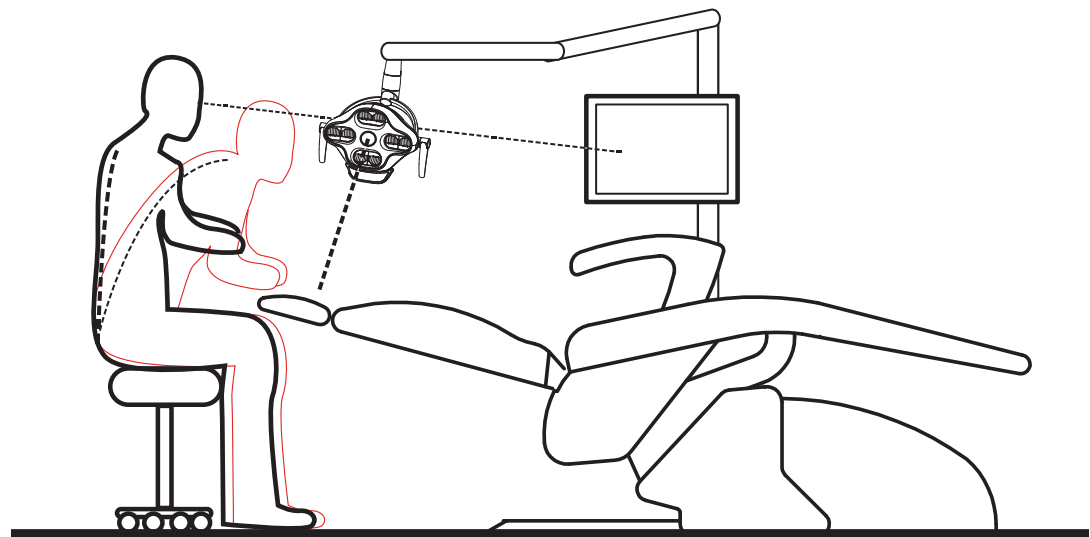


Time session

*My Light* manages the brightness parameters of the lamp, varying brightness intensity **1** and colour temperature **2** simply by sliding two cursors. The polymerisation, surgery and colour matching buttons **3** set the lamp to one of the three preset programmes, whereas the video camera is adjusted using the zoom cursor **4** and the freeze, reverse and flip buttons **5**

# more ergonomic less stress

Iris View improves well being in your daily work activities. The use of the monitor lets you work in complete comfort because the operating area can be observed in indirect vision. Therefore the dentist is not forced to maintain an incorrect posture bent over the patient, but can operate sitting upright, thereby reducing stress on the spinal column and consequently decreasing the risk of professional ailments such as cervical problems, lumbar trouble and orthopaedic diseases due to incorrect postures which are typically assumed during treatments.









## why Iris View?

Iris View represents a new dental lamp concept. It is not simply a device that provides optimum lighting in the operating field, but it is a tool capable of highlighting a detail with an image quality such to operate more easily in those branches of dentistry that require greater operating precision. Endodontics, periodontology, implantology, aesthetics and restoration and conservative treatments are all ideal fields of application for Iris View.



aesthetic



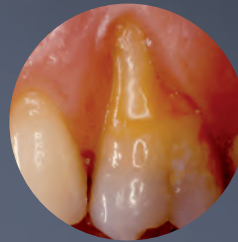
endodontics



implantology



periodontology



conservative



restoration



## Lamp

|                                            |                            |
|--------------------------------------------|----------------------------|
| Supply voltage:                            | 12 - 24 Vac 50-60 Hz       |
| Maximum power absorbed:                    | 50 VA                      |
| Max. absorbed current:                     | 3 A                        |
| Illuminated spot dimension:                | Approx. 70 x 140 mm        |
| Brightness intensity (5 adjustable steps): | from 8000 lux to 35000 lux |
| Colour temperature (5 adjustable steps):   | from 4200 K to 6000 K      |
| Focal length:                              | 70 cm                      |
| CRI (colour rendering index):              | > 90%                      |
| Light source:                              | 8 LEDs                     |
| Emission spectrum:                         | 380 – 780 nm               |

## Camera

|                     |                                                                                     |
|---------------------|-------------------------------------------------------------------------------------|
| Sensor:             | 1/2.8" CMOS                                                                         |
| Resolution:         | 1920 x 1080px (Full HD)                                                             |
| Zoom:               | 30x optical                                                                         |
| Working distance:   | from 35 cm to 80 cm                                                                 |
| Zoom speed:         | from wide to full zoom (with autofocus) in 4.6s                                     |
| Video output:       | Y/Pb/Pr signal, progressive or interlaced, scan up to 1/60s, Frame out up to 30 fps |
| White balance:      | automatic from 3000K to 7500K                                                       |
| Brightness balance: | automatic with Wide Dynamic Range mode                                              |
| Image stabiliser:   | 90% vibration correction up to 10Hz                                                 |







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