

# my RAY OF SOLUTIONS



The images and technical specifications shown in this catalog are for indicative purposes only.  
As part of ongoing technological updates, technical specifications may be subject to changes without prior notice.  
In accordance with current regulations, in non-EU areas some products, as well as certain technical specifications, may have different availability and configurations.  
We encourage you to always contact your local distributor for up-to-date technical specifications, availability and configurations.

MCHDGB251S00

11/2025

## BU MEDICAL EQUIPMENT

### SEDE LEGALE ED AMMINISTRATIVA HEADQUARTERS

**Cefla s.c.**

Via Selice Provinciale, 23/a - 40026 Imola - BO (Italy)  
tel. +39 0542 653111 - fax +39 0542 653344

### STABILIMENTO PLANT

Via Bicocca, 14/c - 40026 Imola - BO (Italy)  
tel. +39 0542 653441 - fax +39 0542 653555

### CEFLA NORTH AMERICA

6125 Harris Technology Blvd. Charlotte, NC 28269 - U.S.A.  
Toll Free: (+1) 800.416.3078 Fax: (+1) 704.631.4609

**C-U2**

# C-U2, JUST RIGHT FOR ME!

Portable, simple, fast: high definition and technological reliability, as part of a miniature revolution. C-U2 becomes your new method of working, communicating, imagining.



## FOCUS-FREE

It does not require manual adjustments, thanks to the wide 5 to 70 mm depth of field; images always in focus. Maximum simplicity, perfect images.

## MULTIFUNCTION BUTTON WITH DYNAMIC ZOOM CONTROL

Image zoom, scroll and acquisition free from vibrations. The simplicity of a trackpad in just one button.

## ERGONOMIC TIP

9.5 mm thick, retroflex optics 8 mm away from the tip, 90° field of view. Wide view for every need. Unmatchable flexibility, at any moment.

## HD OPTICAL SYSTEM

A high definition 16:9 sensor and a precision optical system combine to give rise to a new, increasingly efficient communication.



## LET'S SEE

**Reality has never been so clear. High definition details and innovative design for maximum comfort. C-U2: the perfection of a complete high definition examination.**

- HD sensor (16:9)
- 8 powerful LED's with optical diffuser
- Optical group with 7 high purity glass lenses, F/8
- 50x enlargement - 100x with Macro Cap\*
- Direct Digital USB Technology

It shows the patient, in real time, images and footages for the sake of direct and effective communication. Precise, sharp and clear, only C-U2 offers you clear and contrasted images under all circumstances. It shows the aesthetic aspect of a smile or a single tooth with maximum high resolution. The best.

**IMAGINE.** Professional optical system and uniform field of view, distortion-free. Thanks to the F/8 lens aperture and the innovative **HD** sensor, you get homogeneous lights and natural colours. Under all circumstances.

**MOVE.** Multifunction button and automatic Focus-Free adjustments: view, browse, enlarge, save. The flexibility of a trackpad in just one button and automatic parameters for maximum comfort, with maximum results. The diffuse 360° back-lighting visualizes the state of the handpiece under any condition of use.

**SHARE.** Communication with the patient has never been so simple: view, share, inform. All in one click. Store and process images on the PC thanks to iRYS, the latest-generation MyRay software platform. View captured images on the iPad immediately and share your diagnoses with ease.

### HD VISION

The new frontier of high definition. Yours.

C-U2 is innovative because it offers very high quality images and is easy to use. Maximized field of view, 7 glass lenses, diffused illumination with 8 LED's and a last generation 16:9 sensor. Excellence at your service, at any moment. And to ensure you don't miss a single detail, application of the Macro Cap\*, which incorporates another two glass lenses, instantly provides you with 100x magnification.



### PLUG & PLAY

Digital video system incorporated in the handpiece for complete flexibility and perfect freeze-frames. The camera can be moved easily among various workstations. iCapture software features automatic switch on/off, live video feed and a freeze frame function. As simple as imagining.



### FREE TO IMAGE

Perfect under all circumstances: thin tip (9.5 mm) with optics boasting a wide field of view (90°), partially retroflected for the sake of very comfortable intraoral investigations. Nimble and precise, with a distance of only 8 mm between the centre of the optics and the end of the handpiece. The innovative multifunction button ensures maximum freedom and ease of use.



### SECURE CONNECT

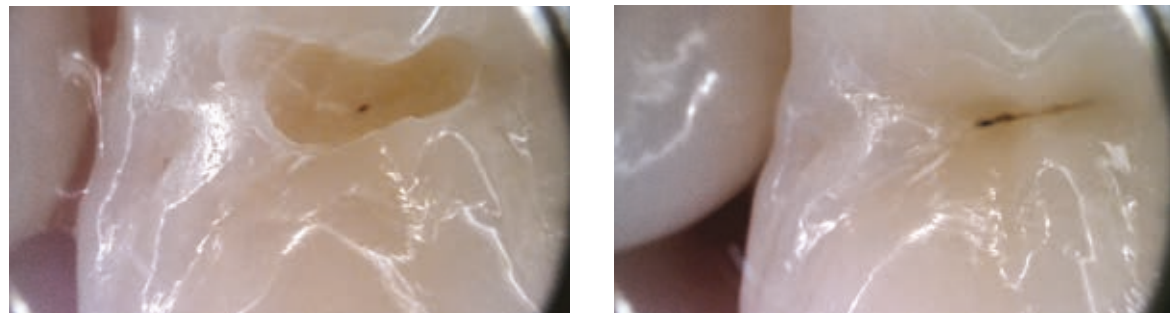
A connector reinforced with stainless steel and the flexible USB cable make the hand piece nimble and safe to use under all circumstances.

C-U2 quickly connects to your laptop and is easy to use, thereby always offering you the best results in the shortest time possible. Full examinations, maximum reliability and flexibility, perfect results.



Exceptional depth of field simplifies multi-purpose usage of the camera, allowing users to frame a face or smile or zoom in on a single tooth; moreover, the Macro Cap allows magnification of up to 100x.

- Depth of field 1-70 mm
- Magnifications of up to 100x
- Super HD detail



5 mm      Macro Cap -1 mm

6

| IMAGES                    |                                                          |
|---------------------------|----------------------------------------------------------|
| Type                      | Intraoral, Extraoral, Macro (Video footage; Still image) |
| Focal depth               | 1-5 (Macro Cap); 5 - 70 mm                               |
| Visual angle              | 90° (diagonal)                                           |
| Optical system            | 7 + 3 (Macro Cap) High purity glass lenses, F/8          |
| Illumination              | Homogeneous with 8 LED's with adjustable intensity       |
| Frame rate                | 30 frame/sec.                                            |
| Digital sensor            | HD CMOS, Progressive Scan                                |
| Resolution                | 1280 x 720                                               |
| Image format, video       | 16 : 9 Native                                            |
| Enlargement (monitor 22") | 100x (Macro Cap); 50x (Intraoral);                       |
| Maximum definition        | 10µm (Macro Cap); 20µm (Intraoral);                      |

| ERGONOMICS             |                      |
|------------------------|----------------------|
| Size of distal section | 9.5 mm (0.37 inches) |
| Length of hand piece   | 205 mm (8.07 inches) |
| Weight of hand piece   | 65 grams (2.3 ounce) |
| Retroflexion           | Yes (95°)            |
| Handle and connector   | Stainless steel      |

| CONNECTION          |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Software            | MyRay iRys for PC, iRys Mobile for iPad                                  |
| Supported protocols | TWAIN, VDDS                                                              |
| Length of USB cable | 1.8 m (16.40 feet); Can be extended to 5 m (16.40 feet) with USB-fed HUB |
| PC / MAC            | Video and freeze frame (without driver)                                  |
| Gates               | USB 2.0 Hi-Speed and USB 3.0                                             |
| USB foot pedal      | For freeze-frame, saving (compatible)                                    |
| Power source        | 5VDC - 500mA (USB)                                                       |

| SYSTEM'S MINIMUM REQUIREMENTS |                                                                             |
|-------------------------------|-----------------------------------------------------------------------------|
| Operating system              | Microsoft® Windows® 10 Professional 64 bit<br>Apple® Mac OS X 10.5 Leopard* |
| Processor                     | 1.0 GHz or higher                                                           |
| Memory                        | 512 MB RAM                                                                  |
| Display resolution            | 1280 x 720 at 32 bit true colour                                            |
| Graphic card                  | DirectX 9.0 compatible                                                      |

\*video feed only