



BONIDA DUAL

Alpha

Differentiated Technology Innovative in Oral Cameras

Smart HD Highest Resolution Intra-oral Camera.
From the Macro Features thru to the Ruler Measurement Mode.



LENS TYPE Variable focus Liquid LENS
LENS FOCUS Trigger Auto Focus
IMAGE SENSOR HD 720p CMOS Video Image Sensor

More Streamlined & Lighter!

Dual Oral Camera with HD Quality

The World's First Dual Oral Camera System
The World's First Intraoral Camera with Measuring tool

We are pleased to introduce our new Intra-oral camera with HD Quality, Bonida Dual Alpha with more simple and easier control.

This is the world's first intra-oral camera with dual camera system. Existing intra-oral cameras only show images at short distances in the mouth. A digital camera is required for taking pictures for use in orthodontics, general dentistry, education and cosmetics. The Bonida Dual Alpha is an innovative camera that provides both Intra-oral and extra-oral Images with a high resolution ideal for dental check-ups and patient communication.

Patent No : 10-1461564 [Dual Cameras System]



DUAL LENS



AUTO-FOCUS



EASY CAPTURE



POWER SLEEP



RULER MEASURING



USB CONNECT

* Power sleep mode

Sleep mode will be operated if user does not press any buttons for ten minutes.

Intra-oral Camera Section

Extra-oral Camera Section



Extra Camera Protect Slide Cover

Automatically switches from intra-oral camera to extra-oral camera by sensing whether the slide cover is open or closed. The slide cover is designed to protect the Extra camera's lens when not in use.



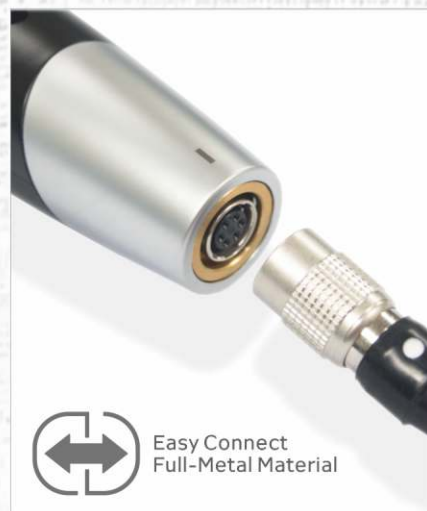
Camera Status Display

It is easy to check the current state of the camera by the color of LED lamp surrounding the focus button (Amber color and Green color) while connecting a USB port.



One Touch Full-Metal Connector

Easy to connect and disconnect and built from full-metal so it is more shock-resistant. It has a high-end appearance.



BONIDA DUAL Alpha

Differentiated Technology & Innovative in Oral Camera



Variable focus
Liquid LENS

Fast Auto-Focus Trigger type

Bonida Dual Alpha is equipped with a liquid lens which has a similar structure to the lens of the eye. With the press of a single button, you can easily experience Auto-Focusing and Macro-Focusing at the point you want.

Wide Focus Range

We adopted and developed the Dual camera system - the first in the world which can provide you with a wide focus range which other intra-oral cameras never had before. You can utilize it in various ways when you consult with your patient.



HD 720p Resolution & Fast Frame Rate

Outputs high resolution of HD 720p with high speed of 30 frame rate so the live images are clear and vivid without any image delay.



Both Sides
Image Capture Btn

There is a capture button on the right and one on the left for both hands.

Easy Ruler measurement mode

Bonida Dual Alpha offers a ruler measurement mode. If you press and hold the capture button for 3 seconds, a cross hatch ruler appears on the screen and the ratio of measurement varies depending on the distance between the camera and image to be taken.

* Measurement mode is only available on the Intra-oral camera and the measurement is for reference only.



BONIDA
DUAL
Alpha



Outputs high
Resolution
of HD 720p



System Specifications Requirements

OS	Windows 7 Professional with sp1 or more
CPU	Dual Core 1.5GHz or more
Memory	1 GB or more
Resolution	1280 x 720 or more
Interface	USB 2.0
Etc.	Internet Connection Image Software

Technical Specification

Image sensor	HD 720p CMOS Video image sensor
Output Resolution Image transfer rate	MJPG 1280 x 720 (30fps)
LENS	Variable focus Liquid LENS
Focus Type	Trigger Auto Focus
Focus Range	Intra-oral : 5mm~45mm (± 10%) Measuring Ruler : 5mm~30mm (± 6%) Extra-oral : 17mm~123mm (± 20%)
FOV(Diagonal)	64.00 Deg (± 3%)
LED Light Source	Intra-oral: 15ea White chip LED Extra-oral: 10ea White chip LED
Capture system	Hand-piece dual side capture
Camera connector	One touch Full-metal connector
Interface & Power	PC USB 2.0 DC 5V / Max 500mA
Weight	Bonida Dual Alpha: 64g Cradle: 42g

Product Components

- Bonida Dual Alpha
- Camera Cradle
- Protect Sheath
- USB Camera Cable 5m
- Fixing Cradle Screw
- User Manual

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