

Medicine Wing Establishment

Trade and maintenance of medical devices



HDR100/200



Intraoral X-Ray Sensor



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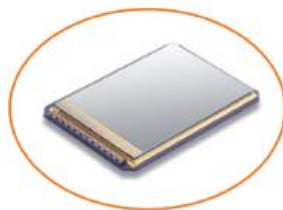
HDR200/100 Dental Digital X-ray Sensor

Efficiency - is one of validation criteria in pursuing course . High efficiency is our standard as well as the aim of doctors .High efficiency must be high yield.

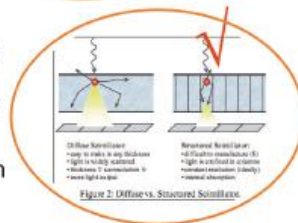
Digital x-ray system substantially reduces the time of taking picture for dentists, avoids complicated film development course .Imaging software greatly increases the efficiency of image management for dentists . Taking picture at fastest speed , guarding image at safest status .

In future medical information society ,everyone's medical information would be transferred in internet at digital form . We try our best to explore such information society .

New **APS CMOS sensor** .
Applying in aerospace industry .
Low power consumption .
long life time(400,000 times) .



An excellent sensor should have a good **scintillator**, which enhances the x-ray conversion efficiency and improves light transmission ability. Scintillator is the guarantee of images of low noise and an essential part of high quality image



High identify ability of details and Low x-ray dose, no matter to dentist or patient .

22lp/mm, meet the requirement of high definition images with high gray scale to detect tiny flaws and early diagnosis for internal tooth top infection .



High efficiency = Immediate effect

Time is money! Time is life! Fast acquiring result is very important in diagnose. Only within few seconds, the x-ray image will show on the monitor .

Multi-user solution

The ideal of <HDR for Windows > management system is for providing multiuser solution, sharing information of data center. Plug and play connector make it available for sensor to transfer from rooms to rooms.

Powerful imaging management system

Powerful multi-functional imaging software <HDR for window> maximum supports

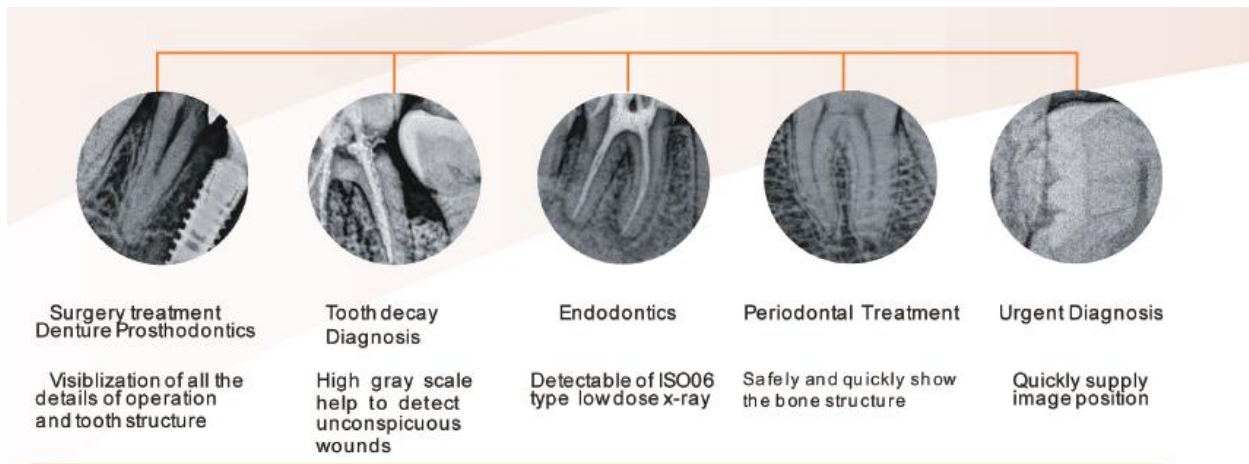
Successful application and development of CT imaging software make it possible to show early infection

16 bits image precess



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Technology and Service

Handy—Not limited for quality ,dedicate to dental digital solution

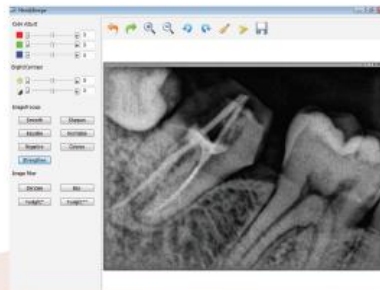
- * With international aeronautics & astronautics remote sensing technology ,to ensure excellent quality
- * 12months quality assurance , favorable exchange service
- * HDR for windows imaging software , adjust image automatically .

Sensor Information

	SIZE 2	SIZE 1
Overall sensor size (L x W):	44 x 32 mm	40 x 26 mm
Sensor Thicknes	<6m	<6mm
Active Area (L x W):	1600 x 1200 (1.9M)	1450 x 910 (1.3M)
Total Pixels (L x W):	1604 x 1208	1454 x 918
Intrinsic Resolution:	22 lp/mm (22.6)	
Dynamic Rang:	4096	4096
Cable Lengt:	2M (USB cable :2.5M 13M 15M)	

DS- Controller Data

Overall size (L x W x H):	92 x 66 x 28 mm
PC Interface:	USB 2.0 (full speed)
Supply Voltage (via USB):	5.0 V (4.25 V min.)
Supply Current (via USB):	500 mA max.
Digitization:	12 bits per pixel
Pixel Data Rate:	2 Mhz
Image Transfer Time:	3-4 seconds



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