









Advantages of dental imaging

- State-of-the art technology
- Elimination of films, chemicals, developer and related cost of consumables and waste disposal
- Dose reduction to the patient (extended X-ray tube lifetime)
- Real time image acquisition : no waiting time for film processing
- Image processing possibility
- Reduction/elimination of retakes, thanks to the post processing compensation of exposure errors



Advantages of Dental Imaging

- Integration between different images modalities (Intraoral sensor, camera)
- Integrated management of patient info
- Elimination of films (hundreds of images can be stored in one CD)
- Possibility to easily share images via e-mail, CD, or other media





- State-of-the-art CCD sensor with CsI (Cesium lodide) layer
- The CsI layer (scintillator screen) gives a better dose reduction compared to sensors with « Gadox » or « Lanex » used by most competitors
- Total image matrix (Pan): 3072x5610x12bit
- Useful image size (PAN): 147x300 mm
- Real time image display
- Better diagnosis value compared to film



Compact Flash card

- The digital sensor cassette includes a Compact Flash card slot that allows acquiring images even WITHOUT a PC.
- Once the image is acquired and stored on the CF, it can be up loaded to any PC
- The CF card are used in consumer digital cameras and are widely available on the market in different sizes, up to 1 GByte









USB 2.0 Connection

- The new USB 2.0 interface connection allows high data transfer rate (up to 480Mbs) between the unit and the PC.
- This translates in real time image display during the acquisition. The image is displayed during rotation



USB 2.0 connection

- The panoramic unit is connected to the PC via a simple USB cable.
- There is no need to insert dedicated PCI boards inside the PC
- This means that the system can be connected to any PC (having a USB port)



Software integration

- The exposure parameters and all the pre-exam steps can be selected from the PC
- All exposure settings are stored into the patient file for easy and thoroughly retrieval



Image post processing

- A large number of post-processing features help you to get the best diagnosis value out of each exam.
 - Filters
 - Magnyfiers
 - Contrast, brightness,
 - Gamma
 - Automatic contrast enhancement
 - Positive/negative inversion
 - printing





-Examination programs

PACKAGE	Programs	Disponibility
STANDARD	Adult panoramic	yes
	Child panoramic	yes
ТМЈ	TMJ Lateral open mouth / close	yes
SINUS	Maxillary sinus P-A	yes



Anatomical programs

According to the anatomical program selected, the system automatically calculates :

- Optimal kV Value
- Optimal exposure time











Panoramic Adult Exposure time : 17 s





TMJ L-L open/close mouth

4 images are taken on the same film Each condyle is X-rayed with open and closed mouth to study the dynamics of the movement



Maxillary Sinus P-A



Layer



Pr

Projection





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