Specification

Items	Value	Unit
Pixel Size	18.5x18.5	μm
Image Pixel	1204x1612	pixels
Active Pixel Array	1200x1600	pixels
Active Area	22.2x29.6	mm
ADC	12、14、16	bit
Shutter Type	Rolling shutter and global reset	
Dynamic Range	70~93.1	dB
True Line Pair Resolution	12~14	lp/mm
Dark Current @25℃	900	e-/sec
Full Well	3600	ke-
Data Output	USB2.0	
Power	350	mW
Chip type	APS COMS	
Substrate	Aluminium Oxide Ceramics	
Operative Temperature	0~40	℃

Remarks：

1、Full Well: It is the largest range that the current chip can support

2、Data Output: X5000 is with USB2.0 output

3、Frame Rate: Different frame rate outputs can be chosen for different applications. X5000 can support 1f/s and 2.5f/s

4、ESD: X5000 has 8kV anti-static capability

Product Dimension (unit: mm)
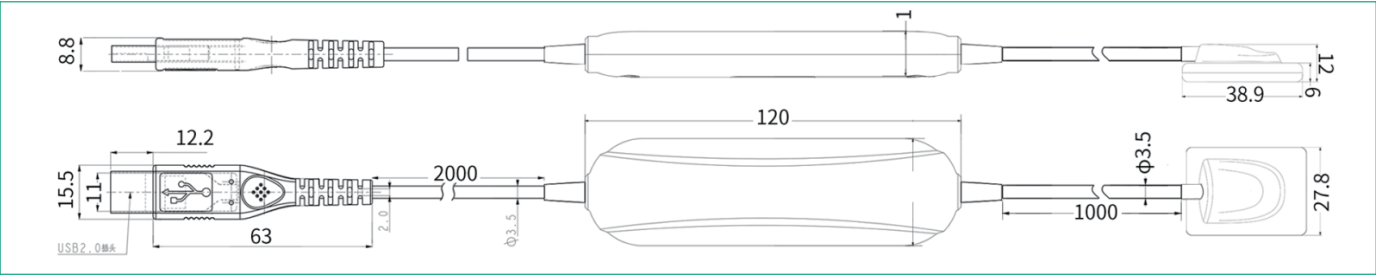
RWD Life Science Co.,Ltd

Add: 19-20/F, Building 7A, Shenzhen International Innovation Valley, Dashi 1st Road, Nanshan District, Shenzhen, Guangdong, P.R. China   **Enquiries:** market@rwdstco.com

RWD Life Science Inc.

Add: 850 New Burton Road, Suite 201, Dover, DE 19904 (New Office)

Tel: (858)900-5879   **E-mail:** service@rwdls.com

RWD

Veterinary Dental X-ray

Using the international advanced technology, efficient integrated design

Microcomputer intelligent control, not only remote controlled exposure

HD Micro focus technology, much more clear image

More powerful function of low voltage alarm and high voltage protection

Can use lightroom dental film, imaging in one minute

High heat capacity tube to meet uninterrupted exposure shooting needs

RWD Vet Anesthesia，Easy & Safe

D-X8V Mobile Veterinary Dental X-ray

D-X8V Specifications

Power supply	220V±10%,50HZ,1 KVA
Tube voltage	70KV
Tube current	8mA
Focus size	1.5mm
Total filtration	2.5mmAL
Exposure time	0.2-4s
Leak rad1ation	outside one meter 0.002Mg/h(national standard:0.25Mg/h)
Package size	144 x 50 x 27(cm)
Net weight	50kg
Intraoral digital imaging system is optional	

D-X2V Portable Veterinary Dental X-ray

- Small size. light weight. portable
- With memory storage function, only one exposure can permanently memorize the exposure parameters
- 0.4mm * 0.4mm dual focus configuration, which makes the image clearer and the diagnosis more accurate
- High-frequency power supply•Low radiation•Good-looking appearance
- Can use lightroom dental film, imaging in one minute
- Backlit LCD screen design
- Intraoral digital imaging system is optional

Optional

D-X2V Specifications

Tube voltage:	60KV
Focus size	0.4mm*0.4mm
Exposure time	0.2-3.2s
Battery	14 8V 6600mAh
Focal spot to skin distance	140mm
Package size	280 x 270 x 250mm
Tube curren：	2mA
Frequenc	300KHz
Charge voltage	AC1OOV-240V 50/60Hz
Leak radiation	Outside one meter≤0.002mGy/h
Net weight	2.6kg
Gross weight	5.0kg

X5000 CMOS Image Sensor For X-Ray

X5000 apply to X-ray digital image acquisition for human dental,veterinary dental and industrial NDT. The CMOS sensor chip is with 18.5 X 18.5 μm pixel size and totally 1.92 Mega pixels (1600 X1200), coupled with 6μm FOP to improve the image resolution and to prevent the X ray radiation for the CMOS chip and peripheral circuit so as to extend the product life. The HR GOS scintillator used is effectively balance the output sensitivity and the resolution. X5000 has USB readout circuit and corresponding cable .

Parameters

Pixel Size: 18.5Xl8.5µm

True Line Pair Resolution: 12~ 14lp/mm

Total Active Pixels: 1600X1200 pixels

Frame Rate Options: 1f/s, 2.5f/s

Digital Bit Options: 12-bit、14-bit, 16-bit

ID number writable in chip

Alone pixel trigger region and independent output

USB2.0 output

Platform Drive: Windows\MAC\Linux

Software for different applications is available and can be customized

Applications

lntraoral digital X-ray diagnose