YL Digital Intra-oral Sensor

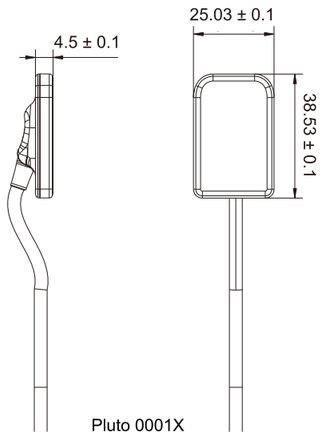
Digital Intra-oral Sensor

Technical Specifications

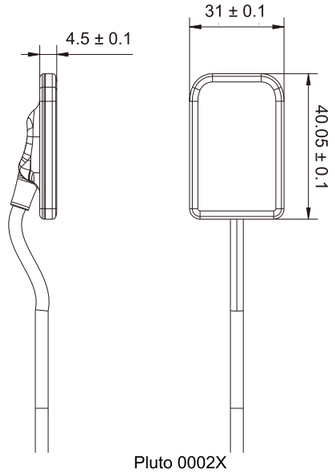
Products	Pluto 0001X	Pluto 0002X
Mechanical Dimensions (mm³)	25.0 × 38.5 × 4.5 20	31.0 × 40.0 × 4.5 26 ×
Active Area (mm²)	× 30	36
Pixel Matrix	(1.5 M) 1000 × 1500	(2.34 M) 1300 × 1800
Color	■ ■	
Sensor Technology Scintillator	APS CMOS	
Length of Cable (m)	Directly deposited CsI:Tl	
Pixel Pitch (μm)	Standard 3m / Option 5m	
	20	
Spatial Resolution (lp/mm)	Theoretical: 25 lp/mm Actual: 14 ~ 16 lp/mm (High Sensitivity) 18 ~ 20 lp/mm (High Resolution)	
Gray Level	16 bit, 65535 grade	
Exposure Mode	Smart AED	
Ingress Protection	IP68 for Soak disinfection	
Additional	Support TWAIN protocol	
Operation System	Windows 7 and above, 32 / 64 bit	

Dimensions

Unit: mm



Pluto 0001X



Pluto 0002X

Sensor Size1 / Size2

APS CMOS technology

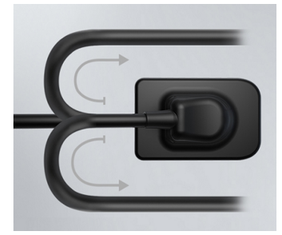
Smart AED-Compatible for variety X-Ray sources

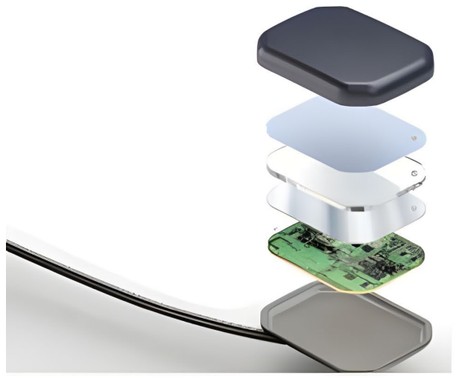
Direct deposition CSI - Lower dose imaging USB

2.0 direct connection

Slim, rounded corner and thumb position

IP68 High reliability





How did we create such a high quality sensor?

- New image processing algorithm applied
- Well balanced imaging factors – resolution, sensitivity
- CMOS design to viewer software

Enhanced Durability Through Cable Strain Relief

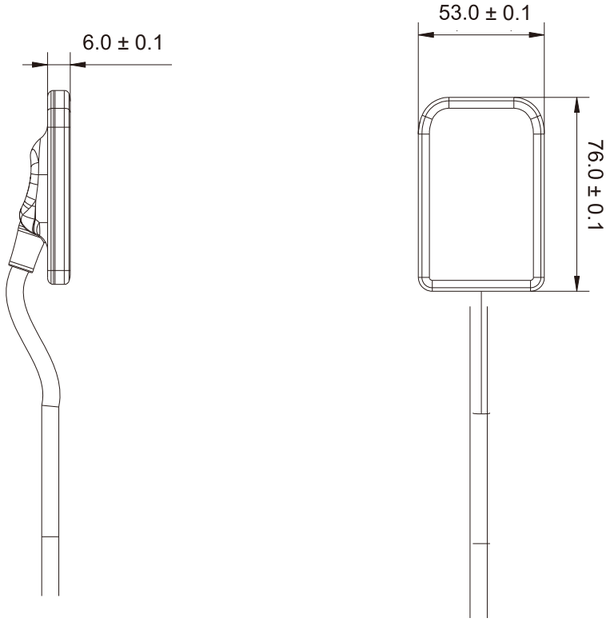
- Sensor is designed to prevent any kind of damages in its everyday use. Based on actual usage, our durability test includes bending up, down, left, right side and bending up to four times.

Technical Specifications

Products	**No.4 Size**
Mechanical Dimensions (mm³)	53× 76× 14
Active Area (mm²)	46.7×67.3
Pixel Matrix	(1.5 M) 1000 × 1500
Color	■
Sensor Technology	APS CMOS
Scintillator	Directly deposited CsI:TI
Length of Cable (m)	Standard 3m
Pixel Pitch (μm)	18.5
Spatial Resolution (lp/mm)	Theoretical: 27 lp/mm GOS ≥10lp/mm CsI ≥14lp/mm
Gray Level	16 bit
Exposure Mode	Smart AED
Ingress Protection	IP68 for Soak disinfection
Additional	Support TWAIN protocol
Operation System	Windows 7 and above, 32 / 64 bit,USB2.0

Dimensions

Unit: mm



Digital Intra-oral Sensor No.4 Size

| APS CMOS technology

| Smart AED-Compatible for variety X-Ray sources

| Direct deposition CSI - Lower dose imaging

| USB 2.0 direct connection

| Slim, rounded corner and thumb position

| IP68 - High reliability

Youlan intra-oral Sensor family, based on advanced APS CMOS together with the leading technologies such as smart AED, direct deposited CSI scintillator and ergo-nomic design. Brings optimal digital imaging to your daily practice.

YL Dental X ray

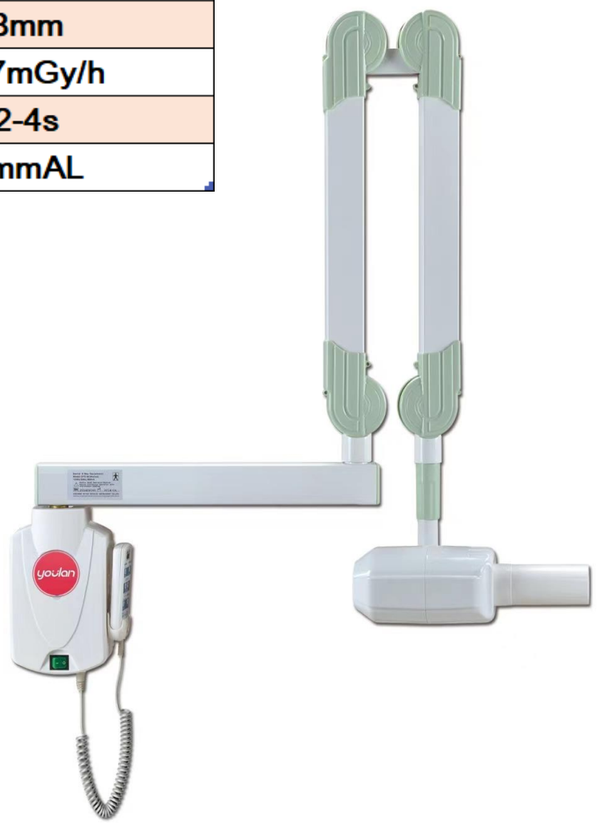
Specification:

Dental X ray	Portable (YLR2-VET)	Mobile(YLDR002)	Wall-Mounted(YLDR003)
Power Voltage	AC 100V-240v±10%	220V±10%	220V±10%
Electric Plug	Battery	Three Core	Three Core
Frequency	60HZ	50/60HZ	50/60HZ
Rated High Voltage	60KV	60KV	60KV
Tube Current	1.5mA	8mA	8mA
Focus Size	0.3mm	0.8mm	0.8mm
Radiation Leakage,	<0.25mGy/h	<0.07mGy/h	<0.07mGy/h
Exposure time	0.2-2s	0.2-4s	0.2-4s
Inherent filtration	2.5mmAL	2.5mmAL	2.5mmAL

YLR2-VET

Software

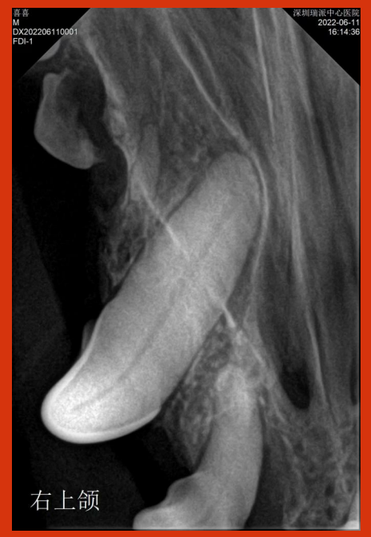
YLDR003

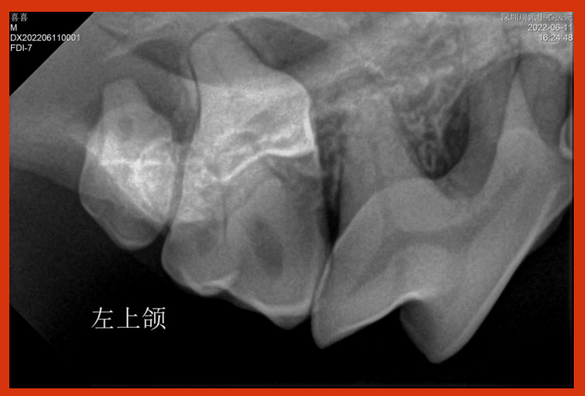


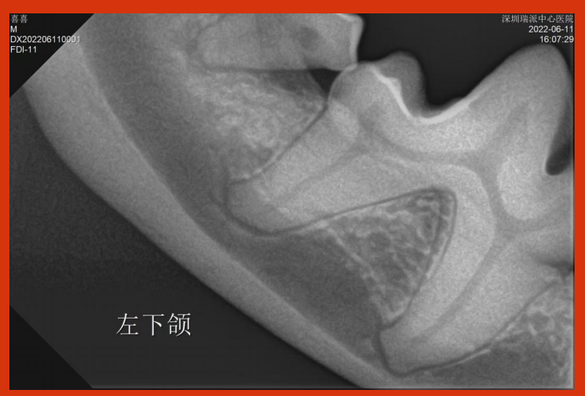
YLDR002

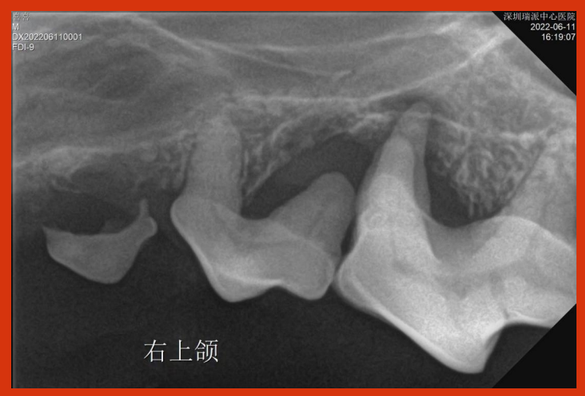
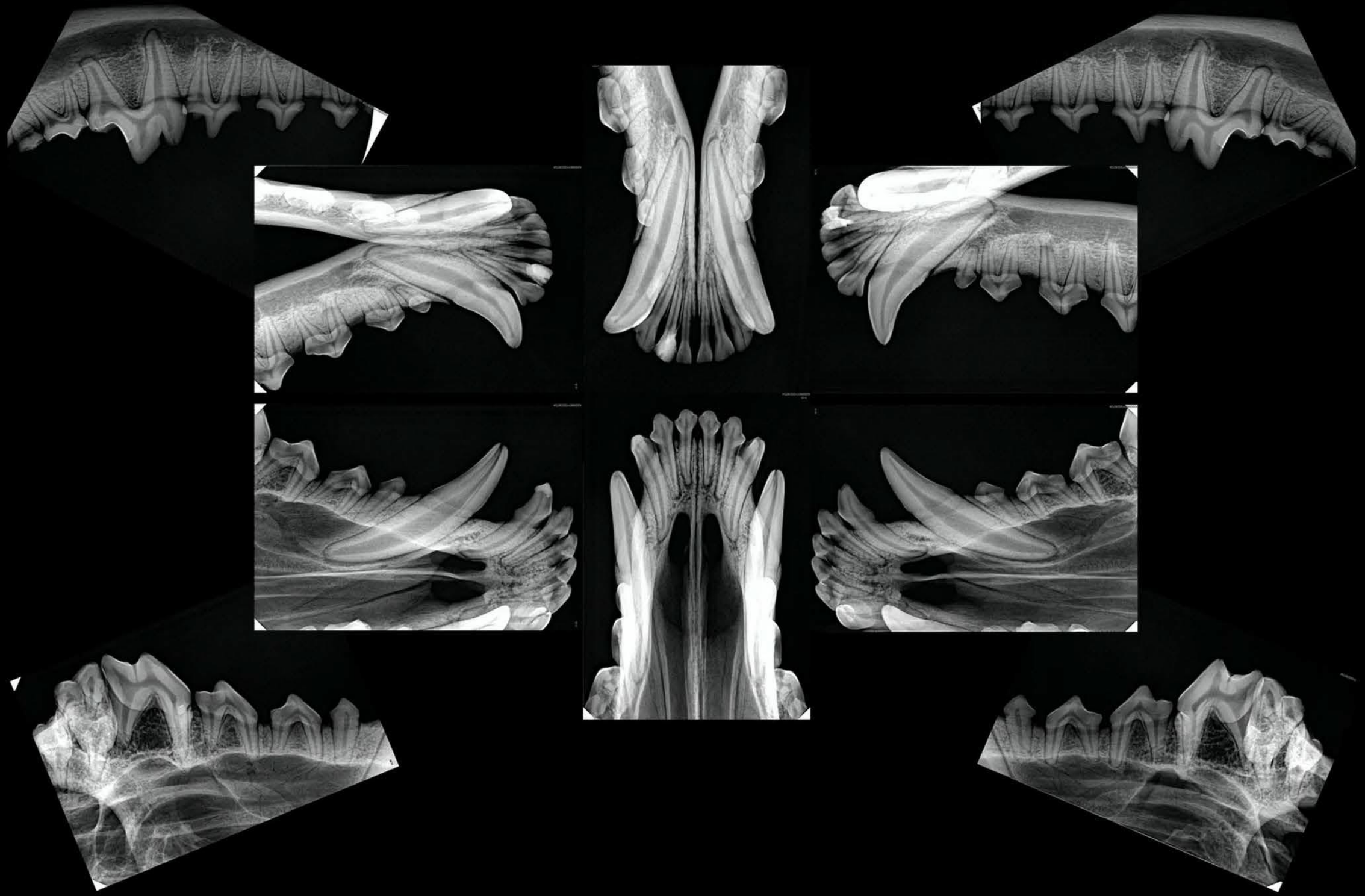
Comprehensive & Professional

YL- Dental VET Software









Design for Animal