




PRODUCT SPECIFICATION SHEET (Rev.1.2)

duraSCAN™1515D

- ✓ duoPIX™ IGZO TFT Imaging Sensor, 15cmX15cm
- ✓ 73µm Pixel Pitch
- ✓ 50FPS (1x1) Dynamic Imaging
- ✓ Switchable Rolling and Global Shutters
- ✓ < 0.1% (1<sup>st</sup> frame @ 30FPS, Non-binning)
- ✓ Up to 160kVp Energy Range
- ✓ Durability Under Severe Radiation

<b>Intended use</b>	For industrial use only
<b>Compliance certification</b>	    

General	
<b>Model</b>	duraSCAN™1515D
<b>Type of sensor</b>	duoPIX™
<b>Conversion screen</b>	Gd2O2S:Tb
<b>Pixel matrix</b>	2048 x 2048
<b>Pixel pitch</b>	73µm
<b>Active area</b>	149.5mm x 149.5mm
<b>A/D resolution</b>	16bit
<b>Boot up time</b>	90 sec (typ.)
<b>Energy Range</b>	10 - 160 kVp
<b>Shuttering</b>	Switchable rolling and global shutters

Mechanical	
<b>Dimension</b>	195mm x 195mm x 42mm
<b>Weight</b>	< 3kg(6.62lb)
<b>Housing</b>	Full-cowled CFRP, Aluminum interface frame

Communication and interface	
<b>Data interface</b>	10Gbps Ethernet
<b>Frame rate</b>	50 FPS (Non-Binning) 100 FPS (2x2 Binning)
<b>X-ray Interface</b>	Wired Trigger Connection, AED (Auto Exposure Detection)

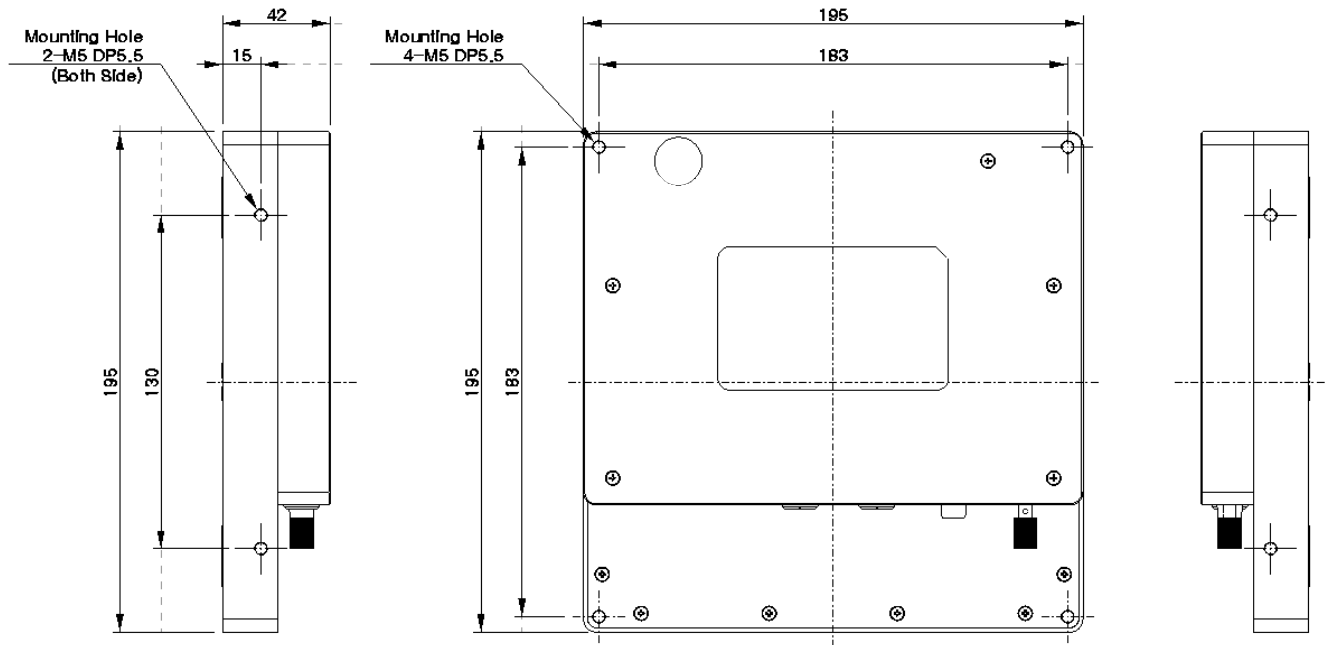
Power supply	
Supply	Input: 100 – 240V ~ 1.0A, 50/60Hz / Output: 12VDC = 7.08A
Dimension	150mm x 64mm x 37mm (5.9in x 2.52in x 1.45in)
Weight	0.5 Kg (490 g)

Image performance	
Nyquist frequency	6.84 lp/mm
Image Lag	< 0.1% (1st frame @ 30FPS, Non-binning)

Environmental	
Temperature (Operating)	0°C to 50°C
Humidity (Operating)	10 ~ 90% R.H (Non-condensing)

**duoPIX™**: 3<sup>rd</sup> generation X-ray imaging sensor composing of 2 of TFTs and photodiode in a pixel, exclusively patented by Biosenstech Inc.

## Appendix A, Dimension



## Appendix B, Product Photos

