

# TECHNICAL DATA

|                        | xgenus Ariës  | xgenus Ariës Ceph   | xgenus Ariës 3D   | xgenus Ariës 3D Ceph  |
|------------------------|---|---|---|---|
| <b>X-RAY SOURCES</b>   |   |   |   |   |
| Total Filtration       | 2.0 mm Al eq. @ 70kVp   | ≥ 2.5 mm Al eq. @ 86kVp   | ≥ 2.5 mm Al eq. @ 86kVp   | ≥ 2.5 mm Al eq. @ 86kVp   |
| Tube Voltage           | 60 - 70 kV  | 60 - 86 kV  | 60 - 86 kV  | 60 - 86 kV  |
| Anodic current         | 2 - 7.1 mA  | 2 - 12.5 mA   | 2 - 12.5 mA   | 2 - 12.5 mA   |
| Focal spot             | 0.5 mm  | 0.5 mm  | 0.5 mm  | 0.5 mm  |
| <b>DETECTORS</b>       |   |   |   |   |
| Type                   | CCD   | CMOS detectors with CsI scintillator  | CMOS Flat Panel   | CMOS detectors with CsI scintillator  |
| Pixel size             | 96 µm (2x2 binning)   | 99 µm minimum<br>198 µm (2x2 binning)   | 120 µm (2x2 binning)<br>240 µm (3x3 binning)  | 99 µm minimum<br>198 µm (2x2 binning)   |
| Voxel size             | n.a.  | n.a.  | 87.5 µm minimum   | 87.5 µm minimum   |
| <b>ACQUISITION</b>     |   |   |   |   |
| 2D Programs            | Panoramic (adult/child) - Lateral TMJ (open/closed mouth) - Maxillary Sinuses (PA) - Half panoramic (L/R) - Low Dose Panoramic<br>Frontal Dentition - Bitewing (L/R(Bilateral)) - Ortho Rad Panoramic |   |   |   |
| 3D Programs            |   |   | Full dentition (85x90 mm - ØxH) - Single jaw (85x50 mm - ØxH)<br>Mandibular teeth (50x50 mm ØxH) - Maxillary teeth (50x50 mm ØxH)<br>TMJ (85x90 mm ØxH) - Maxillary Sinuses (85x90 mm ØxH)<br>Extended dentition (120x100 mm ØxH) - Extended airways (120x100 mm ØxH) |   |
| Ceph Programs          |   | Skull Latero-Lateral (HxL)<br>(24x18 cm - 18x18 cm)<br>(24x24 cm - 18x24 cm)<br>(24x30 cm - 18x30 cm)<br>Skull Antero-Posterior (HxL)<br>(24x24 cm - 18x24cm)<br>Carpus (HxL)<br>(24x18 cm) |   | Skull Latero-Lateral (HxL)<br>(24x18 cm - 18x18 cm)<br>(24x24 cm - 18x24 cm)<br>(24x30 cm - 18x30 cm)<br>Skull Antero-Posterior (HxL)<br>(24x24 cm - 18x24cm)<br>Carpus (HxL)<br>(24x18 cm) |
| Exposure time          | up to 14.4 s  | from 4.5 s  | from 7 s  | from 4.5 s  |
| Gray levels            | 4096 (12 bit)   | 16384 (14 bit)  | 65536 (16 bit)  | 16384 (14 bit)  |
| <b>MECHANICAL DATA</b> |   |   |   |   |
| Footprint              | 1107x953 mm   | 1205x1851   | 1107x953 mm   | 1205x1851   |
| Height                 | 2190 mm (max)   | 2230 mm (max)   | 2190 mm (max)   | 2230 mm (max)   |
| Weight                 | 62 kg   | 120 kg  | 67 kg   | 125 kg  |

## WORKSTATION MINIMUM REQUIREMENTS

|                      | <b>PAN/CEPH WINDOWS<br/>(WORKSTATION)</b>           | <b>CLIENT WINDOWS</b>   | <b>CLIENT MAC OS</b>  |
|----------------------|---|---|---|
| Processor            | Intel Core i5                                       | Intel i5  | Intel Core i5   |
| Hard Disk            | 1 TB 7200 rpm                                       | 300 GB  | 300 GB  |
| RAM                  | 8 GB  | 4 GB or 8 GB (for big FOV<br>DICOM stacks)                    | 4 GB or 8 GB (for big FOV<br>DICOM stacks)                    |
| Graphic<br>Card      | Open GL 2.1 compatible<br>(suggested NVIDIA GT/GTX) | NVIDIA Geforce or NVIDIA<br>Quadro<br>with 1 GB dedicated RAM | NVIDIA Geforce or NVIDIA<br>Quadro<br>with 1 GB dedicated RAM |
| Screen<br>resolution | 1600 x 1024   | 1600 x 1024   | 1600 x 1024   |
| Network<br>Card      | Intel CT 1000 pro                                   | 100 Mb for PAN/CEPH<br>1GB for CBCT                           | 100 Mb for PAN/CEPH<br>1GB for CBCT                           |
| Operating<br>System  | Windows 10 Pro 64 bits                              | Windows 10 Pro 64 bits  | OS X Catalina (10.15)   |