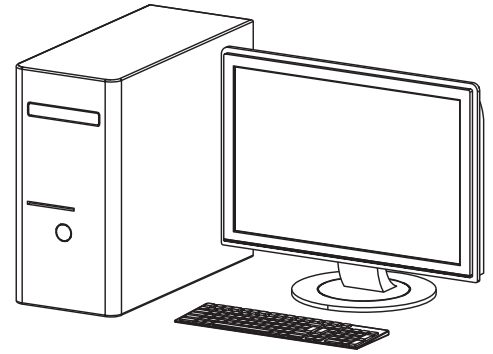


## Information



The following information merely states the requirements for the computer system. Even if the stated system requirements are met, correct operation of the Dürr Dental hardware/software can still be disrupted by specific hardware and software features on the customer side. In these cases, Dürr Dental assumes no liability for trouble-free operation of the Dürr Dental hardware/software.

The connection of additional systems to the PC may change the system requirements. Comply with the system requirements of all connected systems.



## Intraoral camera systems

The system requirements of the software being used to operate the device must always be met during its operation. We recommend using the latest version of the software.

If third-party software is being used to operate the device, compliance with its system requirements must be assured. The following additional system requirements must also be met:

### VistaCam iX HD Smart

|                             |  |
|-----------------------------|--|
| Interface:                  | USB 2.0<br>USB 3.0   |
| Total maximum cable length: | Up to 5 m with USB extension cable<br>Up to 20 m with additional USB repeater / active USB hub (max. 5 m each) - details available on request  |
| Software:                   | VistaSoft version 1.0 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.9 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

### VistaCam iX

|                             |  |
|-----------------------------|--|
| Interface:                  | USB 2.0<br>USB 3.0   |
| Total maximum cable length: | Up to 5 m with USB extension cable<br>Up to 20 m with additional USB repeater / active USB hub (max. 5 m each) - details available on request  |
| Software:                   | VistaSoft version 1.0 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.2 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

## Image plate scanner and small X-ray system

The system requirements of the software being used to operate the device must always be met during its operation. We recommend using the latest version of the software.

If third-party software is being used to operate the device, compliance with its system requirements must be assured. The following additional system requirements must also be met:

### VistaScan Ultra View

|            |   |
|------------|---|
| Interface: | Ethernet $\geq$ 100 Mbit/s<br>WLAN IEEE 802.11b/g with WPA and WPA2 encryption  |
| Software:  | VistaSoft version 2.4 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.16 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

### VistaScan Mini View

|            |  |
|------------|--|
| Interface: | Ethernet $\geq$ 100 Mbit/s<br>WLAN IEEE 802.11b/g with WPA and WPA2 encryption   |
| Software:  | VistaSoft version 1.0 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.5 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

### VistaScan Mini Plus

|                             |  |
|-----------------------------|--|
| Interface:                  | USB 2.0<br>USB 3.0<br>Ethernet $\geq$ 100 Mbit/s   |
| Total maximum cable length: | USB: up to 5 m with USB extension cable<br>USB: up to 20 m with additional USB repeater / active USB hub (max. 5 m each) - details available on request                                    |
| Software:                   | VistaSoft version 2.3 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.0 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

### VistaScan Mini

|                             |  |
|-----------------------------|--|
| Interface:                  | USB 2.0<br>USB 3.0<br>Ethernet $\geq$ 100 Mbit/s   |
| Total maximum cable length: | USB: up to 5 m with USB extension cable<br>USB: up to 20 m with additional USB repeater / active USB hub (max. 5 m each) - details available on request                                    |
| Software:                   | VistaSoft version 2.3 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.0 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

### VistaScan Mini Easy

|                             |  |
|-----------------------------|--|
| Interface:                  | USB 2.0<br>USB 3.0<br>Ethernet $\geq$ 100 Mbit/s   |
| Total maximum cable length: | USB: up to 5 m with USB extension cable<br>USB: up to 20 m with additional USB repeater / active USB hub (max. 5 m each) - details available on request                                    |
| Software:                   | VistaSoft version 2.3 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.3 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

### VistaScan Nano Easy

|            |   |
|------------|---|
| Interface: | Ethernet $\geq$ 100 Mbit/s  |
| Software:  | VistaSoft version 2.3 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.15 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

### VistaScan Nano IQ

|            |   |
|------------|---|
| Interface: | Ethernet $\geq$ 100 Mbit/s  |
| Software:  | VistaSoft version 2.3 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.15 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

## VistaScan Combi View

|            |  |
|------------|--|
| Interface: | Ethernet $\geq$ 100 Mbit/s<br>WLAN IEEE 802.11b/g with WPA and WPA2 encryption   |
| Software:  | VistaSoft version 1.0 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.5 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

## VistaRay 7

|                             |  |
|-----------------------------|--|
| Drive:                      | DVD ROM  |
| Interface:                  | USB 2.0<br>USB 3.0   |
| Total maximum cable length: | USB: 5 m   |
| Software:                   | VistaSoft version 1.0 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.3 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

## X-ray unit

The system requirements of the software being used to operate the device must always be met during its operation. We recommend using the latest version of the software.

If third-party software is being used to operate the device, compliance with its system requirements must be assured. The following additional system requirements must also be met:

## VistaPano S

|                |  |
|----------------|--|
| Interface:     | 1 free PCI Express slot for supplied Gigabit Ethernet controller   |
| Graphics card: | Resolution $\geq$ 1280 x 1024<br>Depth of colour 32-bit, 16.7 million colours  |
| Software:      | VistaSoft version 1.0 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.6 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

## VistaPano S Ceph

|            |  |
|------------|--|
| Interface: | 1 free PCI Express slot for supplied Gigabit Ethernet controller   |
| Software:  | VistaSoft version 1.0 or higher (order number: 2110100003)<br>VistaSoft Connect version 3.0 or higher<br>DBSWIN version 5.8 or higher (order number: 2100-725-02), VistaEasy, Image Bridge |

## VistaVox S and VistaVox S Ceph

A reconstruction PC with increased requirements is required to operate the unit. A direct connection is required between the reconstruction PC and the unit (fibre optic cable).



The processor and graphics board must correspond with the specifications and system requirements to enable a faultless reconstruction. Should these requirements not be fulfilled, Dürr Dental does not provide any guarantee for faultless reconstruction.

### Valid for VistaVox S, order number 2210200001

|                     |   |
|---------------------|---|
| CPU:                | ≥ Intel Xeon E5-1607 3 GHz<br>≥ Intel Core i7-6700, 3.4 GHz   |
| RAM:                | ≥ 16 GB DDR3-1600   |
| Operating systems:  | Microsoft Windows 10, 64-bit (Pro or higher)  |
| Hard disk:          | – For reconstruction: ≥ 500 GB, SSD recommended<br>– Additionally for the database (only with single workstation installation): the database memory requirements depend on the number of images taken at the surgery in question. (Camera image: approx. 1 MB, X-ray image: approx. 2 MB – 10 MB, CBCT: 200 – 400 MB) |
| Drive:              | DVD-ROM (optional: software can be installed via download)  |
| Interface:          | 1 PCI Express slot Gen2 x4<br>USB socket<br>Gigabit Ethernet (only with multi-station installation)   |
| Graphics card:      | NVIDIA GeForce GTX970 4 GB<br>NVIDIA GeForce GTX1060 6 GB<br>NVIDIA GeForce GTX1070 8 GB<br>NVIDIA GeForce GTX1080 8 GB<br>NVIDIA GeForce GTX 1660Ti 6 GB<br>NVIDIA GeForce RTX 2070 8 GB<br>NVIDIA Quadro P2000 5 GB<br>NVIDIA Quadro RTX4000 8GB<br>NVIDIA RTX A2000 12GB   |
| Diagnostic monitor: | In accordance with DIN 6868-157, room category 5 or 6 (depending on the requirements)   |
| Software:           | VistaSoft version 2.1 or higher (order number: 2110100003)  |

### Valid for VistaVox S, order number 2210200653, and VistaVox S Ceph, order number 2210200575

|                     |  |
|---------------------|--|
| CPU:                | ≥ Intel Xeon E5-1607 3 GHz 1066<br>≥ Intel Core i7-6700 3.4 GHz  |
| RAM:                | ≥ 16 GB DDR3-1600  |
| Operating systems:  | Microsoft Windows 10, 64-bit (Pro or higher)   |
| Hard disk:          | – For reconstruction: ≥ 500 GB SSD<br>– Additionally for the database (only with single workstation installation): the database memory requirements depend on the number of images taken at the surgery in question. (Camera image: approx. 1 MB, X-ray image: approx. 2 MB – 10 MB, CBCT: 200 – 400 MB) |
| Interface:          | 1 PCI Express slot (for graphics card)<br>1 Gen2 PCI Express slot ≥ x4 (for frame grabber card)<br>USB socket<br>Gigabit Ethernet (only with multi-station installation)   |
| Graphics card:      | NVIDIA GeForce GTX970 4 GB<br>NVIDIA GeForce GTX1060 6 GB<br>NVIDIA GeForce GTX1070 8 GB<br>NVIDIA GeForce GTX1080 8 GB<br>NVIDIA GeForce GTX 1660Ti 6 GB<br>NVIDIA GeForce RTX 2070 8GB<br>NVIDIA Quadro P2000 5 GB<br>NVIDIA Quadro RTX4000 8GB<br>NVIDIA RTX A2000 12GB                               |
| Diagnostic monitor: | In accordance with DIN 6868-157, room category 5 or 6 (depending on the requirements)  |
| Software:           | VistaSoft version 2.4.1 or higher (order number: 2110100003)   |

## Software

### VistaSoft incl. VistaSoft Connect

Valid from version 3.0.10, order number 2110100003

|                      |   |
|----------------------|---|
| CPU:                 | ≥ Intel Core i3   |
| RAM:                 | ≥ 4 GB<br>For automatic nerve canal detection: ≥ 8 GB   |
| Operating systems:   | 64-bit operating system:<br>Microsoft Windows 10 (Pro or higher)<br>Microsoft Windows 11 (Pro or higher)<br>Microsoft Windows Server 2019<br>Microsoft Windows Server 2022  |
| Hard disk:           | Workstation (without database) ≥ 50 GB<br>The database memory requirements depend on the number of images taken at the surgery in question.<br>(Camera image: approx. 1 MB, X-ray image: approx. 2 MB – 10 MB, CBCT: 200 – 300 MB)  |
| Data backup:         | Daily data back-up  |
| Installation medium: | DVD-ROM or download   |
| Interface:           | Ethernet ≥ 100 MBit/s<br>Internet connection (for VistaSoft Cloud only)<br>Valid email address (for VistaSoft Cloud only)   |
| Graphics card:       | Resolution ≥ 1280 x 1024<br>Depth of colour 32-bit, 16.7 million colours<br>For display of 3-D-X-ray images: NVIDIA GeForce ≥ 1 GB<br>For automatic nerve canal detection: NVIDIA GeForce ≥ 4 GB<br>With regard to producing 3D X-ray images, please see requirements for 3D X-ray units (VistaVox S and VistaVox S Ceph) |
| Diagnostic monitor:  | In accordance with DIN 6868-157, room category 5 or 6 (depending on the requirements)   |
| Notes:               | Data migration is possible from an existing DBSWIN installation into VistaSoft from DBSWIN 5.11 or higher.  |

## DBSWIN incl. VistaEasy

Valid from version 5.17, order number 2100-725-02

|                     |   |
|---------------------|---|
| CPU:                | ≥ Intel Pentium IV compatible, 1.4 GHz  |
| RAM:                | ≥ 1 GB (2 GB recommended)   |
| Operating systems:  | Microsoft Windows 8.1 (not Windows RT)<br>Microsoft Windows 10 (Pro or higher)<br>Microsoft Windows Server 2016<br>Microsoft Windows Server 2019  |
| Hard disk:          | Workstation (without database) ≥ 50 GB<br>The database memory requirements depend on the number of images taken at the surgery in question.<br>(Camera image: approx. 1 MB / X-ray image: approx. 2 MB - 10 MB) |
| Drive:              | DVD ROM   |
| Data backup:        | Daily data back-up  |
| Interface:          | Ethernet ≥ 100 Mbit/s<br>USB (for installation)   |
| Graphics card:      | Resolution ≥ 1024 x 768<br>Depth of colour 32-bit, 16.7 million colours   |
| Diagnostic monitor: | In accordance with DIN 6868-157, room category 5 or 6 (depending on the requirements)   |

## Image Bridge

Valid from DBSWIN version 5.17

Valid from VistaSoft version 3.0, incl. VistaSoft Connect

|                      |   |
|----------------------|---|
| CPU:                 | ≥ Intel Pentium IV compatible, 1.4 GHz  |
| RAM:                 | ≥ 1 GB (2 GB recommended)   |
| Operating systems:   | Microsoft Windows 8.1 (not Windows RT)<br>Microsoft Windows 10 (Pro or higher)<br>Microsoft Windows Server 2016<br>Microsoft Windows Server 2019  |
| Hard disk:           | Workstation (without database) ≥ 50 GB<br>The database memory requirements depend on the number of images taken at the surgery in question.<br>(Camera image: approx. 1 MB / X-ray image: approx. 2 MB - 10 MB) |
| Installation medium: | DVD-ROM or download   |
| Interface:           | Ethernet ≥ 100 Mbit/s   |
| Graphics card:       | Resolution ≥ 1024 x 768<br>Depth of colour 32-bit, 16.7 million colours   |
| Notes:               | VistaSoft Connect and Image Bridge can be installed in parallel from Image Bridge version 1.0.69.0 or higher.   |