

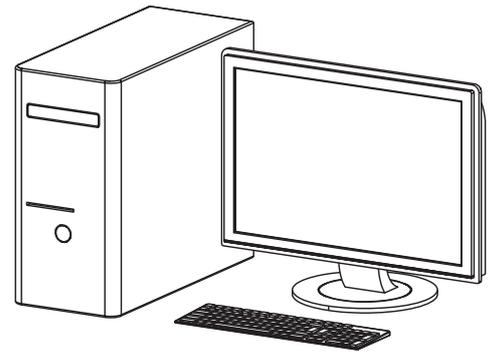
Information



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

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

Always comply with the relevant requirements from IEC 60601-1 (EN 60601-1) when connecting the unit to other appliances, e.g. to a computer system, both inside and outside of the patient environment.



Intraoral camera systems

The system requirements of the software being used to operate the device must always be met during its operation. It is recommended to use 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:

CamX Triton HD

Interface:	USB 2.0 USB 3.0
Total maximum cable length:	up to 5 m with USB extension cable up to 20 m with additional USB repeater / active USB hub (max. 5 m each) - details available on request
Software:	VisionX version 2.3 or higher (order number: E7300) VisionX Connect version 3.0 or higher, Image Bridge

CamX Elara and CamX Spectra

Interface:	USB 2.0 USB 3.0
Total maximum cable length:	up to 5 m with USB extension cable up to 20 m with additional USB repeater / active USB hub (max. 5 m each) - details available on request
Software:	VisionX version 2.3 or higher (order number: E7300) VisionX Connect version 3.0 or higher, Image Bridge

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Phosphor storage plate scanners and small X-ray systems

The system requirements of the software being used to operate the device must always be met during its operation. It is recommended to use 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:

ScanX Swift View 2.0

Interface:	Ethernet \geq 100 MBit/s, recommended: 1000 MBit/s WLAN 2.4/5 GHz IEEE 802.11ac/a/b/g/n/d/e/h/i with encryption WPA, WPA2, WPA3
Software:	VisionX version 3.0.30 or higher (order number: E7300) VisionX Connect version 3.0.30 or higher, Image Bridge

ScanX Swift 2.0

Interface:	Ethernet \geq 100 MBit/s, recommended: 1000 MBit/s
Software:	VisionX version 3.0.30 or higher (order number: E7300) VisionX Connect version 3.0.30 or higher, Image Bridge

ScanX Edge

Interface:	Ethernet \geq 100 Mbit/s
Software:	VisionX version 2.4 or higher (order number: E7300) VisionX Connect version 3.0 or higher, Image Bridge

ScanX Duo Touch

Interface:	Ethernet \geq 100 Mbit/s WLAN IEEE 802.11b/g with WPA and WPA2 encryption
Software:	VisionX version 2.4 or higher (order number: E7300) VisionX Connect version 3.0 or higher, Image Bridge

ScanX Swift View

Interface:	Ethernet \geq 100 Mbit/s WLAN IEEE 802.11b/g with WPA and WPA2 encryption
Software:	VisionX version 2.3 or higher (order number: E7300) VisionX Connect version 3.0 or higher, Image Bridge

ScanX Intraoral View / ScanX Classic View

Interface:	Ethernet \geq 100 Mbit/s WLAN IEEE 802.11b/g with WPA and WPA2 encryption
Software:	VisionX version 2.3 or higher (order number: E7300) VisionX Connect version 3.0 or higher, Image Bridge

ScanX Swift

Interface:	USB 2.0
Software:	VisionX version 2.3 or higher (order number: E7300) VisionX Connect version 3.0 or higher, Image Bridge

ScanX Intraoral / ScanX Duo / ScanX Ortho / ScanX Classic

Interface:	USB 2.0
Software:	VisionX version 2.3 or higher (order number: E7300) VisionX Connect version 3.0 or higher, Image Bridge

SensorX

Interface:	USB 2.0 USB 3.0
Total maximum cable length:	USB: 5 m
Software:	VisionX 2.4.10 or higher (order number: E7300) VisionX Connect version 3.0 or higher, Image Bridge

X-ray units

The system requirements of the software being used to operate the device must always be met during its operation. It is recommended to use 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 2.0 and VistaPano S Ceph 2.0

CPU:	≥ Intel Core i5
RAM:	≥ 16 GB
Interface:	1 free PCI Express slot for supplied Gigabit Ethernet controller
Software:	VisionX version 3.0.33 or higher (order number: E7300) VisionX Connect version 3.0.33 or higher, Image Bridge

ProVecta S-Pan and ProVecta S-Pan Ceph

Interface:	1 free PCI Express slot for supplied Gigabit Ethernet controller
Software:	VisionX version 2.3 or higher (order number: E7300) VisionX Connect version 3.0 or higher, Image Bridge

ProVecta 3D Prime and ProVecta 3D Prime Ceph

A reconstruction PC with increased requirements is required to operate the unit. In addition, a direct connection via fiber optic cable is required between the reconstruction PC and the unit.



The processor and graphics board must meet the specifications and system requirements to ensure a faultless reconstruction. Should these requirements not be met, Air Techniques does not provide any guarantee for faultless reconstruction.

CPU:	≥ Intel Xeon E5-1607, 3 GHz ≥ Intel Core i7-6700
RAM:	≥ 16 GB DDR3-1600
Operating systems:	Microsoft Windows 10, 64-bit (Pro or higher) Microsoft Windows 11 (Pro or higher)
Hard disk:	For reconstruction: ≥ 500 GB SSD
Interface:	1 PCI Express slot (for graphics card) 1 Gen2 PCI Express slot ≥ x4 (for frame grabber card) USB socket
Graphics board:	NVIDIA GeForce GTX970 4 GB NVIDIA GeForce GTX1060 6 GB NVIDIA GeForce GTX1070 8 GB NVIDIA GeForce GTX1080 8 GB NVIDIA GeForce GTX1660Ti 6 GB NVIDIA GeForce RTX2070 8 GB NVIDIA Quadro P2000 5 GB NVIDIA Quadro RTX4000 8 GB NVIDIA RTX A2000 ≥ 4 GB
Diagnostic monitor:	In accordance with DIN 6868-157, room category 5 or 6 (depending on the requirements)
Software:	VisionX version 2.4.12 or higher (order number: E7300)

Software

VisionX incl. VisionX Connect and Image Bridge

Valid from version 3.0.30, order number: E7300

CPU:	≥ Intel Core i3
RAM:	≥ 4 GB For automatic nerve canal proposal: ≥ 8 GB
Operating systems:	Operating system 64-bit: Microsoft Windows 10 (Pro or higher) Microsoft Windows 11 (Pro or higher) Microsoft Windows Server 2019 Microsoft Windows Server 2022
Hard disk:	Workstation (without database) ≥ 50 GB 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 – 300 MB)
Data backup:	Daily data back-up
Installation media:	Download
Interface:	Ethernet ≥ 100 Mbit/s Internet connection (for VisionX Cloud, installation of demo patient and installation support tools) Valid email address (for VisionX Cloud only)
Graphics card:	Resolution ≥ 1280 x 1024 Depth of color 32-bit, 16.7 million colors For viewing 3D X-ray images: NVIDIA GeForce ≥ 1 GB with OpenGL 3.0 For automatic nerve canal proposal: NVIDIA GeForce ≥ 4 GB with OpenGL 3.0 For acquiring 3D X-ray images see requirements of the X-ray units (ProVecta 3D Prime)
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 in VisionX from DBSWIN 5.11 or higher.

Vision Monitor

Requirements for server installation of the Vision Monitor software on a server or computer in the practice network:

Operating system:	Microsoft Windows Server 2019 or higher Microsoft Windows 10 (from version 1809) or higher
Graphics board:	Resolution ≥ 1280 x 1024 (recommended)
Interface:	Ethernet, DHCP/dynamic allocation of IP addresses Internet no network proxy possible
Ports required:	TCP: 502, 512, 514, 50123, 25565 UDP: 1900, 45123, 45124, 45125
Additionally required software:	Browser (Mozilla Firefox, Google Chrome or Microsoft Edge, current version in each case) For connecting phosphor storage plate scanner: VisionX server or single-user installation (from version 3.0.20) on the same computer
Peripheral equipment required:	Audio playback (sound card, loudspeaker) recommended

Just a browser is needed for the user interface of the cloud.