

VIEWMEDIC VARIO

VARIO CONCEPT - THIRD GENERATION

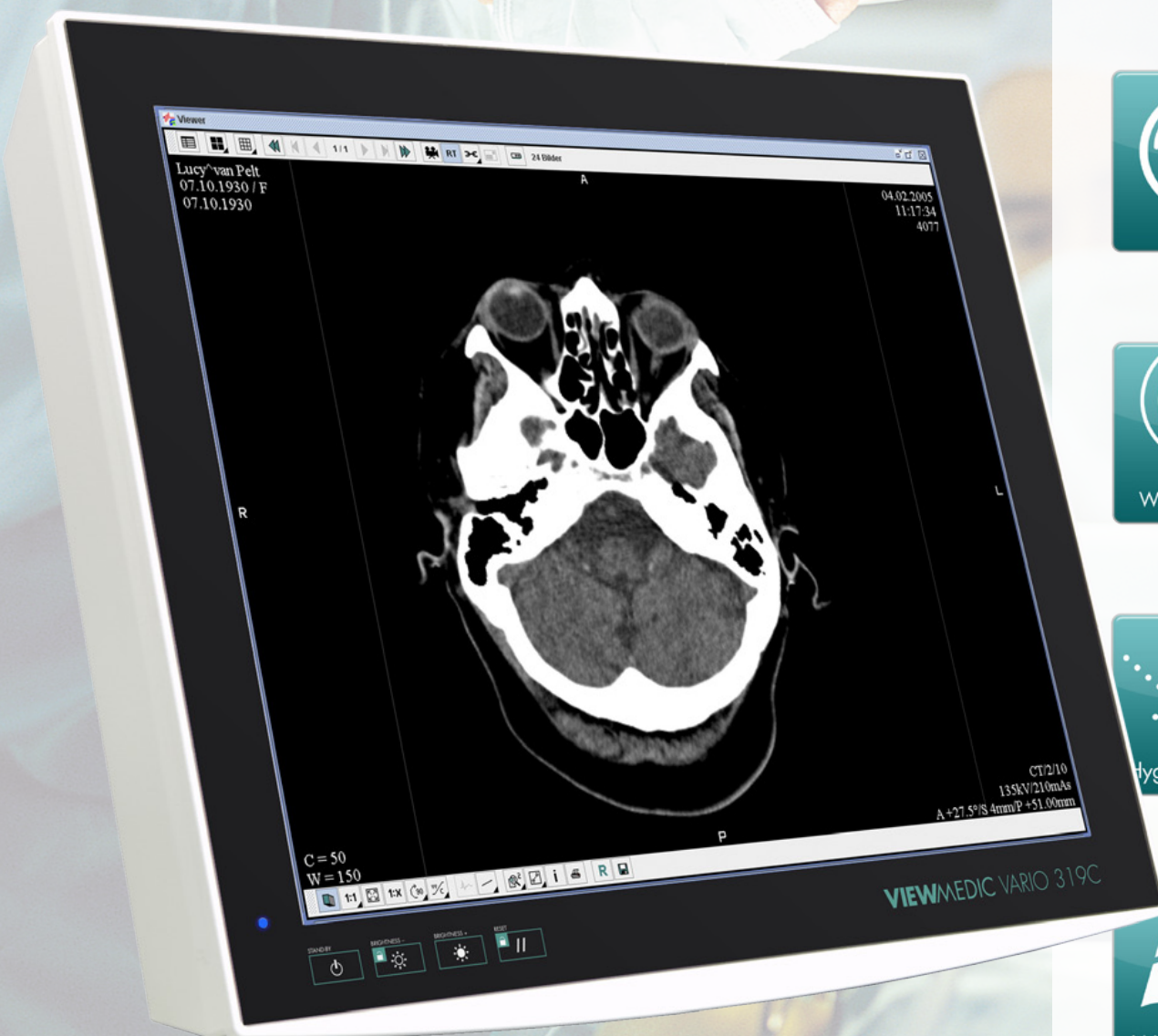


All-In-One-Computer
Medical Display
Thin-Client

The VARIO concept provides the utmost flexibility and reliability when fitting out your operating theatres and other hygienically sensitive areas.

Our product range includes especially hygienic All-In-One-Computers, Thin Clients and Displays in a variety of sizes and performance categories.

You will find for every application the right product.



VARIO CONCEPT - THE THIRD GENERATION

New housing design for hygienic and powerful medical computers and monitors

VARIO CONCEPT third generation of products includes All-in-One-Computer, Thin Clients and Displays for medically sensitive areas like operating theatres, intensive care units and emergency rooms.

The housing was redesigned for the new product line and now offers even better hygienic properties, optimal ease of installation and maintenance, as well as a high degree of usability.

The inner workings of the All-in-One-Computer are based on the latest industry standards

Thanks to the powerful yet economical Intel® Core™ 2 Duo processor, VARIO All-in-One-Computer are capable of meeting all performance requirements and offer trendsetting efficiency.

The components in the VARIO models satisfy strict requirements like 24 hour operation, which means the devices have an especially high level of availability.

The use of industrial components makes this possible. Such components are significantly more robust than those designed for use in office computers or notebooks.

The use of these professional components also ensures a long product lifecycle.

Extensive testing ensures greater operator safety during on-site assembly

We submit our products to independent laboratories for testing in accordance with all required safety tests and we would be happy to supply documentation of this at any time.

This is of particular importance when operators combine our products with other devices. In such cases the operator often becomes the manufacturer of a medical product.

Our stringent tests guarantee a high level of safety and fully comply with the international standards IEC 60601-1 and IEC 60601-1-2.

Only comprehensive device protection will ensure proper disinfection and cleaning

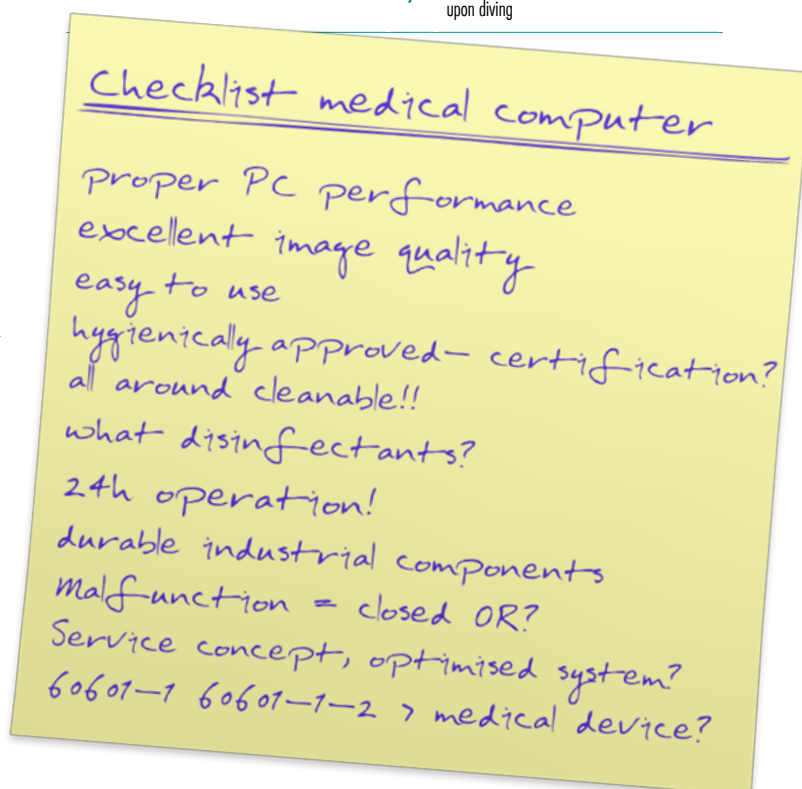
VARIO housings are fully protected against dust and splash water and are therefore easily disinfected without the possibility of damaging the equipment. Dust cannot accumulate in the device and therefore neither can germs.

The germicidal and disinfectant-resistant coating is backed up by appropriate expert and test reports.

The protective glass which is precisely fitted into the front, provides maximum protection against damage to the display and enhances the contrast ratio thanks to its high-quality anti-reflective coating.

The protection class IP65 indicates the following level of protection

IP	First digit indicates protection against solids	IP	Second digit indicates protection against liquids
4	Protection against foreign bodies with diameters >1 mm	4	Protected against splash water
5	Completely dust proof, protection against deposits of dust inside	5	Protected against water jets (from all directions)
6	Completely dust tight, protection against ingress of dust	6	Protected against the ingress of water upon temporary flooding
		7	Protected against the ingress of water upon diving

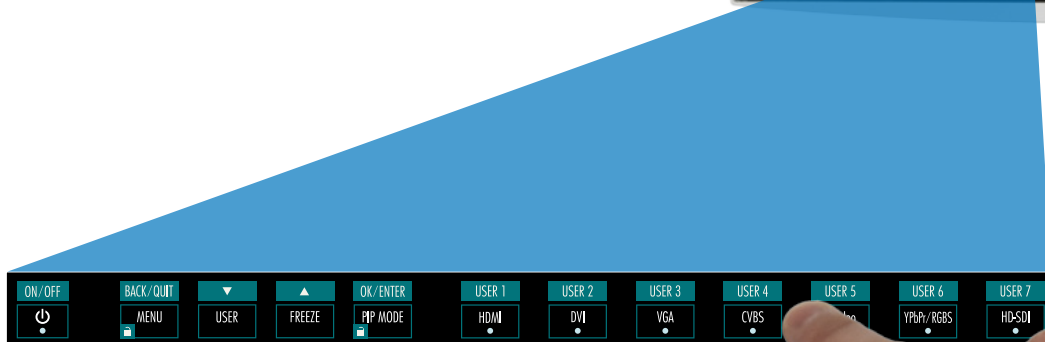
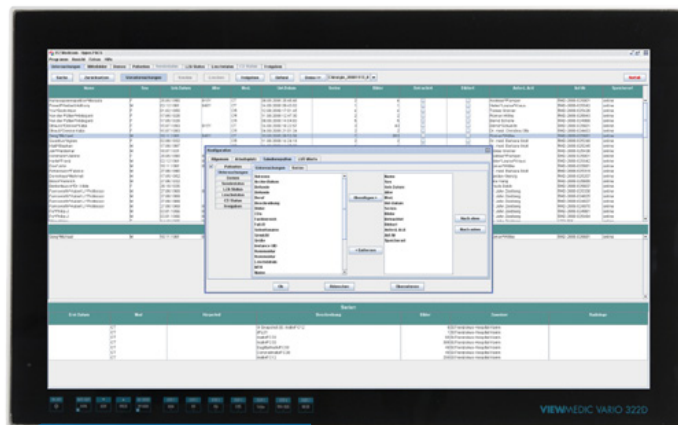


HYGIENICALLY OPERATING HARDWARE AND SOFTWARE

Innovative touch panel for hygienic device control

The touch sensitive control panel - named COMMAND BAR - is located behind a protective glass. The COMMAND BAR makes it simple to control the VARIO just with a touch. This method of device control is extremely practical, hygienic, completely without wear and also works with surgical gloves.

Each VARIO is equipped with a COMMAND BAR to control the individual functions of the monitor.



Control modern applications directly via a resistive touchscreen panel

In order to operate innovative software products at the touch of a finger, almost all VARIO – in other words, all All-in-One-Computer, Thin Clients and Displays – can be extended to include resistive touch technology. The sensors are directly laminated into the glass and are very robust.

Edgeless touch design for optimal hygienic operation

A special advantage of the VARIO touch system is the planar surface without any edges. Since the devices can be thoroughly disinfected, this edgeless touchscreen operation is a particularly hygienic feature.

The touch option is currently available for all 19" and 21.5" VARIO models. It has a permeability to light of over 80%.

EASY TO INSTALL AND SERVICE

The 180 degree rotating rear housing allows cables to be fed in from above or below

Thanks to the intelligent construction of the VARIO, you can decide whether the cable power supply should be connected to the top or bottom of the device. This provides you with greater flexibility when it comes to scheduling rooms. It is recommended to feed the cable into the device from above, particularly when connecting to ceiling-mounted supply systems.

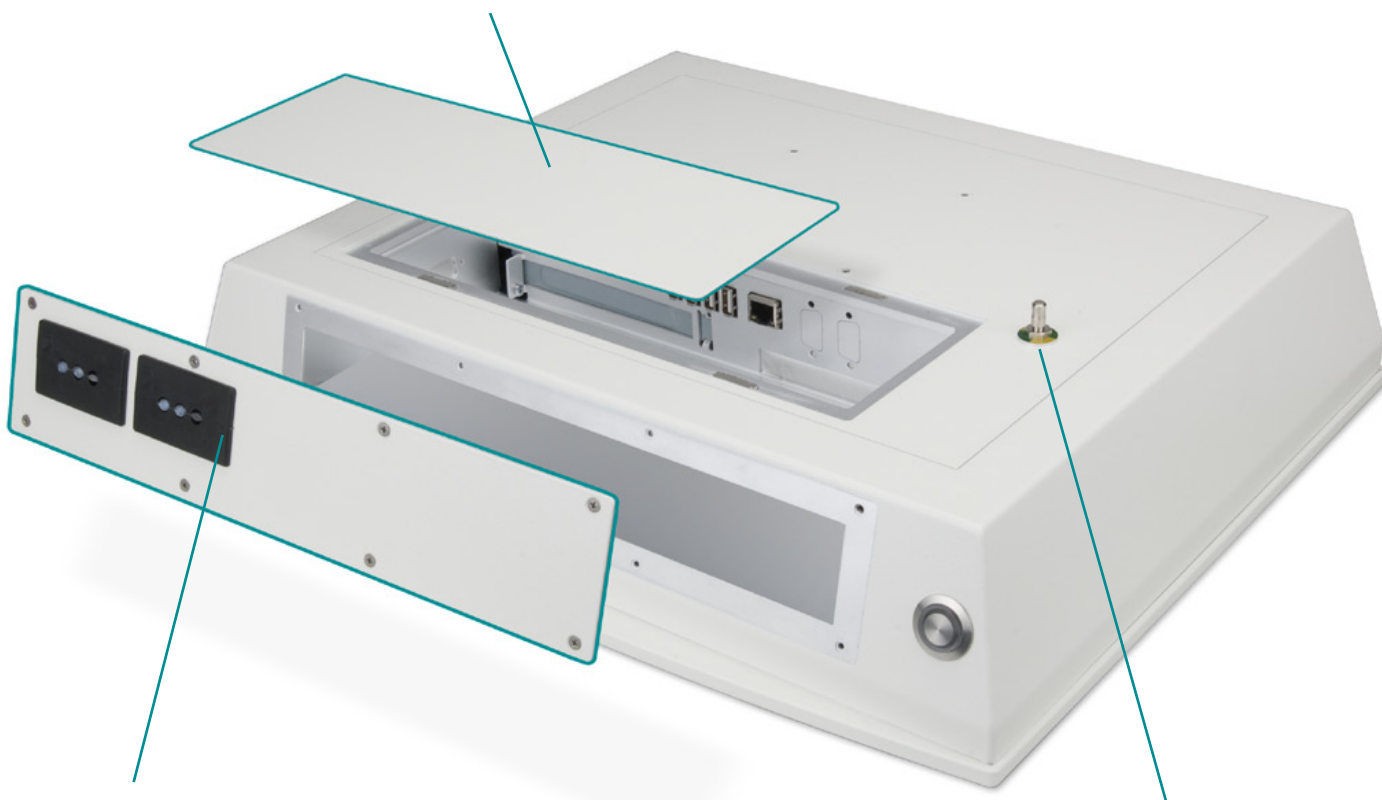
AC or DC power supply allows for more flexibility when it comes to planning operating theatres

The standard version of every VARIO includes an integrated medical three-phase power supply for global use (110–240 V). The device can be provided with an optional external power unit for use with ceiling-mounted supply systems or mobile cart solutions.

The external power unit supplies the device through a DC connector socket. For cabling through support arms, we offer project-specific cabling material which enables a reliable power supply on site.

Inspection flap with magnet or screw top for easy access to the connectors

In order to simplify the installation, the new VARIO is equipped with an inspection flap that either closes magnetically or can be screwed shut. This is flush-integrated in the rear of the device. This guarantees fast access to the IP65 rated connectors and easy cable management.



IP65 rated cable feedthrough for connecting wall supply lines

VARIO cable feedthroughs allows an IP65-rated cabling with pre-fabricated electricity, network and I/O lines. The device is also protected from dust and splash water in this area.

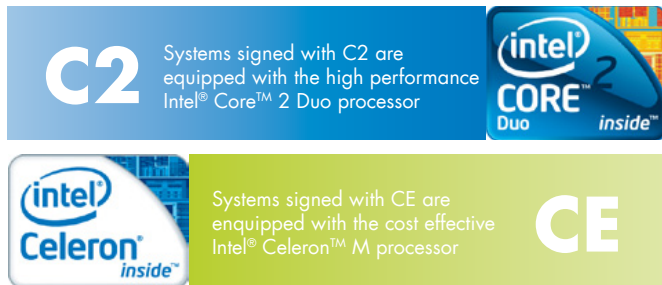
Additional equipotential bonding in all devices guarantees patient safety

All VARIO devices have the required additional equipotential bonding in accordance with DIN 42801.

VARIO ALL-IN-ONE-COMPUTER

Proper service equipment for the computer – the right fit for all your applications

The third-generation VARIO includes a mainboard that is flexibly configurable. This can optionally be equipped with an Intel® Celeron™ processor or, for more demanding applications, with the powerful Intel® Core™ 2 Duo processor.



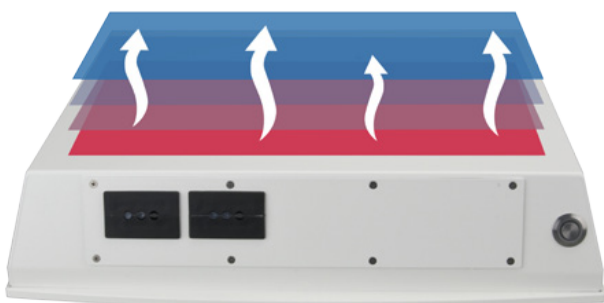
These processors are hard soldered on the mainboard, energy-saving and particularly heat resistant. Even the main memory is scalable from 1 GB to 8 GB. The flexible configuration of the CPU, RAM, hard drive and other components allows you to equip each VARIO to suit your precise requirements.

An overview of the system specifications:

- » **Embedded Intel Core 2 Duo or Celeron**
- » **Intel GS45 Chipset with ICH9M**
- » **DDR3-RAM 1066 MHz, 1 GB to 8 GB**
- » **HDD of 250 GB, 2.5 inches, 8 MB cache**
- » **Gigabit Ethernet**
- » **4 x USB 2.0 ports**
- » **2 x MiniPCle onboard**
- » **DVI output and DisplayPort for second monitor**

The housing design enables passive and therefore silent cooling

The VARIO All-in-One-Computer provide a high degree of performance with minimal heat generation and power consumption. The resulting heat is effectively emitted via the aluminium back plate.



As a result, there is no need for ventilation slots and the housing can be fully disinfected by wiping it down, without the risk of damaging the electronic components.

Many useful options extend the range of functions of VARIO All-In-One-Computers:

- » **DVD-RW slot-in-drive**
- » **SDD (Solid State Drive)**
- » **Second hard disk drive with RAID 0/1**
- » **Resistive touchscreen**
- » **Integrated barcode reader**
- » **WLAN kit IEEE 802.11 b/g/n**
- » **External IP65 rated USB plug**
- » **Isolated RS-232 interfaces (4 kV)**
- » **External 12 V/24 V power supply**

A free slot for PCIe x1 cards is available as an option for extensions

The VARIO mainboard has two Mini-PCle expansion slots. These may be used for a variety of upgrades. A slot can be adapted to allow the use of a PCI x1 card. Therefore, you can extend the system to include a PCI x1 card with a multitude of functions.



In order to ensure that the devices continually comply with IEC standards when using an additional card, we have already tested established PCI x1 cards during the certification process:

- » **Fibre-optic fast Ethernet adapter (SC/LC)**
- » **Several frame grabber cards**

Customised adaptations for OEM products and customer specific applications

The expansion and customization options of VARIO products are wide ranging. We would be happy to develop your customised device together with you and to carry out the relevant tests.

VARIO ALL-IN-ONE-COMPUTER - TECHNICAL SPECIFICATIONS

All-In-One-Computer	VARIO 319CE/C2	VARIO 321CE/C2	VARIO 322CE/C2
Order Code	VVA319CE (Celeron), VVA319C2 (Intel Core 2 Duo) VVA321CE (Celeron), VVA321C2 (Intel Core 2 Duo) VVA322CE (Celeron), VVA322C2 (Intel Core 2 Duo)		
Applications	Medical AllIn-One-Computer, suitable for hospital applications like RIS, CIS, PACS (not diagnostics), LIS and EPA in hygienically sensitive areas		
PC system			
Chipset	Intel® GS45 with Inte® ICH-9M		
CPU	Choose between: version CE = Intel® Celeron™ Mobile 1,2 GHz or version C2 = Intel® Core™ 2 Duo Processor, 1,86 GHz, FSB 1066 MHz, 6 MB Level		
RAM	1 GB Dual-Channel DDR3, 800/1066 MHz (up to 8 GB, two banks, for 32-bit operating systems max. 3 GB recommended)		
HDD Hard disk drive	1 x 250 GB S-ATA HDD, 5400 rpm, 8 MB Cache, 2nd and/or lager HDD or SSD (Solid State Drive) optionally available		
Optical drives	DVD±RW Multi Drive (optionally available)		
LAN	1 x Intel® 10BaseT/100BaseTX/1000BaseTX		
Interfaces	1 x RJ45 (LAN), up to 4 x RS-232 (optionally) selectable as electrical isolated version, 4 x external USB 2.0		
Extension slot	2 x Mini-PCIe, optionally 1 x convertible to a PCI-x1 cart		
Graphics (VGA)	Intel® GS45 Graphics Memory Controller Hub with Mobile Intel® Graphics Media Accelerator 4500MH		
Monitor output for 2nd monitor	1 x Display-Port, 1 x DVH (provides the possibility to extend this VARIO with a second monitor, e.g. a VARIO display)		
Display			
Diagonal	48 cm (19") Color-LCD-TFT	54 cm (21,3") Color-LCD-TFT	54,6 cm (21,5") Color-LCD-TFT
Brightness max.	300 cd/m²	300 cd/m²	250 cd/m²
Contrast ratio	1300:1	1000:1	1000:1
Viewing angle	horizontal: 178° / vertical: 178°	horizontal: 178° / vertical: 178°	horizontal: 178° / vertical: 178°
Pixel resolution	1280 x 1024	1600 x 1200	1920 x 1080
Response time	16 ms	16 ms	8 ms
Miscellaneous			
Weight	ca. 11,2 kg (depends on configuration)	ca. 13,2 kg (depends on configuration)	ca. 10,5 kg (depends on configuration)
Physical dimensions (HxWxD)	385,5 x 445 x 99,5 mm	398,5 x 494 x 99,5 mm	350,5 x 546,5 x 94,5 mm
Power supply	Internal power supply AC 110 -240 V, 50/60 Hz single phase (optionally external power supply)		
Power consumption	approx. 50 W	approx. 60 W	approx. 55 W
VESA mounting	VESA 100 mm, 4 x M4 inserts		
Warranty (Bring-In)	24 month Bring-In-warranty		
Safety			
IP rating	IP65, all around cleanable with common hospital disinfectants		
IP rated cable grommet	two IP65 rated cable grommets for two or three cables each = up to six cables		
Norms/Regulations	CE, IEC 60601-1, IEC 60601-1-2		

Options for VARIO All-In-One-Computers

Stand	Solid metal stand for all VARIO, color RAL 9010 (pure white), fixed height, fixed tilt angle of 18°
Wall mounting solutions	Various wall mounting solutions with different functions are available on request
DVI-CAT-Exender	Integrated DVI-CAT-Exender to realise long distance DVI cabling with Cat5 cable up to 140 meters
RS-232 serial interface	Up to four electrically isolated (4 kV) RS-232 interfaces
Network isolation	RJ45 in/out (LAN 10/100/1000 Mbit/s), IEEE 802.3, isolation voltage 5kV, IEC 60601-1, IEC 60601-1-2
WLAN	Integrated WLAN module IEEE802.11b/g/n, up to 150Mbps, two hygienically optimized antennas on top
RAM	Expandable up to 8 GB RAM - two memory banks
Hard disk (HDD) and RAID	Optionally two 24/7 HDD, 250 GB each, incl. RAID controller for RAID 0 (Stripeset) and 1 (Mirroring)
Optical drive	DVD-RW (+/-) slot in with IP rated slot shutter
External power supply	12/24 V DC input with medical power supply, internal power supply will not be build in
Touch screen	Resistive touch screen for all 19" and 21,5" VARIO, > 80% translucent, opacity 7-9%

VARIO THIN CLIENT WITH IGEL TECHNOLOGY

IGEL Thin Clients provides sophisticated and high compatible Thin Clients for your IT infrastructure



IGEL Technology stands for 20 years thin client competence and high quality thin client solutions „Made in Germany“. VIEWMEDIC now offers the IGEL UD9 as a hygienically optimized thin client. To

achieve this, the UD9 is completely integrated in the housing of a VARIO 322. The most common thin client in the medical field obtained by the VARIO a hygienically optimized housing.

The hardware for high system performance



The **IGEL UD9** has a powerful and expandable hardware platform. It's high speed processor and graphics

can support demanding applications and many applications running simultaneously. It also offers upgradeability through various interfaces, including an PCI slot and an integrated Smart Card Reader.

Two operating systems

IGEL Linux is the most cost effective operating system with the best performance. It comes with a broad set of software clients, tools and protocols giving the user the possibility to access the required application with the best stability and security.



Windows Embedded Standard 2009 delivers the power of Microsoft® Windows® XP in a thin client, with 32-bit Windows compatibility for local applications and drivers.



IGEL Universal Management Suite: The clever management tool for IGEL Thin Clients



With IGEL thin client computing the total cost of ownership (TCO) of the desktop environment can be cut by up to 70 %. A substantial portion of this potential for optimizing computing environments is due to powerful features of the IGEL Universal Management Suite, which comes standard with all IGEL units.

It offers numerous local protocols, software clients, tools and security features. The continuous development and refinement sets the standards when it comes to secure and fast management of extensive thin client installations across several regions and countries. The IGEL Universal Management Suite supports a wide variety of operating systems, databases and directory services, such as Microsoft® Active Directory. UMS makes it very easy to integrate into existing installations.

Three firmware packages

The **Entry** level Digital Service Pack is designed for customers wanting to access just server based Windows applications using the Citrix® ICA or Microsoft® RDP protocols.

The **Standard** Pack has all the features of the Entry Pack plus many more Digital Services such as virtualization support, local web browser, Media Player, PDF Reader and terminal emulation. It also supports remote access using a variety of VPN protocols and the ThinPrint client for enhanced network printing.

The **Advanced** Pack is an extremely powerful collection of Digital Services that can connect you to almost any application, media and peripheral. Even more specialized Digital Services such as Flash, VoIP (Linux only) and a native SAP GUI Are supported. The Advanced Pack on Microsoft Windows Embedded Standard 2009 supports Digital Services Virtualization. For advanced peripheral support the Advanced Pack also supports USB re-direction, so USB devices can connect seamlessly to the server-based Windows desktop.

VARIO THIN CLIENT - TECHNICAL SPECIFICATIONS

VARIO 322TC-UD9

Order Code	VVA322TC-UD9
Application	Medical thin client system, suitable for hospital applications like RIS, CIS, PACS (not diagnostics), LIS and EPA in hygienically sensitive areas
Thin Client System	UD9
Available operating systems	IGEL Linux (LX) Microsoft® Windows® Embedded Standard 2009 (ES)
Management software	IGEL Universal Management Suite included
Chipset	Intel 945 GSE
CPU	Intel Atom N270 1.6GHz
RAM	1 GB (LX/ES)
Flash memory	2GB (LX/ES)
PCI extension slot	not available
LAN	10/100/1000 Base-T
Graphics	Intel GMA 950 graphics core
Supported display resolutions (max.)	1920 x 1080
Monitor interface	1 x DVI-H, 1 x DVI-D (DVI-to-VGA adapter included)
Interfaces	1 x PS/2 keyboard, 2 x serial, 4 x USB 2.0
Audio	AC97 compatible, 1 x line-out, 1 x mic-In
Other specifications	as VARIO 322C

Optional extensions for VARIO Thin Clients

Stand	Solid metal stand for all VARIO, color RAL 9010 (pure white), fixed height, fixed tilt angle of 18°
Wall mounting solutions	Diverse wall mounting solutions with different functions are available on request
WLAN	Integrated WLAN module IEEE802.11b/g incl. one hygienically optimized antenna on top
External power supply	12/24 V DC input with medical power supply, internal power supply will not be build in
Touch screen	Resistive touch screen for all 19" and 21" VARIO, > 80% translucent, opacity 7-9%

Detailed information of firmware packages

	Operating System	Firmware Package	Management																																																																																																																																																																																																																																																																																																																																																																																																					
			Configuration (local and remote)			Fail-safe Firmware Update-Function			Power Management			Network - TCP/IP, PXE, Wake-on-LAN, DNS, DHCP										Communication																																																																																																																																																																																																																																																																																																																																																																																		
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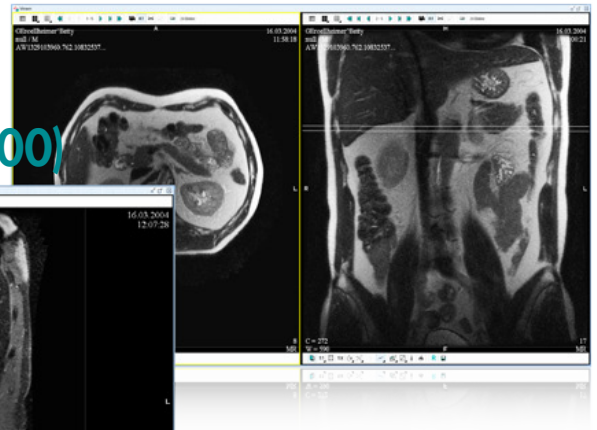
VARIO DISPLAY

Available in three display sizes up to 21.5"
with up to 1920 x 1200 pixels

VARIO Displays are available in three screen diagonals that are suitable for every application. A 19" or 21.5" monitor is ideally suited to operate HIS/PACS and viewing applications.

Should you wish to process a Full HD signal with a resolution of 1920 x 1080 pixels, the 21.5" panel is the right choice.

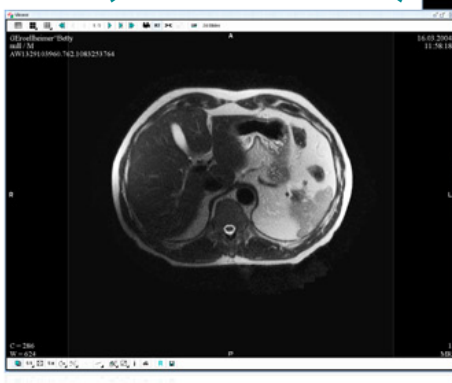
21,5" (1920 x 1080)



21,3" (1600 x 1200)



19" (1280 x 1024)

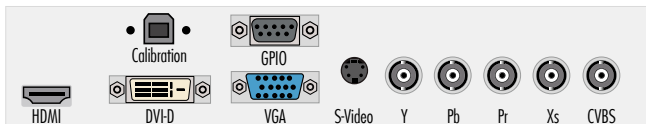


VARIO DISPLAY

Two display controllers provide the right interfaces for every application

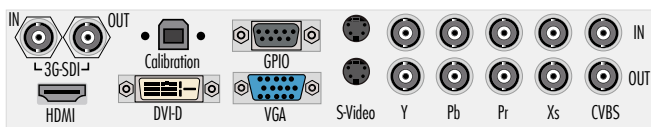
The many applications used in the hospital routine deliver images via a wide variety of signal paths. The VARIO D models provide a digital input (DVI-D) and an analogue input (VGA) for PC image sources, as well as extensive video inputs (see figure above).

STANDARD MONITOR CONTROLLER



The optional Endo models provide connection and loop options tailored to professional video applications, including a HD SDI interface. In order to select the signal directly, each connection has a separate key on the device. An LED signals the selected input.

ENDO MONITOR CONTROLLER WITH 3G AND LOOPS



An integrated luminance sensor warrants a precise and long-term backlight stabilisation

The new VARIO display controllers are equipped with backlight stabilisation. A sensor in the display continuously measures brightness and ensures long-term stable luminance.

For this reason the DICOM Preset as well as a precisely implemented calibration remain stable over a particularly long period of time.

Seven memory slots for screen profiles

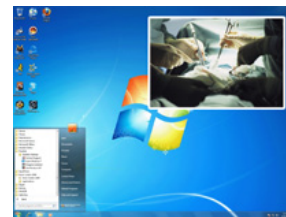
All device settings such as colour settings, video timings and brightness, can be stored in the screen profiles. For this purpose seven memory slots are available. They are easy retrievable with dedicated keys at any time.



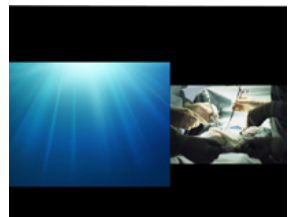
Picture-in-picture function

With the PiP function, different signal sources can be displayed in picture-in-picture mode. Another function is the picture-outside-picture (PoP) function. This allows to display two full images in equal or different size. The proportion of main and sub images can be adjusted and you can easily toggle both sources.

PIP



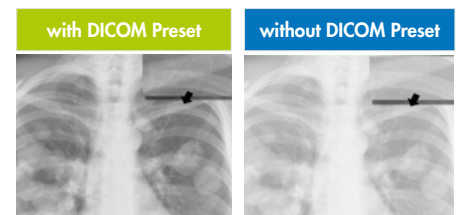
POP



DICOM Preset and hardware LUT calibration for an authentic image display

All VARIO displays are equipped with the practical DICOM Preset. This factory programmed feature provides reliable display and image characteristics in accordance with DICOM standards.

You can use the optionally available PerfectLum calibration software and a measuring device to carry out a flawless DICOM calibration that can be repeated at any time. As part of this process, the DICOM correction is stored in the LUT (look up table) of the monitor and is therefore independent of the graphics card. Furthermore, several monitors can be synchronised. In addition, the software provides a calendar function and reminds the user at a specified interval to perform a test.



Professional BNC interfaces enable simple cabling using RG6 coaxial cables

The video interfaces are available as BNC connectors. This allows the entire video cabling in the operating theatre to be carried out with RG6 coaxial cables (75 Ω).



VARIO DISPLAY - TECHNICAL SPECIFICATIONS

Surgery Display	VARIO 319D	VARIO 321D	VARIO 322D
Order code	VVA319D	VVA321D	VVA322D
Application	Medical viewing monitor, suitable for hospital applications like RIS, CIS, PACS (not diagnostics), LIS and EPA in hygically sensitive areas		
Display			
Diagonal	48 cm (19") Color-LCD-TFT	54 cm (21,3") Color-LCD-TFT	54,6 cm (21,5") Color-LCD-TFT
Brightness	300 cd/m²	300 cd/m²	250 cd/m²
Contrast ratio	1300:1	1000:1	1000:1
Viewing Angle	h: 178° / v: 178°	h: 178° / v: 178°	h: 178° / v: 178°
Resolution physical	1280 x 1024	1600 x 1200	1920 x 1080
Response time	16 ms	16 ms	8 ms
Colours / Grayscale	16,7 million / 256		
LUT (Look Up Table)	DICOM preset, LUT hardware calibration (optionally with Perfectlum calibration kit)		
Interfaces			
PC singnal inputs	1 x Analog , 1 x DVI-D		
Video inputs	1 x S-Video (Mini-DIN), 1 x Component Video (4 x BNC), 1 x CVBS (BNC), 1 x HDMI		
Miscellaneous			
Weight	approx. 10 kg	approx. 12,5 kg	approx.10,5 kg
Physical dimensions (HxWxD)	385,5 x 445 x 99,5 mm	398,5 x 494 x 99,5 mm	350,5 x 546,5 x 94,5 mm
Power supply	Internal power supply AC 110 -240 V, 50/60 Hz single phase (external power supply DV 12 V is optional)		
Power consumption	approx. 50 W	approx. 60 W	approx. 55 W
VESA	VESA 100 mm, 4 mm inserts		
Warranty (Bring-In)	24 month		
Safety			
IP rating	IP65		
IP rated cable grommet	2 x IP65 rated cable grommets, each for 2 or 3 cables, overall up to 6 cables.		
Norms/Regulations	CE, IEC 60601-1, IEC 60601-1-2		

Endoscopy Display	VARIO as 3G VERSION		
Application	Medical Viewing Monitor with advanced video interfaces		
PC Inputs	DVI-D (digital), DVI-I (supports analog out)		
Video Connections	Interface	Input	Output
	Composite 1Vpp 75 Ohm, sync negative	BNC (1x)	BNC (1x)
	S-Video (NTSC) Y: 1Vpp 75 Ohm, positive. Sync: 0.3Vpp, negative C: 0.286Vpp 75 Ohm, positive	4pin Mini DIN	4pin Mini DIN
	S-Video (PAL) Y: 1Vpp 75 Ohm, positive Sync: 0.3Vpp, negative C: 0.3Vpp, negative		
	RGB/Component 0.7Vpp 75 Ohm, positive Sync On Green 0.3Vpp sync negative External sync input: BNC (x1) 2.0 V min - 5.5 V max. +/- bipolarity	BNC (3x)	BNC (3x)
	SD/HD-SDI Signal Characteristics: Digital composite signal Operation at 2.970Gb/s, 2.970/1.001Gb/s, 485Gb/s, 1.485/1.001Gb/s and 270 Mb/s Supports SMPTE 425M (Level A and Level B), SMPTE 424M, SMPTE 292M, SMPTE 259M-C & DVB-ASI	BNC (1x)	BNC (1x)
	Almost all other details like VARIO D		

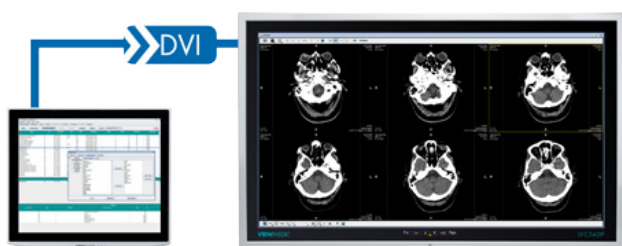
FLEXIBLE COMBINE AND EXPAND

Combining VIEWMEDIC products makes almost any application possible

Many VIEWMEDIC products can be combined with one another and provide the ideal hardware combination for every application. The integrated design of VARIO products provides the ideal preconditions for combining All-in-One-Computer and Displays. For example the VARIO 321C (All-in-One-Computer) could be extended to include a VARIO 319D (Display) as a second monitor.

DVI output and DisplayPort on all VARIO All-in-One-Computer to connect to displays

All VARIO All-in-One-Computer have additional digital monitor outputs (DVI and DisplayPort), allowing the operation of VARIO



displays and large-format devices like the VIEWMEDIC IV-C. Resolutions up to 1920 x 1200 have been tested and approved.

Hygienic mouse-keyboard combination provides a very high level of usability

The convenient MEDIGENIC hygienic keyboard is available in two different designs. The **Compliance** version has an alarm system which reminds the user at specified intervals when to disinfect the keyboard. Two moisture sensors and a pressure sensor recognise when the keyboard has been disinfected.



This function has a high learning effect at all workstations where regular cleaning of the keyboard is not yet part of the daily routine. The backlight is ideal for intensive care units. This ensures safe operation in darkened rooms.

The **Essential** version does not include the alarm system or backlight. Both versions are available in many different languages. The appropriate mouse is part of the package.

Different device mounts for secure wall and ceiling mounting

Most VARIO systems are connected to ceiling-mounted supply systems or are mounted to the wall. To mount the device you can use any VESA 100 compatible mount that supports the weight of VARIO devices. We recommend using high-quality and reliable solutions that have proved themselves in practice. These include both simple wall mounts and height-adjustable systems. Of course, you will also find suitable keyboard mounts in our product range.

Combined with a Flocart, the VARIO forms the ideal system for mobile visits at the patient's bedside

Would you like to be able to use the VARIO flexible in the entire hospital? And to accompany you from unit to unit and also wireless?

The Computer Cart from InterMetro Industries Corp. makes this possible. The Flo Carts are already used successfully in over 900 hospitals. The ideal addition to our VARIO is the Flo 1800 with an integrated battery system and intelligent BatteryPro software.



OPTIONS AND ACCESSORIES

DVD multi drive for data exchange

The VARIO All-in-One-Computer can be equipped with a DVD multi drive. It allows CDs and DVDs of every kind to be read and written.

VARIO C ☒ VARIO TC ☐ VARIO D ☐

WLAN equipment with the latest IEEE standard

With the VARIO WLAN kit you can extend All-in-One-Computer and Thin Clients to include a wireless network connection in accordance with the standards IEEE 802.11n/g/b.

VARIO C ☒ VARIO TC ☒ VARIO D ☐

Serial interfaces – normal and/or galvanically isolated

VARIO All-in-One-Computer can be equipped with up to four serial interfaces (RS-232) and galvanically isolated.

VARIO C ☒ VARIO TC ☐ VARIO D ☐

Galvanically isolated fast Ethernet

The existing gigabit (RJ45) connection is galvanically isolated.

VARIO C ☒ VARIO TC ☒ VARIO D ☐

Ethernet via fibre optics

Two fibre optic adapters were considered during the tests in accordance with IEC 60601-1 and IEC 60601-1-2.

VARIO C ☒ VARIO TC ☐ VARIO D ☐

Integrated DVI to CAT extender

The DVI to CAT extender provides the ideal solution to connect remote monitors, for example on support arms in the operating theatre and in control or conference rooms that are further afield. DVI image signals and mouse / keyboard communication can be transmitted via one Cat5 network cable up to a distance of 140 m.

VARIO C ☒ VARIO TC ☐ VARIO D ☒

Integrated barcode scanner TC 1100

A reasonable and very handy add-on to the VARIO All-in-One-Computer is the integrated bar code scanner. It is used for more and more daily processes in a hospital. The integrated TC 1100 scanner features with excellent reading capabilities. It can detect codes closely to the output window and in a wide reading field with enhanced depth of focus.



VARIO C ☒ VARIO TC ☒ VARIO D ☐

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