

Truelink 4

The OR integration
in less than 14 cm



videomed

Powerful

Up to 25x25 video channels,
Double Recording,
4 channels for
Streaming and
Conference

Compact

3 to 5 Rack Unit
size, suitable for
installation inside OR



High Performance

3D and 4K/UHD
ready, M.A.T.S. and
Time Shift Recording
innovations

Intuitive

New user interface,
color code, Touch
and Touchless
gesture control



Truelink 4

Power doesn't need space

Powerful, high-performance, compact and intuitive: Videomed brings to the market the most innovative and powerful OR integration system ever made.

Videomed introduces a new jewel for OR integration systems: Truelink 4. Four as the key points that make this system a revolution in terms of flexibility and technical capabilities: the most compact and powerful OR integration system ever made.

Truelink 4 combines advanced solutions in OR videomanagement with innovative features to improve surgical team ergonomics and patient's safety. 133mm record size makes this system the only one truly compatible with both an installation outside and inside the operating room. The unit can be easily placed at pendant shelf without the need for external cabling and complex spaces.

A technological achievement never reached before. Videomed always works to make available to its customers video technologies designed specifically for use in surgery. We are totally focused on the study and development of modern solutions: a pioneering partner at your side.



Example of Truelink 4 placed inside an OR. The compactness of the product allows a complete installation with an elegant design.

Powerful

Up to 25x25 video channels,
Double Recording,
4 channels for Streaming
and Conference

Truelink 4 can manage up to 25 input and 25 output video signals, can record two channels simultaneously, may share over network up to four signals at the same time in Streaming and Video Conference. A special medical grade video infrastructure transmits to the monitors with zero latency, to ensure perfect movement coordination in endoscopic procedures.

Truelink 4 offers compatibility with all the video standards inside an operating room, from old analog signals to new UHD and 4K: maximum flexibility for upcoming demands.

Conference and Streaming functionalities connect the operating room with the outside world for different purposes: telemedicine, consulting, teaching and multic conferencing. Truelink 4 has an unmatched processing power that allows to think about tomorrow sure of being already in line with the standards of the future.

Compact
3 to 5 Rack Unit size,
suitable for installation
inside OR



Highest processing power and smallest space footprint: Truelink 4 Main Unit is only 133mm. A cutting-edge integrated OR in the size of an electro-surgical unit.

Thanks to the minimum space required, Truelink 4 can be easily installed on a pendant shelf, significantly simplifying the installation process and technical room needs.

Thanks to a modular concept, Truelink 4 can be expanded with Conference and UHD Units to reach a maximum of 5 rack-units space.

A smart Italian design completes this technological jewel, introducing an elegant device within each operating room.





Monitor 4K with a multiview visualization.

High Performance

3D and 4K/UHD ready,
M.A.T.S. and Time Shift
Recording innovations



The best definition available today, 4K/UHD with full 3D support, for a level of detail never seen before. Moreover, thanks to Time Shift Recording, Truelink 4 can record surgical moment passed since one or five minutes or even going back to the procedure start.

The new M.A.T.S. function automatically creates a video collection of salient surgical moments. Multiple network communication options can run simultaneously to connect the operating room via Streaming or Conference. Truelink 4 is focused on top-level performances, to improve your surgical daily work.

Easy "drag and drop" interface to make it even more intuitive and easy to use Truelink 4.



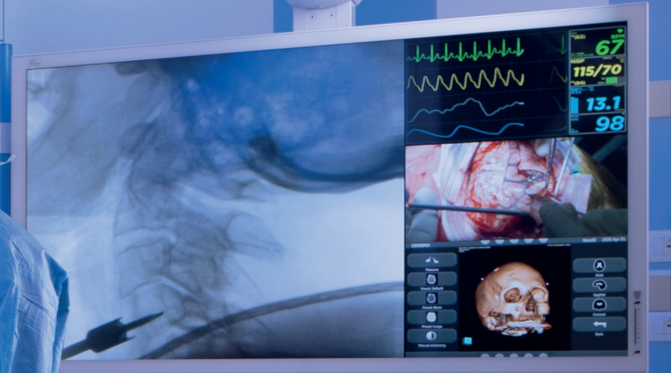
Intuitive

New user interface,
color code,
Touch and Touchless
gesture control

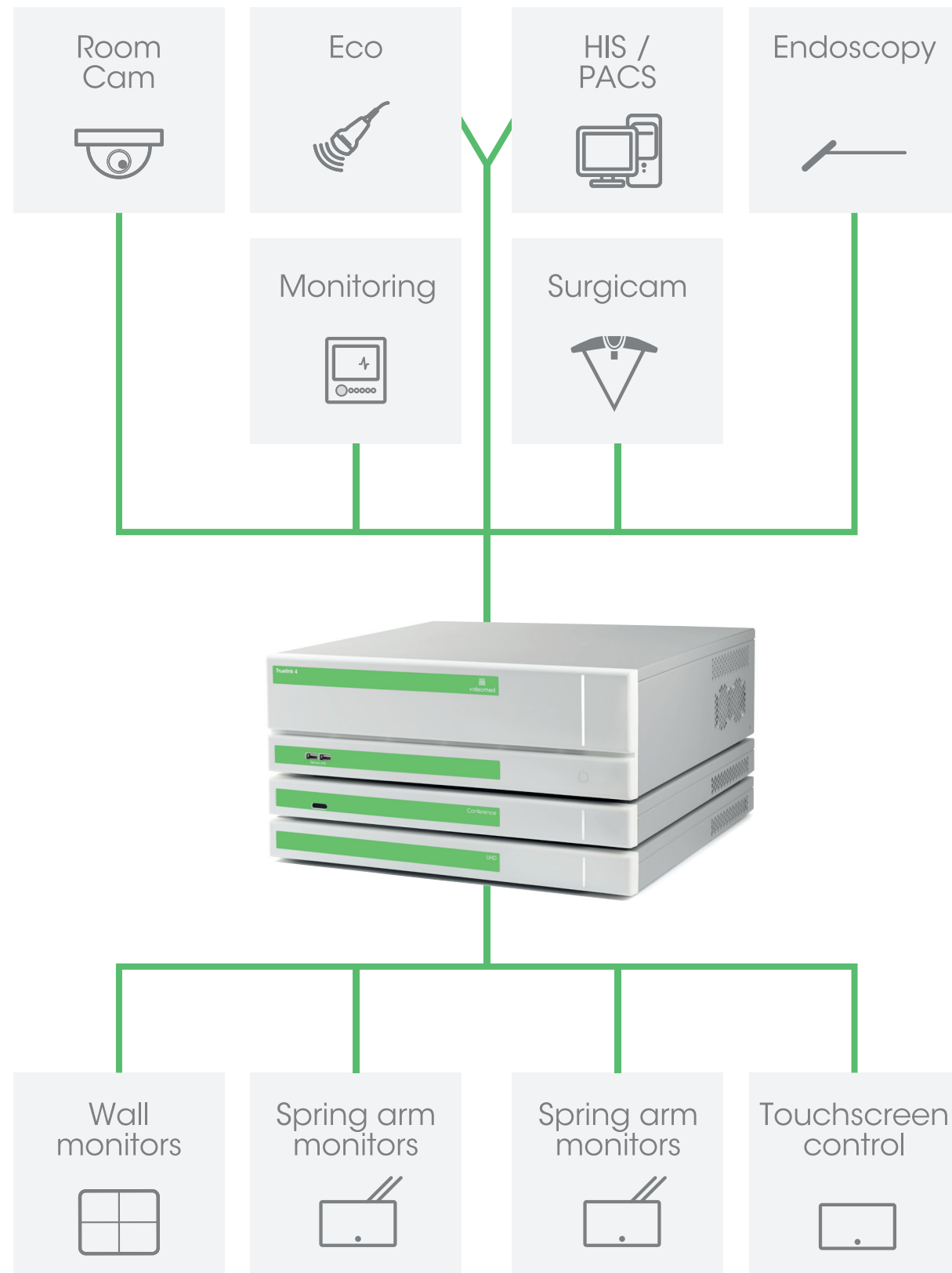
Truelink 4 offers a simple and intuitive control interface, to achieve excellent performance with minimal effort. The touchscreen control is equipped with convenient "drag and drop" actions to activate the most critical functions.

A color code interface helps users to clearly distinguish different functionalities and quickly access the desired commands. Video Routing page shows convenient preview of every source and destination, to have everything under control, in every condition. A smart Presets section collects the most used setups, to be activated with a simple click.

Control of DICOM images can be performed during surgery from a dedicated Workstation or via sterile touchless gestures thanks to exclusive Fluid System. Perfection is measured in terms of simplicity.



OR Video Integration



Video Routing

State of the art medical video distribution: everything starts here



Video Routing unit is the heart of Truelink 4. A dedicated medical grade solution that can handle up to 25 video sources, with resolutions in line with new upcoming standards like 4K and UHD. Unique Videomed technologies permit to transmit video over CAT6 or optical fiber without any external powered box: a solution that realizes simple installation setups, with reduced cabling demands.

The extremely compact size of only 3 rack units allows installation on pendant shelves. A built-in audio mixing unit controls ceiling speakers and Recording / Conferencing audio transmission. Video Routing unit includes also DICOM/HL7

synchronization for EMR patient ID, Surgical checklist, Presets page, Room Camera Control, Device and Surgical Camera Controls and PiP/PaP multiviewer. All these features in only 133mm.

Recording

Smart documentation system



Truelink 4 offers new innovative solutions for recording A/V signals: a double channels system offers the possibility to record two independent sources simultaneously, in 1080p resolution with infrastructure ready for 4K. A Time Shift Recording (TSR) function allows surgeons to record in different modalities: from now on, 1-5 minutes back or since beginning of procedure. The M.A.T.S. (Movie Around the Snap) system can automatically create videos with programmable length around recorded pictures. All these functionalities to give you a new smarter way to track the surgical activity.

Video Conference

Connected with the entire world



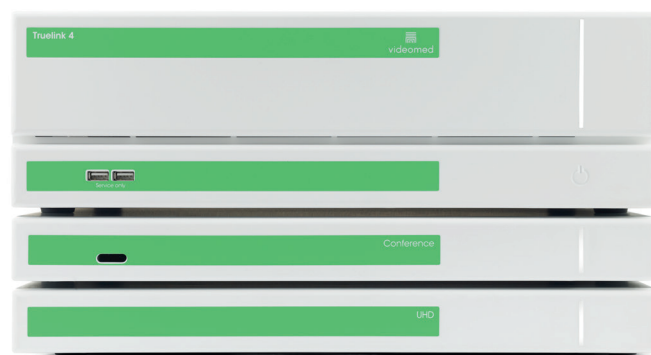
Truelink 4 Conference Unit is the gateway that connects you with the outside world. The quality of transmission is ensured by a forefront hardware encoding system, with bidirectional audio/video communication. With the Dual Video functionality, surgeons can send simultaneously two different video channels, which can be displayed at destination on separate monitors or as picture in picture. All conference controls are in the hands of the operator inside the OR, through a simple user interface offering selection of sources, destinations, address book, personal dashboard with recent calls and live preview of the remote station connected.

Truelink 4 Main with UHD Unit

Supported functionalities	Routing / Recording / Streaming / Device & Room Control / Surgical checklist / Presets Management / RGB control / Multiview / Patient ID manager
Video Channels managed	25 input x 25 output
Supported resolutions	Up to 4k/UHD
Cabling technology:	CAT6 or optic fiber
Touchscreen	24" o 27" capacitive, resolution 1920 x 1080
Aspect	16:9
Touchscreen native resolution	1920 x 1080
Audio Input	3 Mic, 2 Aux Stereo, 1 Videoconference
Audio Output	2 Stereo Amplified, 2 Stereo not amplified
RS232 port for control of devices	12
Recording channels	2 simultaneous
Protocols / Synchronization	DICOM / HL7
Special Recording functions	Time Shift recording, MATS, Streaming SW in HD resolution
Streaming HW	fullHD 1080 60fps with talkback function
Dimensions Main Unit / UHD unit	133 x 430 x 450 mm / 44 x 430 x 450 mm
Power	220-240 V 50-60 Hz AC, medical grade EN 60601-1
USB ports	2 x USB 2.0 front, 3 x USB 3.0 backside
Weight Main unit / UHD unit	13.5 Kg / 8 kg

Conference Unit

Standard Video	H.261, H.263, H.263+, H.264 e H.239 e BFCP comply: 1080p30 e 720p50; 720p60 e 720p50; 720p30 e 720p30
Input Video	2 Inputs: 1 x HD Video In (1080p60/720p60), 1 x DVI-I In (HDMI/VGA enabled) (1080p60/720p60)
Video Outputs:	2 Outputs: 2 x HD Digital video out (1080p60/720p60)
HD Audio	MicPod 100Hz up to 16 kHz, Mute function
Dimensions	44mm x 430 x 450 mm
Weight	8 kg
Power	220-240 V 50-60 Hz AC medical grade EN60601-1



Videomed Leading innovation in OR integration

Videomed products incorporate the latest technology to offer the best performances in OR integration.

Our vision is focused on new ways to improve the daily activity of surgical teams. We work by your side to anticipate tomorrow's demands creating today the most advanced video technology solutions.

Videomed provides innovative video integration solutions for operating rooms and medical facilities. Our team takes care of the product from every perspective: from R&D that designs both hardware and software, to technical consultants for exploring all the configuration

possibilities, up to the installation teams following each realization in detail. A working group constantly focused on new technologies with a particular attention to ergonomics, usability and design. Videomed has an Italian heart and an international vocation. Professional partners all over the world work every day to bring these technologies to your service. Innovation, continuous research, design, attention to detail: Videomed brings the high quality of Made in Italy in the world of the operating room.

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