

TruVidia:

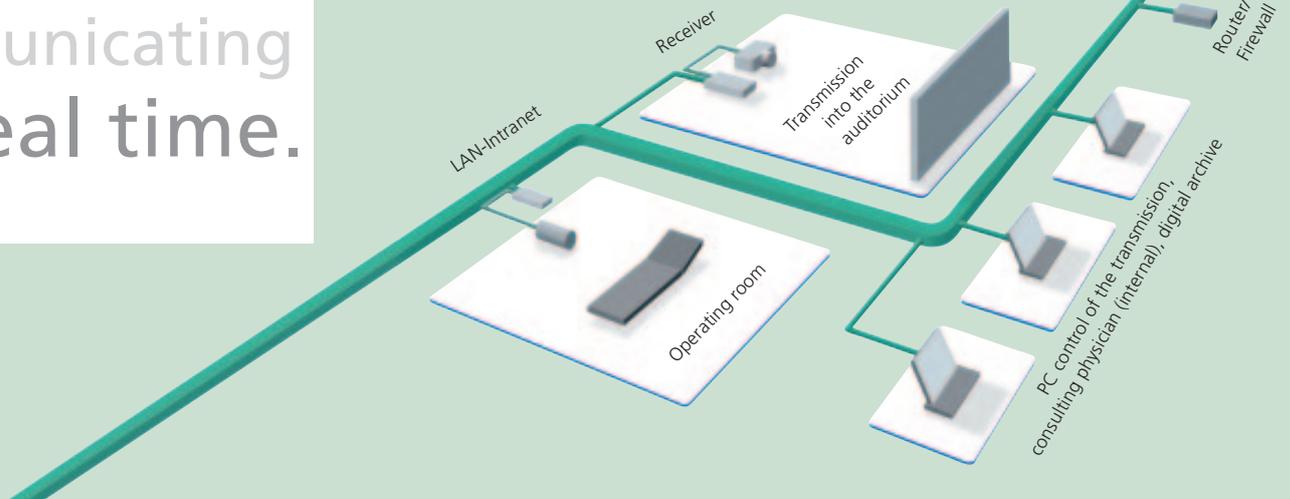
Clarity  
brings us  
together

The newest generation of the innovative video and communications system operating rooms.

Machine tools/Power tools  
Laser technology/Electronics  
Medical technology



# Experts communicating in real time.



Medical advancements depend on an interactive exchange of scientific and interdisciplinary expertise. To create this environment, future-oriented clinics are relying more and more on integrated transmission systems that broadcast the flow of information beyond spatial borders.

Telemedicine connects people who work with each other, whether for training purposes or for consultations between experts. As an integrated communications solution, telemedicine connects important internal and external interfaces used in the day-to-day operation of clinics. This permits interactive cooperation between operating rooms and physicians' offices, additional clinics, universities and research laboratories.



A promising innovation for clinics: TruVidia.

**A clear focus on your requirements.**

With TruVidia HD, TRUMPF has developed the world's first in-light surgical camera. With a resolution which is five times higher than that of SD systems, it also fulfils the greatest visual demands. The result: crystal clear images for the entire communications process.

**Always the right decision at the right time.**

With its excellent image quality and outputs for extensive networking, TruVidia makes possible direct exchanges with other physicians. All important data can be saved in the digital patient file, or economically and conveniently on a USB stick.

**Intelligent architecture and ergonomics.**

By integrating standard interfaces, TruVidia fits into the existing clinic infrastructure wirelessly without additional installation costs. Its individual settings options provide the greatest possible efficiency with maximum ease of use.

**Ahead of its time.**

At TRUMPF, we define progress as the continuous advancement of our products – including TruVidia. The newest generation features innovative functions – such as a video output with 3G-SDI-technology, integrated Adaptive Light Control Plus (ALC Plus) function, and new HD monitors and TFT adapter bracket, optimized for monitors in the current 16:9 format.

# The difference when it comes to precision.



## Digital operating rooms – from standard to high definition.

By integrating the latest HD technology into the open architecture of the TruVidia camera system, the full potential of digitally integrated solutions can be utilised. Thanks to the resolution of up to 1080p and two million pixels, the quality of the images and videos transmitted by TruVidia HD is five times better than by ordinary standard-definition systems such as PAL or NTSC.

Standardised interfaces and video signals permit the external control and video-routing of the most varied video and data sources from anywhere in the hospital to the requested monitors.

- Support of all standard signal formats: 3G SDI, HD-SDI or DVI with full HD-resolution up to 1080p, as well as an analogue HD-Signal (YUV) and two SD-signals (S-Video and FBAS)
- Interference-free transmission of HD signals in 1080p even over long distances with robust BNC cables, or with an optical adapter over fiber-optic cable
- Optional codec for digital live streaming of video sequences over LAN or Internet – and in HD quality if required

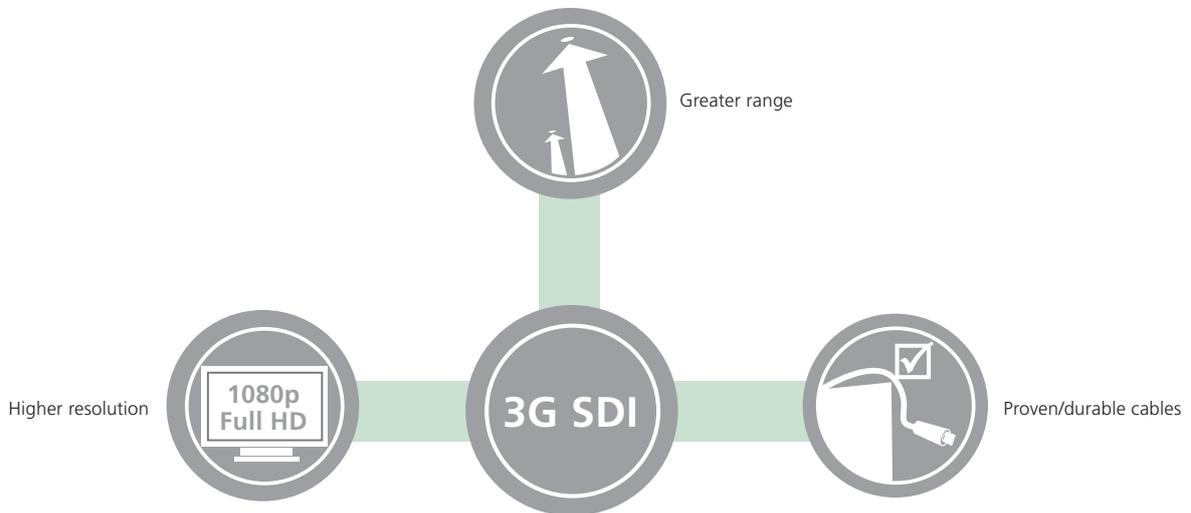
## Image transmission without compromise.

### **3G-SDI: cutting-edge high definition.**

The latest TruVidia generation proves that true 1080p full HD can now be easy to use, reliable, and inexpensive. As a new alternative to optical or DVI output connections, TruVidia is the first to enable the transmission of HD video signals in 1080p resolution via standard coaxial cables, thanks to its integrated 3G-SDI-technology. Take advantage of state-of-the-art video transmission with fewer hassles.

With the optional use of this standard cable type, 3G SDI delivers considerable added value in terms of economics and ease of installation: The cables are resistant to breakage and guarantee reliable transmission over long distances. As a result, 3G SDI represents a more professional and economical choice than DVI solutions.

### **The advantages of 3G SDI at a glance:**



# Flexibility without compromises.

TruVidia: camera solutions for individual requirements.

Every clinic has its own idea of an ideal communications system. With TruVidia, you can choose from various camera solutions that support you perfectly with their modular construction and intuitive operation.

### Invest according to your needs.

- From the basic Fix-Focus equipment to TruVidia SD 2000, through to high-end HD camera TruVidia HD 7500 with HD-streaming over the network
- Modular construction and forward and backward compatibility of TruVidia HD with TruVidia SD preparations

### Intelligent operating concept.

- TruVidia control unit operates for all camera functions and video or data exchange in all popular signal formats
- Serial interface for remote control by external systems
- Surgeons can operate the three most important camera functions from within the sterile field

### On-site installation.

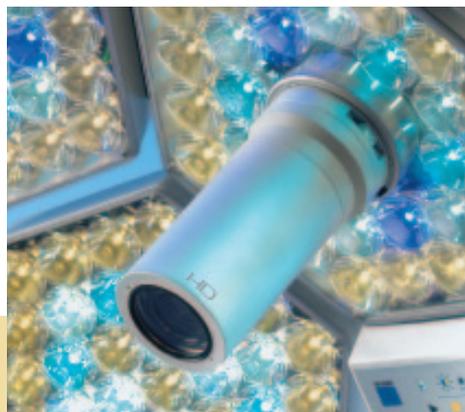
- Can be directly installed on the operating light or on a separate support arm
- Camera and monitor module can be freely rotated and flexibly positioned
- Modular design enables users to move the camera from room to room, quickly and easily



TruVidia HD control unit



TruVidia SD on a separate support arm.



TruVidia HD integrated into an iLED5 light.



iLED5 control panel with integrated camera function.



A clear view where it's needed.

**TruVidia – Flexibility.**

As you turn and move it: TruVidia guarantees you a multitude of combination possibilities – from the installation of several monitors on one support arm to the choice between a separately attached camera or one that is integrated into the operating light.

The adjustable support arm system offers you the greatest possible flexibility:

- Simple, tension-supported positioning of up to three supporting arms per axis
- Surgical lights, flat panels, and cameras exist in countless combinations to meet your needs
- Compatible with all monitor sizes up to a 26-inch screen for HD signals
- Three different VidiaPort monitor adapters

Thanks to its modular construction and flexible positioning, TruVidia uniquely adapts to your demands while complying with required ergonomic and safety standards, thus ensuring the optimal use of space in the operating room.

TruVidia: an economical concept.

Depending on your requirements, combine TruVidia HD with components that are already installed, or use TruVidia HD and SD on the same operating light. In this way, you can re-equip with the latest technology as you need it.



Can be combined on up to four support arms: TFT-Monitor, TruLight 5510, iLED5. TruVidia on separate support arm and TruVidia integrated into the light's housing.

Arrive in best form.

**The medical monitors in the TruVidia camera system.**

To implement TruVidia's excellent imaging and transmission quality for video display, TRUMPF now provides an updated selection of high-quality, high-resolution TFT monitors – from standard 19-inch displays to high-quality HD monitors in 16:9 format.

Thanks to full HD resolution and automatic synchronisation of the colour temperature between iLED and TruVidia, monitors also display maximum accuracy of detail and life-like images. The high-quality housing materials and fully enclosed, fanless design ensure the reliable adherence to hygienic standards.

- Compact and manoeuvrable: the 24-inch HD flat screen for assembly and flexible positioning on the VidiaPort support system
- New in the portfolio: 26-inch HD flat screen with 3G SDI-input, higher imaging performance, and easy installation with optimized TFT brackets
- With an eye for detail: the 42 or 55-inch HD flat screen for assembly on the UniPort comline



19"

24"

26"



Constant illumination: With Adaptive Light Control Plus, TruVidia automatically ensures constant illumination intensity at different working distances.

## Intelligent operating convenience: Adaptive Light Control Plus.

The innovative Adaptive Light Control Plus technology is an integral component of the TruVidia video solution. The LEDs are electronically controlled for optimal illumination of the surgical field.

If the light fixture is moved during surgery, the camera's "auto focus" feature automatically measures the distance to the surgical site and precisely adjusts the illumination, allowing the surgeon to concentrate fully on the surgery itself.

Additional information on Adaptive Light Control Plus is available in the TruLight product brochure.

## TRUMPF Medical Systems worldwide.

### **TRUMPF Medizin Systeme GmbH + Co. KG**

Head office:

Carl-Zeiss-Straße 7–9

07318 Saalfeld

Germany

Tel +49 (0) 36 71 / 5 86-0

Fax +49 (0) 36 71 / 5 86-4 11 66

E-mail [med@trumpf.com](mailto:med@trumpf.com)

[www.trumpf.com](http://www.trumpf.com)

Puchheim works:

Benzstraße 26

82178 Puchheim

Germany

Tel +49 (0) 89 / 8 09 07-0

Fax +49 (0) 89 / 8 09 07-40 020

E-mail [med@trumpf.com](mailto:med@trumpf.com)

[www.trumpf.com](http://www.trumpf.com)

### **Subsidiaries and branch offices:**

#### **Austria**

TRUMPF Medizin Systeme Österreich GmbH

#### **France**

TRUMPF AMSA SAS

#### **Great Britain**

TRUMPF Medical Systems Ltd.

#### **Italy**

TRUMPF MED Italia s.r.l.

#### **USA**

TRUMPF Medical Systems, Inc.

#### **Australia**

TRUMPF MED Australia

#### **Singapore**

TRUMPF (Pte.) Ltd. (Medical Division)

#### **China**

TRUMPF Medical Systems Ltd.

#### **United Arab Emirates**

TRUMPF Medical Systems Dubai

#### **Russia**

TRUMPF Med OOO