G&D

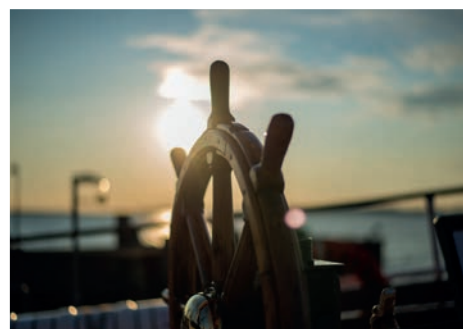# For ships, harbours & offshore

Absolute safety
and robustness
even under extreme
conditions

G&D IF IT'S KVM

G&D IF IT'S KVM

Guntermann & Drunck GmbH is regarded as one of the leading manufacturers of digital and analog KVM solutions for numerous maritime applications like control centres or equipment rooms. The separation of humans and computers on bridges or in control rooms has many advantages for standardising processes and improving the crew's working environment.

When it comes to applying our KVM products in maritime environments like dredging vessels or offshore platforms, we know exactly what our customers want and are able to provide products matching these requirements.

We can't control the wind,
but we can set the sails.

Viking proverb
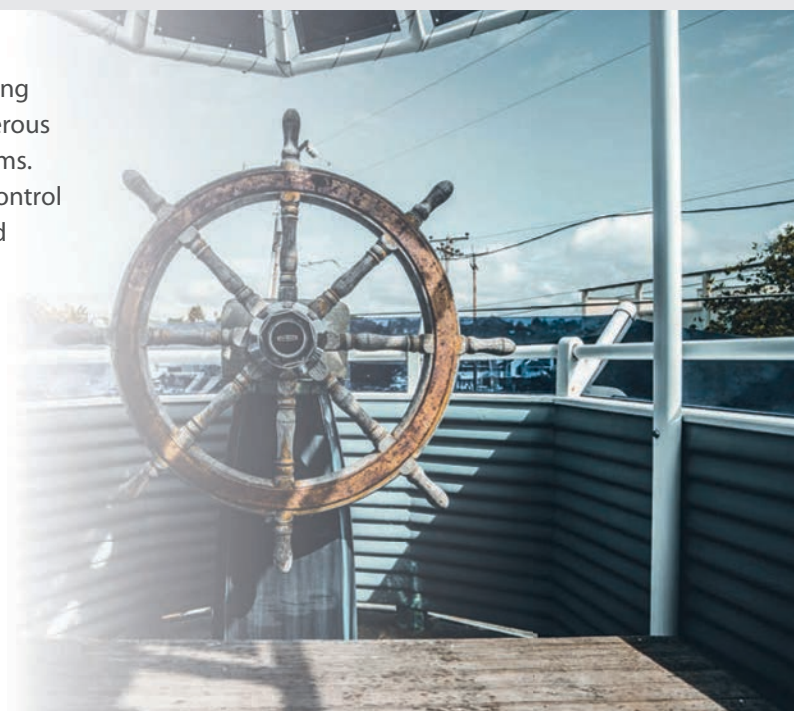
KVM solutions for:

- Control stations on ships
- Maritime control rooms
- Monitor harbours and seaways
- Offshore industries

With a broad portfolio of powerful products to extend, switch and distribute keyboard, video and mouse signals and many years of experience when it comes to installing systems on vessels and offshore platforms, G&D provides users from maritime industries with maximum customer benefits and real added value.

In its industries, G&D is considered a top performer regarding:

- Failure safety, redundancies and preventive monitoring in Air Traffic Control
- Reliable 24/7 operation especially during live broadcasts in the broadcast industry
- Highest quality requirements regarding failure safety, long operating times and life of products for all applications in control rooms of industrial automation
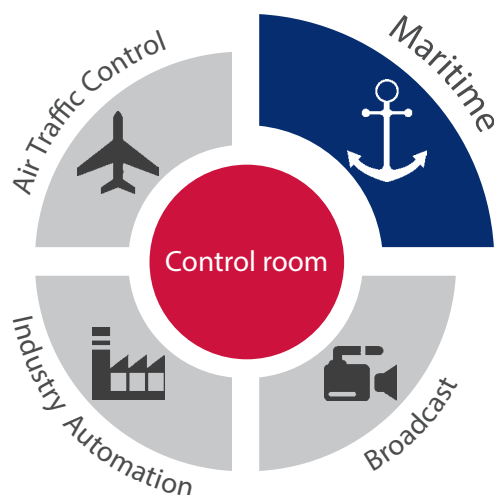
KVM extenders

Products for extending computer signals over long distances

- **DP1.2-VisionXG**
- **DP1.2-Vision/DP-Vision**
- **DL-DVI-Vision/DVI-Vision**
- **DP-Vision-IP**

KVM switches

Products for operating multiple computers by one workplace

- **DP1.2-MUX3-ATC**
- **DP1.2-MUX-NT**
- **DL-DVI-MUX-NT**
- **DVIMUX**

KVM matrix systems

Products for simultaneously operating multiple computers via multiple workplaces

- **ControlCenter-Compact**
- **ControlCenter-Digital**
- **ControlCenter-IP**
- **CrossDisplay-Switching**

KVM add-ons

Products for increasing productivity of various KVM applications

- **Präventives Monitoring**
- **Screene-Freeze-Funktion**
- **HK-Controller**

KVM solutions for control stations on ships

### On the high seas, safety is extremely important

Both captain and crew always need to be able to rely on the technical equipment on board to maintain a clear view on location, route, speed and weather. All of these aspects demand a lot from the IT equipment.

Due to changing weather and a rough operating environment with salty air, high air humidity, waves and vibrations, IT parts must be stored in special equipment rooms.

Independent from any network

Guntermann & Drunck's user-friendly KVM extenders, switches and matrix systems extend, switch and distribute computer signals from the equipment room to the bridge. From here, the crew can access the remote computers in real time without experiencing any latencies or loss in quality.

Depending on requirements, the devices can bridge distances up to 10,000 m – without additional software and independent from the network. The computers are stored in an access-protected central equipment room (see figure down below).

Bridge

Server room

2

2

1

1

■ KVM matrix system ControlCenter-Digital

■ KVM console module DVI-CON
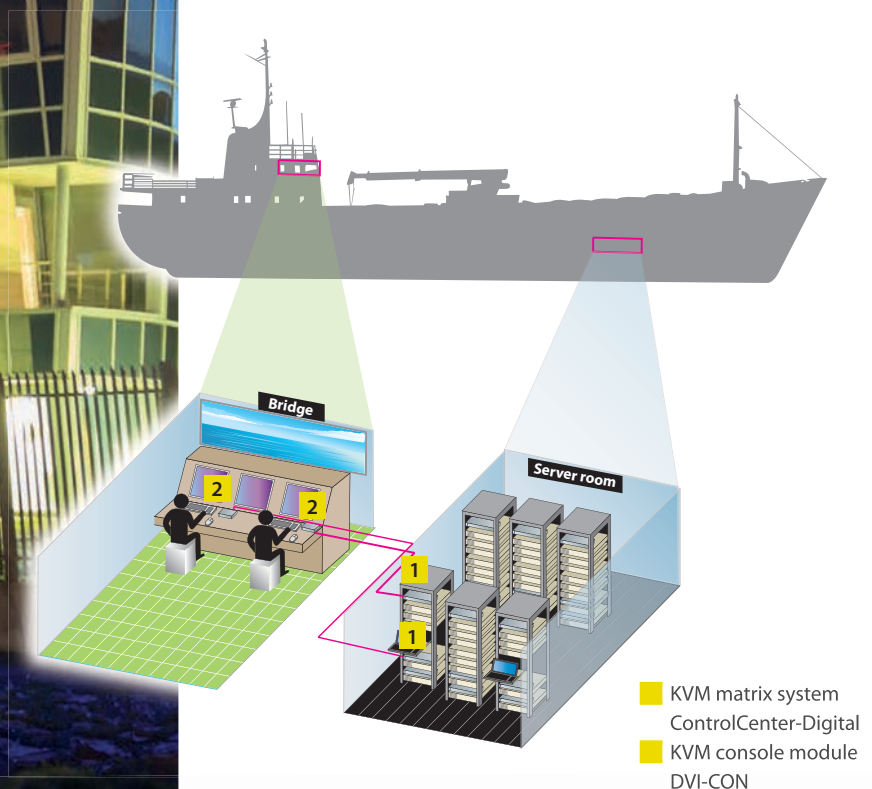
Safety, robustness and efficiency on the high seas

Computer modules (e.g. DVI-CPU) connect the computers to the central matrix system (e.g. Control-Center-Digital). The consoles on bridges are provided with receiver modules (e.g. DVI-CON).

Through their connection to the matrix switch, each console on the bridge has direct access to the remote computers. Now all computers can be operated from various consoles. User profiles control the access to the system.

G&D's KVM products are optimised for maritime applications. Our products undergo thorough tests. G&D devices can be used in sensitive environments, are protected against compromising emanations and can be applied in Tempest Zone I surroundings.

Using only high-quality components guarantees a long life for every product.

G&D's devices focus on user-oriented functions

- Redundancy & fallback systems for more safety
- Screen-Freeze function keeping the last radar image available
- Push-Get function to show screen contents on other monitors or large screens
- OperatorPanel for easy switching by pressing a button
- Products as 12 V or 24 V variants

High reliability as standard

On ships, various processes must be monitored 24/7. Many large and small control rooms are required to monitor drive and automation technology, video, AC and ventilation or to ensure peace and prevent conflicts. In other control rooms, processes like helicopter landings can be monitored and controlled either centrally or locally. But monitoring many processes at the same time also requires many computers.

Process control

Depending on their size, ships require extensive computer equipment to monitor multiple processes 24/7. Extremely robust and reliable KVM products fulfil any technical demands.

Endurance test for products

With G&D, you can rely on always being able to operate and access your computers. Applying IT on the high seas demands much from the equipment – G&D devices can cope with any environment.
Sensitive IT equipment is separated from the actual consoles and placed in a central server room where the devices are protected from the weather and unauthorized access.

Connected to a matrix system, computer signals are available in the control room without any delays. The board crew can access any required information from various consoles.

Some of G&D's products for maritime use are compliant with IEC 60945. Therefore, they are tested according to IEC 60945, a test method for navigation and radio communication equipment and systems for the use in maritime applications.

G&D products comply with more standards than many other thus confirming the German manufacturer's position as a leading manufacturer of KVM products.

Tailored solutions

Depending on the type of video signal you want to transmit – digital (DP, HDMI, DVI) or analog (VGA) – you can apply different KVM matrix components.

Even for heterogeneous IT installations that must be able to support both digital and analog signals, G&D offer suitable solutions for implementing mixed computer landscapes. Existing hardware and software can thus still be used.

Push-Get function

The Push-Get function of matrix systems lets users move screen contents from one console to another or to large screens. And if need be, they can also get it from there to display it on their own screens.

This solution does not only reduce the number of computers, but also improves the communication, flexibility and speed within the team since team member can now join forces to solve tasks.

1 KVM matrix system
2 KVM console module
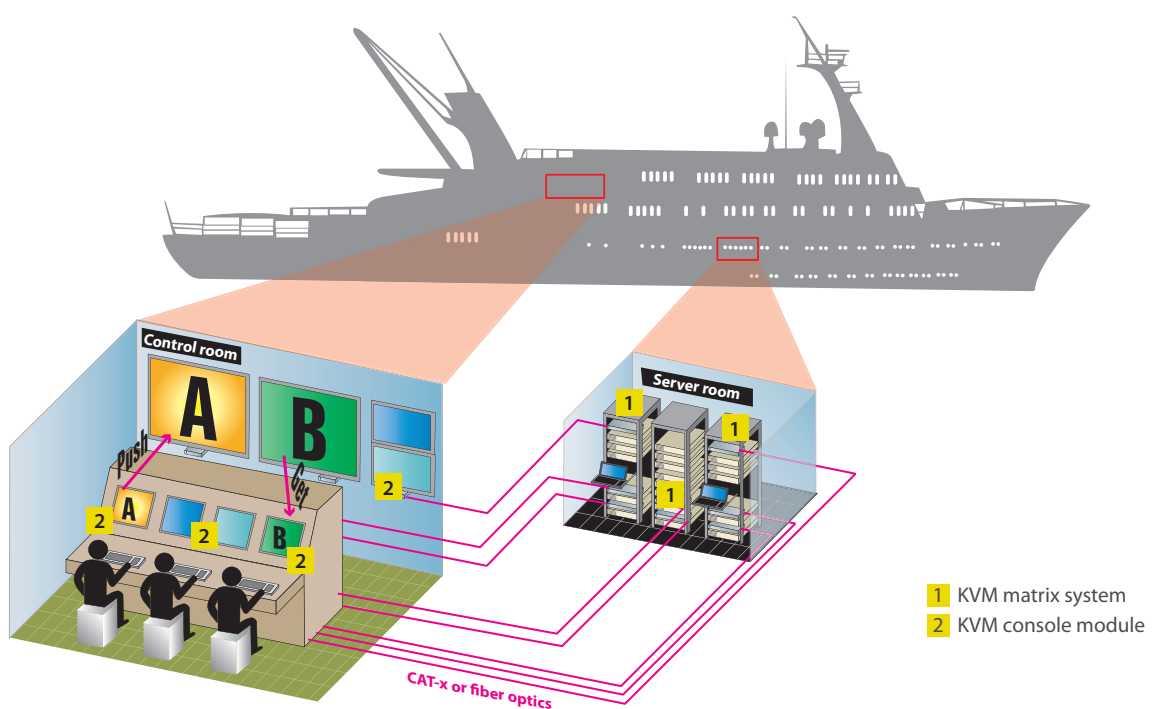
KVM solutions to monitor harbours and seaways

Reliable products – 24/7

Offshore or onshore – we have the fitting solution. Monitoring harbours and seaways require permanent control and coordination.
Therefore employees need the best ergonomic conditions supporting them in their important tasks during which they need to stay focussed and react fast.

Efficient and user-friendly

High-end KVM products from Guntermann & Drunck are optimised to be applied in these environments. They can easily be called the spine of computer technology in harbours. To make working in control rooms even more efficient and ergonomic, we recommend separating computers from operators.
If some computers are to be assigned to particular employees various KVM extender systems (see figure on the right) can be applied according to the transmitted video signal or transmission medium (optical fibres or CAT cables). Extender systems establish a direct connection to the console using existing cable structures.

Tailored solutions

Users benefit from maximum performance and usability since KVM systems enable them to work flexibly and without any distractions. We even have fitting solutions if you need to monitor multiple computers and processes at the same time. Here, KVM switches come in handy. With one switch only, users can operate up to eight computers using one keyboard and one mouse. Depending on requirements, products transmit up to four video channels. Switching between channels takes place by pressing a button at the front of the device, hotkeys or using an external device.

Worldwide unique function

With the innovative CrossDisplay-Switching as a part of the TradeSwitch function, users can use the mouse to easily switch between channels. The mouse acts as if on a "virtual desktop" and can be moved seamlessly across the connected displays. Moving the cursor from active to another display, the keyboard mouse focus automatically switches to the connected computer. Now users can create a multi-monitor console and need only one keyboard and one mouse to operate all computers.

Being the first manufacturer worldwide to implement monitoring and SNMP functions, our devices help you monitor

- Device statuses of G&D products
- Device statuses of connected peripherals

Now administrators can already react to critical values (e. g. increased temperatures, errors in the communication with the keyboard interface or problems with redundant systems) before they lead to failures.

Control room
Vessel Traffic Service

CAT-x or fiber optics

Server room

1 KVM matrix system
2 KVM matrix console module
3 KVM extender, transmitter
4 KVM extender, receiver
5 KVM TFT keyboard drawer,
  RackConsole
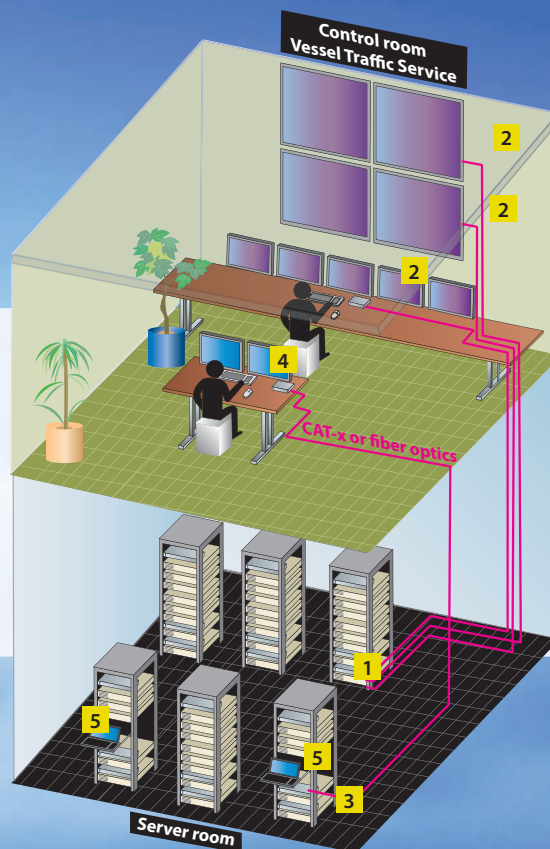
KVM solutions for offshore industries

As technological leader of high-end KVM solutions, we know about the high demands to safety and operation in the offshore industry. Hence, our KVM systems provide various features such as monitoring, SNMP or the Screen-Freeze function, which is optimised for the special requirements of offshore control rooms.

Robust and reliable

KVM products from Guntermann & Drunck are the rock in turbulent waters – extremely robust and reliable. Changing weather and the rough sea air are unable to harm the devices. By applying G&D products users have direct access to sensitive IT equipment stored safely in the server room.

To prevent failures our devices include redundant components (e.g. power packs) guaranteeing smooth operation. Using only high-quality components, we can guarantee a long life for every product.

Screen-Freeze function

If the display loses the video signal due to a broken connection or a problem with the computer's graphics card, the Screen-Freeze function „freezes" the last image displayed on the monitor. Therefore, controllers are informed about malfunctions and, for example, know where nearby ships were located before the error occurred. This state is highlighted by a red semi-transparent frame. On screen a timer informs you how long the video signal has been interrupted so far. The function is automatically cancelled when the display receives an active video signal.

Control desk 1 **Control desk 2**

CAT-x cable

fiber optics

CAT-x cable

Server room
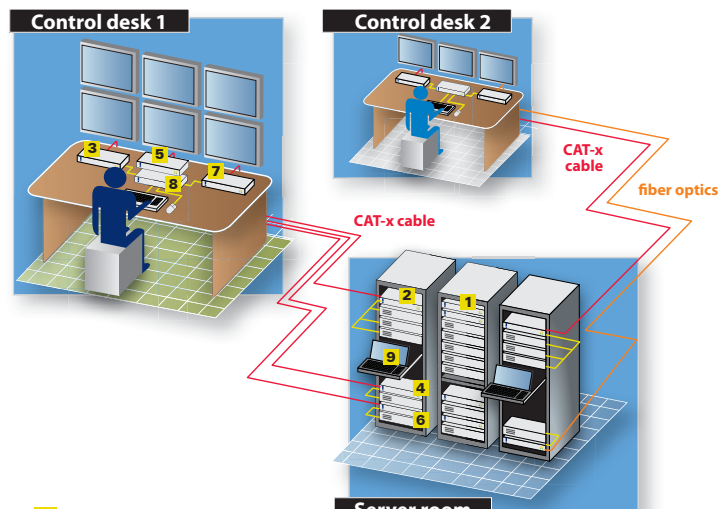
1	KVM matrix (master)
2	KVM matrix (slave)
3	KVM matrix console module
4	KVM extender, VGA video, transmitter
5	KVM extender, VGA video, receiver
6	KVM extender DVI video, transmitter
7	KVM extender, DVI video, receiver
8	KM switch, TradeSwitch
9	KVM TFT keyboard drawer, RackConsole

The following KVM extenders support the Screen-Freeze function:

- DP1.2-VisionXG
- DP1.2-Vision
- DP1.2-Vision-IP
- DP-Vision
- DP-Vision-IP
- DL-DVI-Vision
- DL-DVI-Vision-IP

- DVI-Vision
- DVI-Vision-IP
- DL-Vision(-DP)
- every KVM matrix component

KVM aboard luxury cruise liners & super yachts

KVM solutions by Guntermann & Drunck are deployed across all marine sectors, wherever safety and control matter. Fitting-out luxury cruise liners and super yachts makes no exception, because KVM solutions are equally important as in any other control room or safety relevant environment.

Additionally it is possible to display any kind of passenger information in real time anywhere aboard the vessel via latency free video extenders.

Versatile use

KVM solutions are mainly deployed in wheelhouses, engine control rooms and safety command centres as well as in production and entertainment areas.
The heart of the vessel is the wheelhouse, where the captain and his crew need to work fully concentrated in a noise free environment. All relevant information has to be made accessible at any time, unhampered by maintenance work or weather conditions.

Removing all computers into an airconditioned server room frees up space and reduces heat and noise level at the same time. Besides your computers are safely stored away and protected from unauthorised access.

IEC 60945 compliant security, Tempest and more

*G&D carefully selected specific products of their portfolio to have them tested according to specification IEC 60945.
Complying with this norm, G&D KVM products are now ready to be applied in engine
rooms, technology rooms and even on ship bridges, IEC 60945 approved G&D KVM solutions qualify for usage alongside navigation and radio communication equipment. The specification includes numerous tests regarding the environment (heat, cold, vibration), security and electromagnetic compatibility (EMC) and meets an international standard.*

If you wish to find out more about the range of IEC 60945 approved products, please, do contact the manufacturer.

Selected KVM Switches made by Guntermann & Drunck are also Tempest certified for deployment in areas where public and military safety are concerned.

KVM extenders

Digital and analog extenders enable you to operate your computers over distances up to 10,000 m whilst maintaining real-time performance.
The systems consist of a transmitter and a receiver module. A local console at the transmitter module placed in the server room makes it easy for the IT staff to maintain the system.

KVM extenders transmit the following computer signals:

- DisplayPort™1.2a + 1.1a, HDMI, DVI (single link & dual link) and VGA
- Keyboard/mouse (PS/2 & USB)
- USB 2.0 transparent
- Audio & RS232
- Signal transmission over standard IP-based networks, CAT or up to 10.000 m via fiber optics
- Real time perfomance
- Remote power swichting sequences
- For up to four video channels
- Predictive maintanance via SMNP and Monitoring
- Redundant power supply
- Two network interfaces
- Screen-Freeze function
- Transparent transmission of E-DDC information
- Ident LED for locating device in large installations

KVM switches

DP, DVI and VGA KVM switches are designed to operate 2 to 8 computers via one console consisting of keyboard, monitor and mouse.
By cascading several KVM switches, it is possible to switch and operate up to 64 computers from one workstation.

Our DVI switches also transmit VGA video signals and so enable users to work in mixed mode.

These KVM devices switch the following computer signals:

- DisplayPort™1.2a + 1.1a, DVI (single link & dual link) and VGA
- Keyboard/mouse (PS/2 & USB)
- USB 2.0 transparent, USB 3.0 transparent
- Audio
- Mixed operation of DP, DVI and VGA on input and output side
- Available as variants transmitting 1, 2, 3 or 4 video channels
- Work in a user-friendly and ergonomic environment and have less peripherals at your desk

KVM matrix systems

With KVM matrix systems you can access multiple computers over multiple user consoles simultaneously. They consist of computer modules, central modules and user modules. G&D products allow a flexible operation of large, distributed IT installations even with multiple user consoles connected.

Our KVM matrix systems transmit the following signals:

- DisplayPort™1.2a + 1.1a, HDMI, DVI (single link & dual link), bidirectional signals and VGA
- Keyboard/mouse (PS/2 & USB)
- Audio
- RS232 and USB 2.0 transparent
- USB 3.0 transparent (CCD-160 + CCD-288)
- Signal transmission over standard IP-based networks, CAT or up to 10.000 m via fiber optics
- Available as variants transmitting multi-channel video
- Several thousand computers can be connected in cascading or with the KVM Matrix-Grid™
- Remote access (local and over IP)
- Push-Get function to show screen contents on other monitors or large screen projections
- Intuitive swichting via CrossDisplay-Swichting

KVM add-ons

Add-on products increase productivity and efficiency of computer application.
G&D provides the following add-on products:

- TFT-RackConsoles for DisplayPort, single link DVI and VGA; 17" display requires only 1 HU
- Programmable input devices for optimised device control
- Solutions for space-saving rack fasteners
- Easy switching of KVM switches by pressing a button (Operator Panel)
- Centralized, proactive monitoring and configuration of network-capable G&D devices
- Integration of your individual applicated operating concepts (e.g. via touch panels)

With the most reliable and proven G&D KVM extenders, you can access computers from a distance of up to 10,000 m in real time without loss of quality. A system always consists of a transmitter and a receiver module.

Common features of the digital extenders

- Range up to 140 m via CAT and up to 10,000 m via fiber optics
- Single- and multi-channel variants
- E-EDID support
- Redundant power supply
- Ident LED to quickly find devices in complex installations
- Screen-Freeze function
- Operation and configuration via web interface and OSD
- Network interface
- Mix & Match – can be operated in extender or matrix mode

The digital extenders transmit the signals:

- DisplayPort™, HDMI, DVI and VGA (Depending on variants)
- Keyboard/mouse (USB & PS/2)
- Audio stereo bidirectional
- RS232 transparent
- USB 2.0 transparent (optional)
- Generic USB HID

DP1.2-VisionXG

Extension of DisplayPort™ uncompressed via optical fiber

- Resolution per channel up to
  4096 x 2160 @ 60 Hz (4K @ 60 Hz),
  3840 x 2160 @ 60 Hz (Ultra-HD @ 60 Hz)*
- Supports 4K and UltraHD resolutions at 60 Hz
- Supports 8K resolutions at 30 Hz using two video channels
- Supports 8K resolutions at 60 Hz using four video channels
- Uncompressed, transparent image transmission for perfect latency-free images – pixel by pixel
- Generic implementation of DDC/CI information possible
- Supports nVidia 3D-Vision 120Hz:
  1680 x 1050 @ 120Hz
- Ventilation concept for the use in cold/hot aisle installations

The DP1.2-VisionXG also extends the signals:

- DisplayPort™1.2a video
- Embedded audio on DisplayPort up to stereo PCM

DP1.2-VisionXG-Fiber-MC2

DP1.2-VisionXG-Fiber-MC4

* Further VESA and CEA standardised resolution possible for video bandwith/pixel rate and horizontal/vertical frequency.

With the most reliable and proven G&D KVM extenders, you can access computers from a distance of up to 10,000 m in real time without loss of quality. A system always consists of a transmitter and a receiver module.

The DP1.2-Vision also extends the signal:

• DisplayPort™1.2a video

The DP-Vision also extends the signal:

• DisplayPort™1.1a video

DP1.2-Vision + DP-Vision

DisplayPort™ via CAT or fiber optics

■ **DP1.2-Vision** exemplary resolutions:
4096 x 2160 @ 60 Hz (4K @ 60 Hz),
3840 x 2160 @ 60Hz (U-HD @ 60 Hz)*

■ **DP-Vision** exemplary resolution:
2560 x 1600 @ 60 Hz*

■ Transmission is compressed, pixel perfect, with low latency and ideal hand eye coordination

■ Embedded audio on DisplayPort up to stereo PCM

DP1.2-Vision-CAT

DL-DVI-Vision + DVI-Vision

Digital dual link or single link video via optical fiber or CAT cable

■ **DL-DVI-Vision:**
Resolution up to 2560 x 1600 @ 60 Hz and 1280 x 1024 @ 85 Hz*

■ **DVI-Vision:**
Resolution up to 1920 x 1200 @ 60 Hz and 1280 x 1024 @ 85 Hz (incl. FUll HD, 1080p)*

■ Supports digital and analog monitors at the console

The DL-DVI-Vision also extends the signal:

• Dual link DVI video

**The DVI-Vision also extends the signal:**

• Single link DVI video

DVI-Vision-CAT

DP-Vision-IP

DisplayPort signal transmission over standard IP-based networks, CAT/fiber, layer 3

■ Exemplary resolutions:
2560 x 1600 @ 60 Hz, 2048 x 2048 @ 60 Hz (2K x 2K), 4096 x 2160 @ 30 Hz (4K @ 30 Hz), 3840 x 2160 @ 30 Hz (Ultra-HD @ 30 Hz), 1920 x 1200 @ 60 Hz*

■ Signal transmission over standard IP-based networks, CAT/fiber, layer 3

■ Unlimited transmission distance, with up to 10,000 meters between 2 active network components (fiber optics)

■ Manual bandwidth management to adjust the bandwidth required

The DP-Vision-IP also extends the signal:

• DisplayPort™1.1a video

DP-Vision-IP

* Further VESA and CEA standardised resolution possible for video bandwith/pixel rate and horizontal/vertical frequency.

G&D
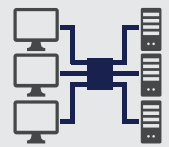
KVM matrix systems allow users to operate several computers via several consoles as well as transmit computer signals in real-time over long distances. The basic system consists of three modular components and can be modulated to your demands.

ControlCenter-Compact + ControlCenter-Digital

Digital matrix systems for the operation of multiple computers over several consoles

- Transmission via CAT cable up to 140 m between two system components; via fiber optics up to 10,000 m
- Automatic device detection
- System cabling via CAT cables and fiber optics (mixed mode)
- More flexibility with DynamicPort-Technology: from 8 to 288 dynamic ports that can be freely configured for either user or computer connection
- Cascadable to up to 3 levels, expandable through bidirectional cascading over KVM Matrix-Grid™
- Expansion of connected signals through channel grouping

The digital matrix systems ControlCenter-Compact, ControlCenter-Digital and ControlCenter-IP switch the following signals:

- DisplayPort™1.2a + 1.1a
- HDMI (on CC-IP via adapter)
- DVI single link + dual link
- Keyboard/mouse (USB & PS/2)
- VGA (only CCD + CCC)
- Audio bidirectional
- USB 2.0 transparent (only CCD + CCC, for CC-IP in preparation)
- USB 3.0 (only CCD)
- RS232 transparent
- Generic USB HID

ControlCenter-Compact-32F-32C

Common features of the ControlCenter-Compact, -Digital and -IP

- Resolution: up to 4096 x 2160 @ 60 Hz depending on computers and consoles
- Monitoring & SNMP
- Two network interfaces (web interface, updates, administration, configuration and monitoring)
- Local console for administration and configuration
- Text based media control over TCP/IP e.g. AMX, Crestron, VSM as KSC-Commander
- Multi monitor workstations incl. CrossDisplay-Switching
- Operation and configuration via web interface and OSD
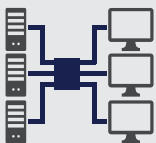- Operation via touchscreen possible

ControlCenter-Digital-80

KVM over IP™

ControlCenter-IP

ControlCenter-IP

Experience the diverse functionalities of the G&D matrix systems combined with the flexibility of KVM-over-IP™

- The device takes over the central system logic

KVM matrix systems allow users to operate several computers via several consoles as well as transmit computer signals in real-time over long distances. The basic system consists of three modular components and can be modulated to your demands.

Specials ControlCenter-Digital

- Modular setup: Controller- and Switchcard, I/O CAT- & I/O Fibre cards, I/O-Card-Multi, I/OCard-Trunk, fan boards and the power supplies are modular and can be replaced
- The system can be adapted or extended during operation
- Up to three redundant power packs that can be changed during operation
- System control logic on a separate controller card and can be easily replaced / switch card can be replaced as well

ControlCenter-Digital-288

Mix & Match

All digital matrix components are compatible with each other. Computer or user modules for matrix systems can be mixed with extender systems. Extender systems can also be used in the matrix. This provides full flexibility and helps at future-oriented planning of growing systems.


Customer benefits:

- Easy switching by using the mouse, in addition to switching between channels using hotkeys or the OSD
- Intuitive operation and more efficiency for your workplace
- Multi-monitor workstations can be operated by keyboard-mouse

CrossDisplay-Switching

With the innovative CrossDisplay-Switching as part of the TS function (DVICenter and ControlCenter range), users can use the mouse to easily switch between channels.

The mouse acts as if on a "virtual desktop" and can be moved seamlessly across the connected displays. Moving the cursor from the active to another display, the keyboard-mouse focus automatically switches to the connected computer. Now users can create a multimonitor console and need only one keyboard and one mouse to operate all computers. The mouse becomes the ultimate intuitive switching tool. Right from the start, the CrossDisplay switching was not limited in the number of integrated screens, and so now also computers with multi-head graphics are supported. Thus, an unlimited mix of scenarios can be switched from all sources and the user always operates in the visible area and never "flies blind". The configuration is easily adapted to the screen arrangement, and thus does not need to be strictly ordered in row or one above the other. Also in combination with a multiviewer, the flexible CrossDisplay switching can significantly simplify the application.
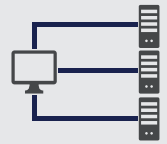
KVM switches let you operate multiple computers from one console consisting of keyboard, mouse and monitor. Switching is carried out via keyboard hotkeys. Computers with multi-monitor graphics cards can be connected to multi-channel switches.

Common features of the DP1.2-MUX3-ATC and MUX-NT switches

- Channel switching via hotkey, SNMP, buttons, OSD, web interface, IP-Control or external serial device
- E-EDID support
- 2 network interfaces
- Suitable for all operating systems
- Web interface for remote configuration and displaying of the Monitoring values and channel switching
- Comprehensive proactive diagnostics by monitoring and SNMP

The DP1.2-MUX3-ATC + NT variants switch the following signals

- DP1.2, DP1.1a or dual link DVI (depending on model)
- Keyboard/mouse (USB & PS/2)
- USB 3.0 transparent
- Audio analog stereo bidirectional
- Audio embedded (except DL-DVI-MUX-NT)

DP1.2-MUX3-ATC

For up to 3 computers via one console

- Resolution up to 4096 x 2160 @ 60Hz (4K @60 Hz)*
- Data transfer rate up to 21,6 Gbit/s (DP1.2a) or 10,8 Gbit/s (DP1.1a)
- Instant switching technology

The DP1.2-MUX3-ATC also switches the signals:

- DisplayPort™ 1.2a + 1.1a
- Audio ambedded in DisplayPort

Instant switching of DP1.2 signals using unique G&D technology

The DP1.2-MUX-NT + DL-DVI-MUX-NT also switch the signals:

- Dual link DVI & VGA video (DL-DVI-MUX-NT) **or** DisplayPort™ 1.2a + 1.1a (DP1.2-MUX-NT)

DL-DVI-MUX-NT

By cascading several KVM switches, it is possible to switch and operate up to 64 computers from one workstation.

DP1.2-MUX-NT + DL-DVI-MUX-NT

KVM switches with mission-critical features

- **DP1.2-MUX-NT:** Resolution up to 4096 x 2160 @ 60 Hz*
- Data transfer rate up to 21,6 Gbit/s (DP1.2a) or 10,8 Gbit/s (DP1.1a)
- **DL-DVI-MUX-NT:** Resolution up to 4096 x 2160 @ 30 Hz (4K @ 30 Hz) or 2560 x 1600 @ 60 Hz at 24 bit colour depth*

The DVIMUX switches the signals:

- Keyboard/mouse (USB & PS/2)
- Single link DVI & VGA
- Audio bidirectional
- USB 2.0

DVIMUX

Operation of 4 or 8 computers via one console

- Mixed operation of DVI/VGA on input and output side
- Channel switching via hotkey, buttons or external serial device
- DVIMUX8 with on-screen display and broadcast function (for simultaneous configuration and operation of up to 8 computers via one console)

DVIMUX8

* Further VESA and CEA standardised resolution possible for video bandwith/pixel rate and horizontal/vertical frequency.

Monitoring, SNMP trap and agent are helpfull functions for predictive maintenance of the G&D devices and connected peripherals. Thanks to permanent monitoring, reporting and configuration of G&D devices administrators can react early enough to critical conditions like exceeding temperatures before they lead to failures.

Web interface with monitoring values
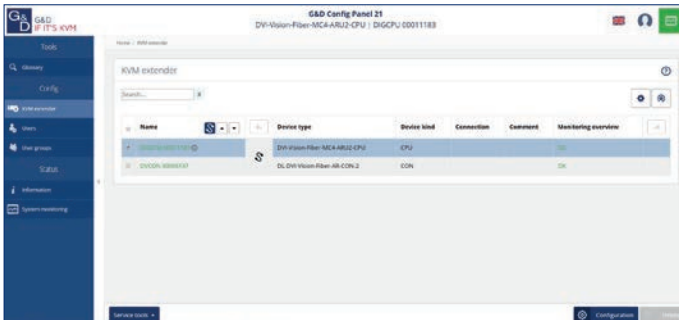
Network settings for the SNMP agent

Our new ConfigPanel 21 with even easier handling
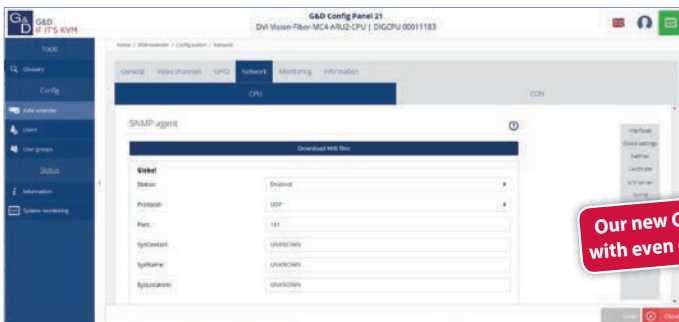
The following products provide the monitoring function

KVM extenders:

- DP1.2-VisionXG
- DP1.2-Vision, DP1.2-Vision-IP
- DP-Vision, DP-Vision-IP
- DL-Vision, DL-Vision-DP
- DL-DVI-Vision, DL-DVI-Vision-IP
- DVI-Vision, DVI-Vision-IP

KVM matrix systems:

- ControlCenter-Digital and -Compact
- ControlCenter-IP
- DVICenter
- CATCenter NEO
- CompactCenter X2

KVM switches:

- DP1.2-MUX3-ATC
- DP1.2-MUX-NT
- DL-DVI-MUX-NT
- DL-MUX

Preventive device monitoring

High operational safety and reliability are essential for G&D devices. The monitoring function of many G&D devices offers the following options:

- Query of system status
- Dispatch these information via SNMP and as Syslog message

These settings can be carried out for each device individually via its web interface. G&D products with monitoring functions provide at least one connection to the network as well as an integrated web interface to configure and monitor the device. Any values of G&D devices are monitored internally and system status messages are continuously transmitted to common trap receivers.

SNMP trap & agent

Monitoring function for the predictive maintenance

- Defined conditions and exceeded thresholds are stored in the web interface and can be viewed anytime
- SNMP management software receives automatically any status event sent by G&D devices
- Integrated SNMP-GET function enables you to query, for example, the device temperature and to provide statistics on top values as well as to recognise critical values in advance
- SNMP-SET has active impact on a G&D product (for example when changing channels at a KVM Switch)

Screen-Freeze function

If the display loses the video signal due to a broken connection or a problem with the computer's graphics card, the Sreen-Freeze function „freezes" the image last displayed on the monitor. This status is highlighted by a red semi-transparent frame.

In the meantime, the monitor displays the time and how long the video signal has been down so far. This way, users are still provided with a static image instead of having to wait in front of a blank screen. In control rooms, this possibly allows them to continue working until the issue is solved by the administrator. The function is automatically cancelled when the display receives an active video signal.

From professionals to professionals:

Trust in our professional solutions – from planning through to aftersales support.

Main office G&D

Guntermann & Drunck GmbH
Systementwicklung
Obere Leimbach 9
D-57074 Siegen

Phone   +49 271 23872-0
Fax   +49 271 23872-120

sales@gdsys.de
www.gdsys.de

US office G&D NORTH AMERICA INC.

G&D North America Inc.
4001 W. Alameda Avenue
Suite 100, Burbank, CA 91505

Phone   +1-818-748-3383

sales@gd-northamerica.com
www.gd-northamerica.com

Follow us on: