

## Announcement IBC 2014

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### KVM pioneer G&D at IBC 2014

## Meet the next generation of broadcast

As the workflow in broadcasting becomes more and more digitalised, the call for higher resolutions becomes louder. With KVM extensions for 4K, the transmission of high resolutions via KVM matrix and by uniting analogue and digital KVM systems, Guntermann & Drunck show that their ready for this year's IBC.



*[New at IBC: 4K, DisplayPort High Res and the Bridge function]*

### Broadcast, media technology and IT become one

Today, the boundaries of classic broadcast have almost vanished. Digital media technology and professional IT applications are already part of almost any workflow. The new data-based broadcast requires highly reliable devices which are always available. Users must be

able to flexibly and efficiently manage large amounts of data. High resolutions are transmitted from the actual recording to processing and to the final playout. Any KVM equipment the material passes on its way must be able to match and process these requirements.

### **KVM extensions for 4K**

When processing and transmitting 4K contents, the multi-channel variant of the KVM extender DL-Vision comes in handy. In addition to transmitting keyboard, mouse, RS232 and USB 2.0 signals, the device easily handles video in 4K or Ultra HD. The KVM extender transmits resolutions up to 4096 x 2160 or 3840 x 2160 pixels at the full frame rate of 60 Hz and with a colour depth of 24 bits resulting in high-quality images.

### **High video resolutions with the KVM matrix**

G&D's digital KVM matrix, the ControlCenter-Digital (CCD), unites all functions of KVM extenders and KVM switches as well as monitoring and management functions in one system. TV or broadcast stations, post production, video editing, control rooms, studios, technical operating rooms, desk workplaces or server rooms – the CCD enables access to all computers independently from any network or operating system. And when using optical fibres, users are able to access their computers in a 1:1 connection even over distances up to 10,000 m.

Not only does the matrix convince with versatile sophisticated functions, it also provides numerous variants of user modules and console modules. Connected in any combination, these modules are ready to adapt with any individual requirements. Thus, combining and transmitting signals like VGA, DVI, DisplayPort, optical fibre, CAT, USB, RS232, Audio, PS/2 has never been easier.

For the first time at this year's IBC, G&D will present their modules to transmit DisplayPort signals in high resolutions using the matrix. The components enable resolutions up to 2560 x 1600 @ 60 Hz and even Ultra HD resolutions up to 3840 x 2160p at a reduced refresh rate of 30 Hz.

### **Uniting VGA and DVI**

Thanks to their sophisticated design, G&D products are able to outlive generations of signals. With the newly developed Bridge function, customers can continue to use their VGA-based KVM systems. The function figuratively bridges the gap between existing analogue and digital matrix systems. In addition to converting analogue signals into digital ones, the function includes a matching operating concept, too. Users don't even realize any processes taking place in the background. They simply use their analogue systems in their digital

environment. Video signals are no longer important since every source is only one click away. For the developers at G&D, usability and a high return on investment for companies are key.



**Free entrance for G&D visitors**

To experience the technical developments of tomorrow already today, go to <http://broadcast.gdsys.de>. G&D look forward to greeting their visitors at stand B60, hall 4. Tickets to attend IBC for free are available under <http://www.gdsys.de/en/events>

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