Technolution

SigmaXG

- *Lossless*
- *Seamless switching*
- *Simple, fast, and flexible*

NDcoder 10G DVI (Fanless)

Video distribution over IP

SigmaXG is a fast and flexible switching system for video management over IP. SigmaXG is easy to use. A single cable is all that is required to do everything: video, audio, and control signals. It's scalable and easy to extend. SigmaXG is very fast: high quality video, audio and control are switched instantaneously and streamed with zero latency. Video is distributed over 10 gigabit Ethernet without compression, so there is no information loss.

Integration of SigmaXG into your own applications and systems is easy with the API. SigmaXG allows you to combine video streams from multiple devices on a single display. SigmaXG supports mouse, keyboard, and touch control over networks, so a single mouse and/or keyboard is enough to operate any of the connected systems.

Characteristics

SigmaXG network	Network bandwidth: 10GbE Network cabling: SFP+
Input resolution	Up to FHD (1920x1200), 1x uncompressed, 60FPS and 30FPS For 4K resolutions use our HDMI NDcoder
Output resolution	Up to FHD (1920x1200), 2x uncompressed, 60FPS and 30FPS For 4K resolutions use our HDMI NDcoder
Interfaces	DVI-D: 1x SL DVI in/out and 1x SL DVI out
Thumbs	Preview for user interfaces, 1 per second
Video latency	Less than 4 ms/uncompressed in DirectDisplay mode
Multiview	QuadView, Side by Side, Picture in Picture, 1+3, 1+3 right
Control	MouseThru and TouchThru (mouse and keyboard control)
Audio	Analog in/out, audio break out
Physical interfaces	1 x SFP+ 10GbE 2 x DVI USB 2 x USB/A, 1 x USB/B, Audio Jack RS232 (for future use) Ethernet (1GbE) RJ45 (for future use)
Services	Remote diagnostics Remote Firmware update
Certification	CE / RoHS / Reach IEC60950 Tested for compliance: IEC60601-1-2
Dimensions & weight	164x166x40 (height of cooling fins: 6mm) – 1 Kg

Characteristics may be subject to change, please contact us to discuss your application.

More information

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SigmaXG is a product of Technolution. Our knowledge of video distribution and our technological expertise enable us to create the right solutions for our customers. We develop new technologies through investment in our own R&D and we test them thoroughly before we apply them to our products. Because we create working systems and products, we can build long-term relationships with our customers.

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