



**Q Series**  
Multi-signal Matrix



# Q16 pro

## Multi-Window splicing processor for LCD & LED Videowall

Q16 pro is a high-performance video image processing system and high-performance video splicing server using pure hardware and leading-edge FPGA processing architecture. Offering a range of input and output signals via a card-based structure, and supporting hot swap of modules, and options including redundant power supplies, Q16 pro is a stable high-performance platform that can be deployed in varied applications including corporate and visual messaging as well in retail and digital signage applications.

The Q16 pro models allow connection of 4K video sources as well as output to 4K, with outputs offering multi-screen and multi-layer capabilities. A host of features are built in to Q16 pro, including EDID management, 3D image processing, and highly configurable OSD features at high-definition.



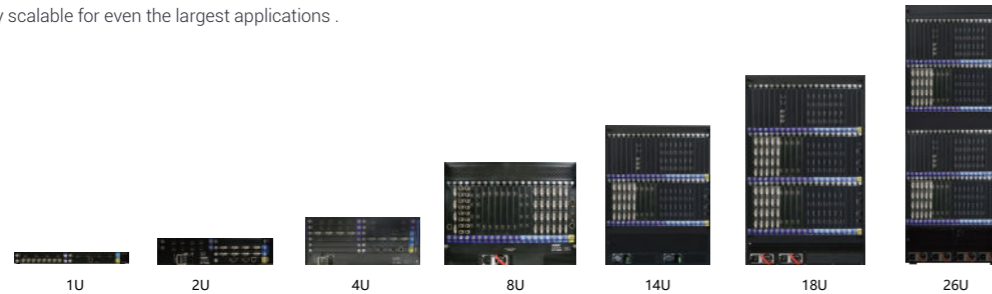
## Multi- Layer Multi-Window

Q16 pro offers up to 8 2K windows or four 4K windows per output slot. Layer resources able to be freely used across any of the outputs within a slot for maximum availability and efficiency, including combinations of both 2K and 4K layer windows. Q16 pro layering allows multi-window applications for large scale and spanning multiple display outputs.



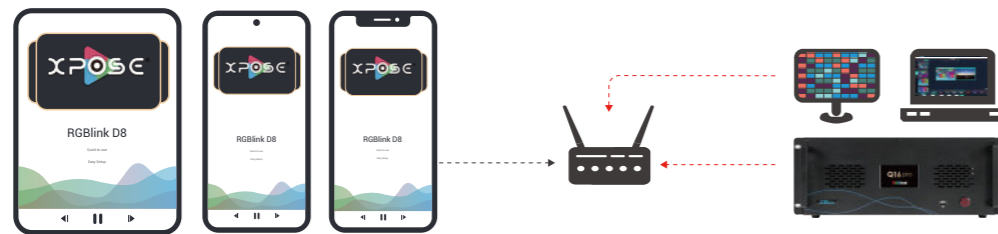
## Frame Sizes for Every Scale

Q16 pro models range from the compact 1U through to 26U with up to 160 inputs and 160 outputs with common modules across the range. Q16 pro is truly scalable for even the largest applications.



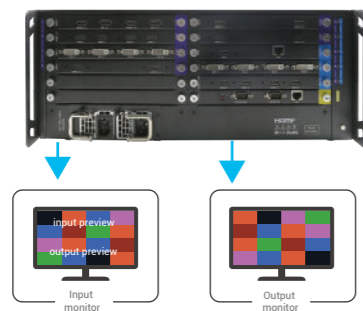
## Take Control

Configure and control Q16pro devices from the acclaimed RGBlink XPOSE apps for laptop/desktop and mobile devices.



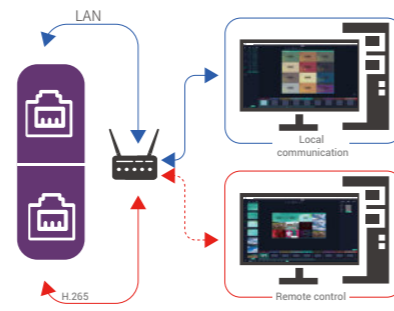
## Input and output preview

Equipped with 2 high-definition multi-screen monitoring output interfaces, it can monitor 16 input or 16 output at the same time. Among them, 16 input source preview supports 4/9/16 screen division.



## Dual network communication

Supports dual network communication: it has 1 local communication network port and 1 remote control port. In addition to remote control, the remote control port also has H.265 media remote control and monitoring functions.



## OSD Dynamic Titles

Customised text in almost any format can be overlaid on output displays. The facility supports static and dynamic arrangements including scrolling messaging.



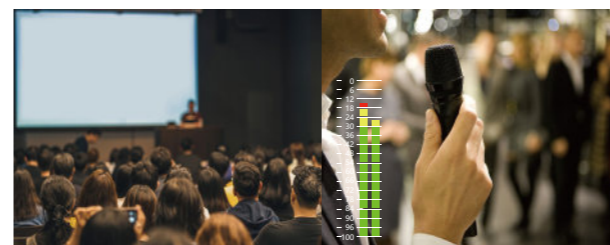
## 3D stitching

Scale and deliver 3D signals for 120Hz interpolated signals with internal frame-lock synchronization. Segmentation and fusion are completely seamless. Single key switching is available to transition between 2D and 3D on demand.



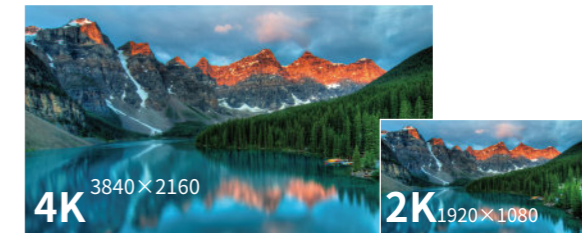
## Dante volume monitoring

Dante audio technology integrates the media and control of your entire system into a standard network, and realizes real-time volume monitoring of 16 channels and 32 channels. Eliminates bulky and expensive analog wiring and replaces it with cheap and very common CAT5e, CAT6 wires for a simple, lightweight and economical solution



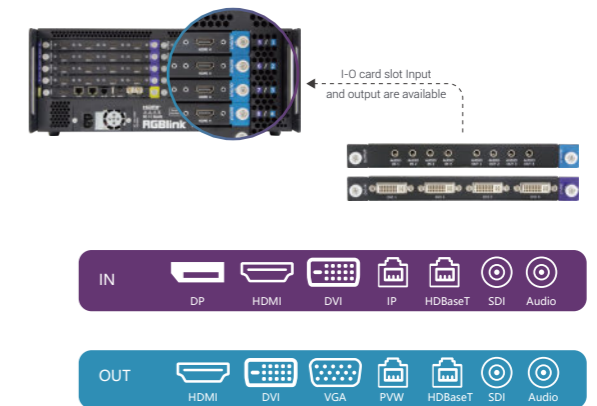
## High Performance Lossless 4K Processing

Q16 pro not only supports HDMI 2.0 and DisplayPort 1.2 4K@60 signals and is engineered end-to-end to maintain and enhance fidelity with full 4:4:4 maintained throughout. Utilizing advanced processing engine developed RGBlink.



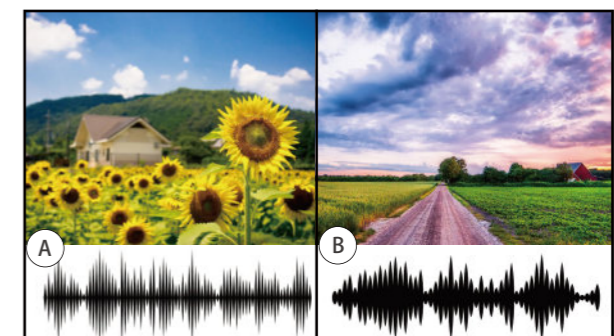
## Modular Hybrid Modules

The processor offers a range of input and output modules, with signals able to be mixed-and-matched to meet requirement without incurring overhead. Modules are easily user-fit lowering TCO and simplifying operations of Q16pro based installations.



## Configurable Audio Delivery

Both embedded and external/insert audio sources may be embedded to any output as well as be switched a part of video presets.



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