

sQ Server



The sQ server is the ingest, editing and playout server at the heart of Enterprise sQ. sQ servers are completely configurable and totally scalable – supporting any number of dynamically switchable i/o ports from just two to literally hundreds; similarly, storage capacity can range from tens to thousands of hours. Whatever the scale of the system, performance is always guaranteed.

Broadcast and browse together

Broadcast and browse resolution media are locked together under a single ISA database in the sQ server, ensuring that both stay perfectly in step at all times. This means that editing decisions made on browse material are instantly reflected in the full resolution medi, providing the shortest possible flight time from ingest to playout.

Resolution transparent

sQ servers support IMX, DV, DVCPRO and AVC-i formats. All have SD and HD capability built-in thanks to Quantel's Resolution Transparency technology, providing full-on HD performance now, or enabling the broadcaster to grow into HD when the need arises.

Guaranteed performance

What is common to every sQ server configuration is their no-wait, next frame performance for multiple users and outputs under all loads and conditions. This is the kind of guaranteed performance that broadcasters demand, achieved by Quantel's unique mixture of IT and broadcast technologies.

Totally reliable

sQ server's disk arrays have dual PSUs and keep working in the event of disk failure. Disks can be hot-swapped and rebuilds are automatic. FrameMagic technology means that defragmentation and consolidation are never required. This also means that sQ servers run at 100% even when fully loaded – there is never a performance drop-off.

ISA

ISA (Integrated Server Architecture) is the brains behind Quantel server systems, providing the totally integrated management that ensure every part of the system and all media are always perfectly synchronised.

ISA is pre-configured on three dedicated, rack-mounted PCs. Two of the PCs provide redundancy in the event of a failure and the third hosts Quantel's IMON monitoring package as well as the Licence Manager. IMON provides complete status monitoring for the entire system, while the Licence Manager enables floating licences for the editing applications, allowing considerable flexibility about where the software is installed and how it is used.