Unleashing a new generation in video transmission

4K, Uncompressed, Realtime

QoolTornado® QG70

Contact: PFU Limited
Broadcasting Business Dept.
With QG70, realtime 4K uncompressed video over IP brings the real world closer and enhances all aspects of the video production workflow.

QG70 brings the IP network into video for superior speed and realism.

- High-speed IP network (10Gbps) transmits uncompressed video up to 4K
- Multiple video streams can be transferred simultaneously
- Ancillary (ANC) data is transmitted in all HD signals
- Tandem operation provides up to n×K uncompressed video transmission
- Is compatible with non-linear editing (NLE) systems and playout systems
- Works with baseband systems

Simple, efficient user interface

- Front LCD panel has menu buttons for configuration and information
- Preview button allows preview of video content being forwarded and selected

Plenty of features fit in a small box that can be hand-carried anywhere.

- n×K transmission possible with tandem-configured synchronized units
- Simultaneous transmission of IP video and audio from one location to multiple locations

QG70 specifications

- Input / Output Qty Connector Description Note

  Video signal
  IN 4 BNC75Ω Video signal IN HD-SDI: SMPTE292M
  OUT 4 BNC75Ω Video signal OUT 3G-SDI: SMPTE424M
  Network interface
  10GBE 1 LC Connector ( SFP+ ) Video IP data IN / OUT IEEE 802.3ae (LAN-PHY)
  GBE 1 RJ45 Network for management IEEE 802.3ab
  Reference IN 1 BNC75Ω Synchronization signal IN RB : SMPTE170M
  Control OUT 1 BNC75Ω Synchronization signal OUT TR : Trilavel sync
  Remote Control 8 RJ45 Converted to DSUB9 female with cables attached DG57-RK47
  Monitor OUT 1 BNC75Ω Copy one of the four video signal inputs HD-SDI : SMPTE292M
                       3G-SDI : SMPTE424M
  GPS IN
                       1PPS 1 BNC50Ω SECONDARY pulse signal IN
                       10MHz 1 BNC50Ω 10MHz signal IN
  Frame sync
                       IN 1 DSUB9 male Frame number signal IN
                       OUT 1 DSUB9 male Frame number signal OUT

The information in this brochure is subject to change without notice.