StageQube 324

Electrical specification
- Integrated Power supply
- Input voltage: 110 - 240 V @ 50/60 Hz
- Power consumption: 220 W max.
- λ = 0,95 at maximum charge
- Leakage current <=360 uA

Pixel
- 18 x 18 = 324 RGB – high efficiency LEDs (506,25 px/m2)
- Internal Resolution: 14 Bit
- SBAM Modulation
- Temperature compensated LED drivers

Mechanical Specification
- Dimensions: 800 x 800 x 120 mm
  (with diffusor: 800 x 800 x 180 mm)
- Robust metal framing
- Integrated mechanical connection system
- Connector panel secured with access cover
- Adaptors for rigging systems
- Inflammability: B1

Optical specifications
- Clear covering (PETG with a transmission rate of 90%)
- Snap-on diffuser (PETG with a transmission rate of 80%)
- Beam angle without diffusor: approx. 120°,
  with diffusor: approx. 170°

Controlling
- Input source: VGA at max. 60 frames/s
- One control Unit (StageQube Server) grabs the input signal and distributes to all panels in the system
- Preview window in the QubeControl software
- Very low latency (input-output: max. 50 ms)

Control and Programming
- Brightness: 1-100% (255 steps. Exponential curve)
- Intensity red: 1-100% (255 steps. Exponential curve)
- Intensity green: 1-100% (255 steps. Exponential curve)
- Intensity blue: 1-100% (255 steps. Exponential curve)

- Gamma: 1.0 – 3.0 in steps of 0.1
- Release time: 0 – 1.000 ms in steps of 4 ms
- LED frame rate: 600 – 1.100 frames/s in steps of 2 frames/s

- Scaling factor of the grabbed videostream
- Frame size and position
- Size and form of the StageQube 324 array

Startup procedure, wiring and controlling:
- Intuitive, graphical and fast startup without any manual addressing
- Definition of non-rectangular arrays
- Distribution of video data over 1000Base - T - Ethernet (CAT 5e, 6 or 7 cable)
- Automatic brightness detection and optimization for maximum brightness of the array, important for dry-hire use!
- Daisy chain of power cable for up to 8 StageQubes 324 with Neutrik EtherCon connectors
- Integrated Ethernet switch with 3 Ethernet ports (Neutrik Ethercon)
- Daisy chain of up to 8 StageQube 324's Ethernet connection, the third Ethernet connector allows (theoretically) 255 StageQube 324 in a system without any additional hardware (tree structure)

StageQube 324

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StageQube 324

South African Music Awards 2008

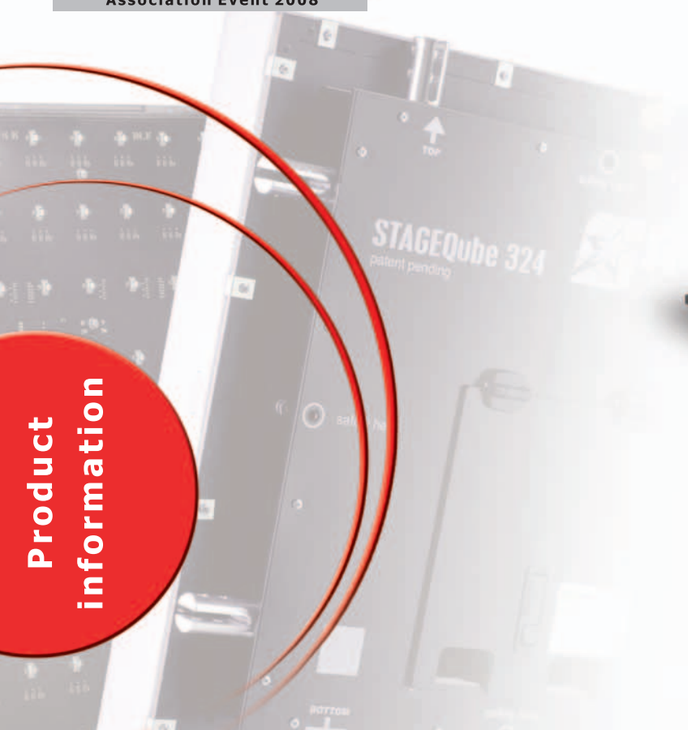
Razzle´s Club

South African Guide Dog Association Event 2008

The StageQube 324 is a new-generation LED panel. Designed as a plug & play application, it doesn'trequire any external power supply and control boxes. The complete electronic is located in the IP54 housing. Due to its integrated rigging system, even huge systems can be built up very easily. Equipped with an optional foot plate, the system is self-sustaining, but can also be "flown" at any truss.

With its resolution of 18 x 18 px at a size of 80 x 80 cm (pixel pitch 4,44 cm), conventional DMX pixel mappers run out of capacity very quickly. That's why the StageQube 324 system uses a Video input (VGA) that is connected to the StageQube Server. The StageQube Server grabs the input signal and distributes it via Gigabit-LAN to each StageQube 324 (synchronized in every step from input source to the LED!).

Any media player or video server can control a StageQube 324 array. Using a Robe Media Server Qube Control,it can even be controlled via DMX - intuitive control from the lighting desk (i.e. block colours etc.) is easily possible.



Product information