Network accessible•
Semi-automated•
Modular•Affordable•

Digital eXperience Guardian (DXG)™

Audio and Colorimetry Monitoring System
…with room for expansion

|D|i|g|i|t|a|l| |T|e|s|t| |T|o|o|l|s|LLC
Specialists In Post-Installation Compliance

The Digital eXperience Guardian features an internet accessible GUI and common database interfaces (e.g.: xml, SQL, .NET). It is therefore well suited for integration as the reality-based component of every A/V Network Management, Quality Assurance System. It is your Digital Eyes and Ears.™

To meet security concerns, the output of the audio and color sensors are always data, never picture or sound. *The DXG is specifically designed to not function as a substitute for a calibration tool.* Instead, a baseline sample is captured by the DXG after an auditorium is calibrated. Then the 'delta', that is, "changes from" the sound and picture baselines are sent to the technical and quality control personnel.

The audio component is suspended in the sound field, just above the projector's light, 1/2 – 2/3rds the distance from the screen (the standard distance for measuring audio). The colorimeter(s) is placed 3 – 5 meters from the screen, connected by Cat 5/6 cables to the audio case.

The Guardian's microprocessor resides with the 5 microphones in the audio case, monitoring THD, Speaker Direction, Level, and Phase. One (or several) colorimeters monitor changes in RGB, Grey, Luminance, Contrast, White Point, and Bulb Flicker. Unlike calibration tools, the DXG monitors broad segments of the screen.

The DXG uses Power over Ethernet (PoE), or USB when used with a portable computer and tripod.

Readings are taken from sound and color DCPs. The extensible software can accommodate wider ranges of each as required, and monitor input such as satellite and cable feeds, and blu ray players.

The roadmap includes:

Option 1 – Forensic Marking Verification Tool,™ AES-encrypted, VPN networked, Secure multi-stream feeds including ultra-low-quality (CCTV-style) monitoring capability.

Option 2 – HI / VI Signal Verification Tool.™

Option 3 – Phone Blocking system (where legal.)

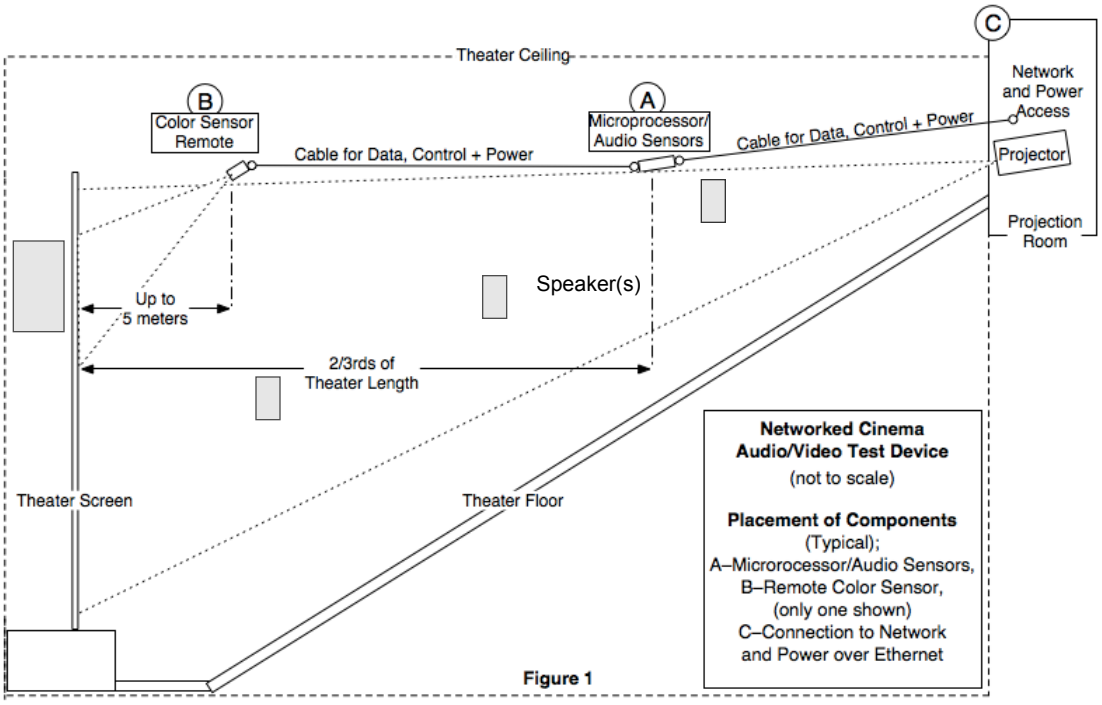

Figure 1

Digital Test Tools, LLC
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