

Design and construction of a remote display control signboard using infrared signals.

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Abstract: This topic focuses on designing and building a display condition (HDMI) system for transmitting peripheral image signals. In practice, high-quality image transmission between electronic devices is becoming more important than ever. The objective of the topic is to develop an HDMI system capable of supporting conversion between multiple signal formats while ensuring sharpness and stability. To achieve this goal, the research applies a theoretical approach combined with experimentation to evaluate the performance of modern technical solutions. The expected results will contribute significantly to improving image transmission quality in sophisticated systems.

Keywords: HDMI, Signal transmission, High definition