

# The Ten Thousand Buddhas Hall's Lighting Control

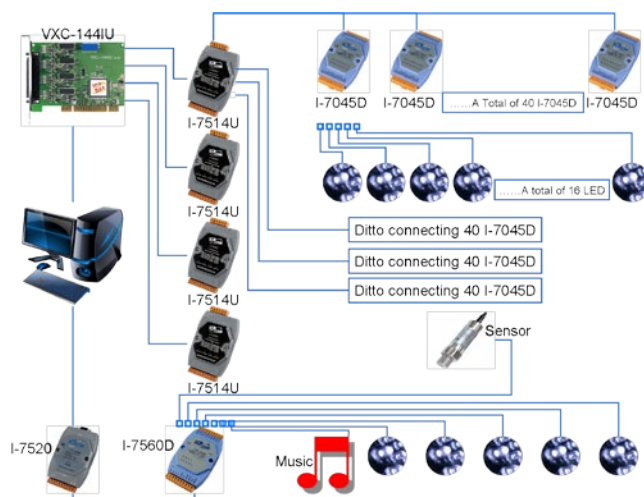
By ICP DAS Staff, Shanghai Division

*The project is ambitious: its aim is to create a beautiful temple of light and music complete with a full-featured monitoring system to oversee the ten thousand Buddhas on their shelves all around the temple. The controls on the multitude of LED lights must be fine enough to react to the flow of guests entering the hall, to inspire them with a feeling of holiness.*

## Ten thousand Buddha Hall Lighting & Sound System Functions

In the Ten thousand Buddha Hall, there are ten thousand statues and ten thousand glass LED lights:

1. Ten thousand statues and ten thousand glass LED lights - ten thousand inputs to feed the computer, all processed separately and controlled independently.



2. The ten thousand Buddha statues and ten thousand glass LED lights can also be lit up at the same time.
3. To suit the Medicine Buddha Mandala, ICP DAS designed a sensor that would project colored lights. They came in shades of blue, red, yellow, black, and white; in addition, the setup was made to trigger lights and Buddha music (Medicine Buddha Dharani) automatically when visitors entered a certain area.
4. The Ten Thousand Buddha's dimensions are 75 by 47 by 18 meters; the control room next to the Ten Thousand Buddha was 8 by 5 meters.

## Efficiency in Use

This setup enables customers to control all ten thousand as one, or manipulate each LED (from 0 to 10000) individually, because each I-7045D can control 16 of the LEDs, which makes wiring much easier. More importantly, such a solution cut almost half the cost comparing to using PLCs.

