

## CIP : The Best Solution for Historic Sites and Museums

Site Name	Taipei Brewery
Country/City	Taipei City, Taiwan
Industry	Public Facilities
Solution	CIP Solution
Solution Provider	A-Tec Subsystem Inc.
Reasons of Adoption	<ul style="list-style-type: none"><li>■ System Expansion by Daisy Chain</li><li>■ Cable Cost Saving</li><li>■ Long Distance Transmission</li><li>■ Full-HD Video</li><li>■ Hybrid (IP/DTV) System</li></ul>



### CUSTOMER NEEDS AND PROBLEMS

Located in Taipei City, Taipei Brewery was formerly known as Takasago Biiru Kabusikigaisha during the Japanese Taiwan period. Established in 1919, it was Taiwan's first brewery, and was as famous as Sapporo Beer in Hokkaido, Japan. It was renamed Jian-Guo Brewery in 1975 and was again renamed Taipei Brewery in 2002. On its campus, buildings built in 1920s and 1940s were preserved. The historic buildings reflected the architectural styles in different times. In recent years, because Jian-Guo Brewery was relocated, most machines and equipment stopped operating, while some of them were preserved because of their historic values. In June 2000, the brewery was designated as Taipei's number 95 historic site, for it was the most important cultural asset of the beer industry.

In order to maintain the historic site, there were needs to install video surveillance systems. However, also because it was of a historic site, the construction requirements were very stringent. Based on "the less construction, the better" consideration, the customer required no new cable installation, the use of the existing three cable chains, and at least eight cameras cascaded in one chain. After asking around, only A-Tec was able to fulfill the requirements. A-tec's CIP system, featuring frequency multiplexing, supported camera cascade. Along with signal controllers, splitter, and other devices, A-Tec successfully installed CIP on the existing three cable chains. The video quality was both stable and high-quality.

### CUSTOMER BENEFITS

To summarize, the customer in this case ask for the following requirements: high video quality, the use of the fewest cables, the shortest installation time, and no damage to the building. It is not difficult to meet any ONE of the above requirements, but it is difficult to meet ALL of them at the same time. A-Tec's CIP system, integrating DTV CAM and IP CAM systems, features frequency multiplexing technology, which modulates the video signals from different cameras (eight cameras in this case) to different radio frequencies. This enables the possibility of cascading cameras in one cable for their video signals are separated in frequency domain and will not interfere with one another. For locations such as historic sites or museums, at which the construction is either difficult or restricted, systems based on DTV technology are no doubt the best upgrade choice, for they require no re-cabling and they support camera cascade to reduce the number of cables needed.