

Demonstrated practical application of the world's first large outdoor color video display system

Registration No.	Number 00352		
Registration Date	September 12, 2023	Registration Category	Category 2

Name (Model, etc.)	Prototype Cathode Ray Tube for First-Gen Aurora Vision		
Location	Togitsu-cho, Nagasaki		
	Mitsubishi Electric Corporation Nagasaki Works		
Owner (Custodian)	Mitsubishi Electric Corporation Nagasaki Works		
Manufacturer (Company)	Mitsubishi Electric Corporation Kyoto Works		
Year Manufactured	1979, 1983 (Tricolor light source tube)		
Year first appeared	1979, 1983 (Tricolor light source tube)		
Reason For Selection	This is a prototype from first generation Aurora Vision (known overseas as Diamond Vision) development using CRT tubes. Compared to incandescent light bulbs with color filters, cathode ray tubes (CRTs) have superior responsiveness, significantly lower power consumption, and the high luminance required for outdoor display systems. In the demonstration test, a 1m x 2m screen was prototyped using tubes of three colors: red, blue, and green, and were used for technical verification, business meetings, and other purposes to help commercialize Aurora Vision. Prototypes of waterproof, direct sunlight-resistant, and three-color integrated models that improve color mixing still exist. It is significant as a first-generation prototype using a CRT tube, which marks the onset of large color video display systems.		
Registration Standard	1-A (Show an important aspect or stage of the development of science and technology.) 2-A (Played a notable role in improving people's way of life and creating new ways of living.)		

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Photo			
Other useful information			