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Mitsubishi Electric Receives IEEE Milestone for Outdoor Large-Scale Color Display System

Over 2,000 Diamond Vision displays have been installed in Japan and abroad since 1980

TOKYO, March 8, 2018 – [Mitsubishi Electric Corporation](http://www.mitsubishielectric.com) (TOKYO: 6503) announced today that the company's Diamond Vision™ series of outdoor large-scale color display systems has received the prestigious IEEE Milestone award from the Institute of Electrical and Electronics Engineers (IEEE). Diamond Vision is Mitsubishi Electric's series of proprietary displays, of which more than 2,000 have been installed globally since the first unit was introduced at Dodger Stadium in Los Angeles, USA in 1980. The award recognizes the prominent role and high esteem of Diamond Vision as the world's first outdoor large-scale color display systems for creating impressive video images.



IEEE Milestone commemorative plaque



Presentation Ceremony at Hotel New Nagasaki on March 8, 2018

Up to 1980, electric scoreboards at stadiums conventionally only used incandescent lamps to project just letters and numbers. In response to growing demand for screens that could project images as beautiful as TV images at distances of up to 100 meters, Mitsubishi Electric successfully developed a three-color (red, blue and green) compact cathode ray tube (CRT) capable of displaying brilliant full-color video even in sunlight. Also, the company's new software could be used to control images, music and other content, providing a tremendous boost to in-game entertainment at stadiums.

“We are deeply honored to receive the IEEE Milestone for Diamond Vision,” said Masaki Sakuyama, President and CEO of Mitsubishi Electric. “This is the first time our company has received this honor exclusively and it also represents the first IEEE Milestone to be received by a company in the Kyushu region of Japan. We are proud that Diamond Vision has continued to deliver highly impressive video images to spectators around the world for more than 35 years. We will continue to challenge ourselves to develop other useful technologies that truly enrich people’s lives.”

Since the first installation at Dodger Stadium, Diamond Vision displays have been adopted for use in a wide variety of facilities. Over time, Mitsubishi Electric’s engineering innovations have driven the evolution of light-emitting elements used in large displays, first by replacing single cathode ray tubes with flat matrix CRTs, and then replacing these CRTs with LEDs. Such changes further improved the video quality and led to the increasing use of Diamond Vision displays in diverse event facilities, not just sports stadiums. As such, Diamond Vision has played a profound role in delivering highly impressive video images to spectators around the world.

“The first Diamond Vision was born right here in Nagasaki more than 35 years ago,” said Teruaki Tanaka, Senior General Manager, Nagasaki Works, Mitsubishi Electric. “Since then, Diamond Vision has become synonymous with outdoor large-scale color display systems around the world. Becoming part of history with this award is a tribute to the contributions of everyone involved with Diamond Vision here in Nagasaki. We look forward to evolving Diamond Vision even further in the future.”

In recognition of these achievements, the IEEE has now honored the world's first technology for large, full-color displays useable in sunlight, noting that Mitsubishi Electric has continued to evolve and improve its proprietary imaging system more than 25 years after first introducing Diamond Vision to the world.

Major Diamond Vision Installations

More than 2,000 Diamond Vision displays have been installed in sports stadiums, racetracks, public spaces, shopping malls and other types of venues in Japan and abroad.

Completed	Special Notes	Site	Screen Size (w) x (h)
July, 1980	World’s first full color large-scale display device installed	Dodger Stadium (USA)	8.7m x 5.8m
March, 1981	First installed in Japan	Korakuen Stadium (Japan)	13.0m x 5.8m
August, 1988	Flat matrix type CRT installed	Kishiwada Cyclepia Stadium (Japan)	5.12m x 4.16m
October, 1996	Frist LED types installed	Iwataya Department Store (Japan)	2.27m x 1.62m
April, 2003	3 in 1 LED types installed	Mitsubishi Motors Showroom (Japan)	3.84m x 2.88m
March, 2014	Black package LED installed	Studio Alta (Japan)	12.8m x 7.2m
August, 2003	(Then) World’s longest screen installed	Sha Tin Racecourse (Hong Kong)	70.4m x 8.0m

March, 2005	World's biggest outdoor HD video screen installed	Atlanta Braves (USA)	24.0m x 21.7m
September, 2009	(Then) World's biggest full HD video screen	Dallas Cowboys (USA)	48.32m x 21.76m x 2sets 15.36m x 8.7m x 2sets 601.92m x 1.056m 253.1m x 0.88m x 2sets 10.9m x 2.3m x 4sets
January, 2010	(Then) World's longest video screen	UAE Madan horse race course (UAE)	107.5m x 10.88m
November, 2014	(Then) World's biggest video screen for advertisement	1535 Broadway Marriot Marquis (USA)	100.4m x 23.6m



Diamond Vision in Dodger Stadium (1980)



CRTs used in Diamond Vision

About IEEE and IEEE Milestone Award

The IEEE is the world's largest technical-profession organization in the fields of electricity, electronics, information and communications. It is headquartered in the United States and had more than 420,000 members in over 160 countries, including 14,266 members in Japan, at the end of 2017. The IEEE Milestone program, founded in 1983 to honor historical achievements at least 25 years after their development, recognizes groundbreaking innovations in the fields of electricity, electronics, information and communications.

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About Mitsubishi Electric Corporation

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 4,238.6 billion yen (US\$ 37.8 billion*) in the fiscal year ended March 31, 2017. For more information visit:

www.MitsubishiElectric.com

*At an exchange rate of 112 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2017