

# Delivering a Spectacular Projection Mapping Experience with the World's Brightest\*<sup>1</sup> Projector!

\*<sup>1</sup> As of February 2025. For projectors weighing 150 kg or less (excluding lens). According to our own research.



## Executive Committee for Tourism Content Creation Project Using Prefectural Arena

(Secretariat: Exchange Promotion Division, Kagawa Prefectural Government)

Anabuki Arena Kagawa Projection Mapping 2025 Departure

Date of installation: March, 2025

Location: Kagawa Prefecture

### Challenge

Successfully prepare and execute projection mapping on a uniquely curved arena with a total width of 230 meters in a short period of time.

### Solution

Used ET-FMP50 to make it possible to rapidly complete construction. Placed PT-RQ50K and PT-RQ35K with different brightness levels to ensure beautiful visuals on both large and small arenas, and implemented automatic camera adjustment to streamline operational tuning.

"As part of the opening of Anabuki Arena Kagawa in February 2025, a projection mapping event was held using the prefectural arena as a new symbol of the Sunport Takamatsu area. The event aimed to showcase Kagawa's charm to both domestic and international audiences while promoting nighttime tourism through captivating visuals and sound. The event attracted thousands of visitors who were left with a lasting impression."

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### Background of System Installation

#### Promoting nighttime tourism with projection mapping

Located on a waterfront overlooking the Seto Inland Sea, the Sunport Takamatsu area offers both scenic views and convenient transportation. A new world-class luxury hotel will follow the opening of the prefectural arena, which can host large-scale events such as concerts. This initiative was carried out to enhance nighttime tourism content, attract visitors from both domestic and international markets, encourage longer stays within the prefecture, and expand tourism-related spending.

### System Details

#### Realistic experience with 50,000 lm brightness and native 4K resolution

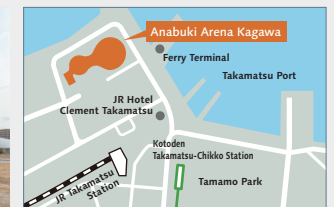
High-quality dynamic visual expression was displayed across the uniquely curved structure, making this event enjoyable for both local residents and tourists from outside the prefecture. The chosen setup featured the PT-RQ50K, delivering an overwhelming realistic experience with 50,000 lm brightness and native 4K resolution. Six PT-RQ50K units were installed for the main arena, while five PT-RQ35K units were placed in the sub-arena for projection. ET-FMP50 allowed for image synchronization across all projectors over long distances, so installation was quick and operations were stable. In addition, 16 WS-LA500 speakers and 4 WS-LA550 speakers were installed to enhance realism. Approximately 33,000 people visited during the three days of the exhibition.

#### Anabuki Arena Kagawa, a large-scale facility that opened in early spring 2025

A projection mapping event was held at the newly opened large-scale facility, Anabuki Arena Kagawa (Kagawa Prefectural Arena), in February 2025. The event, titled Projection Mapping 2025 Departure, was held for a limited period from Thursday, March 13 to Saturday, March 15, from 18:45 to 20:30. A viewing cruise was also available for visitors to enjoy the event from the sea.

Address Sunport, Takamatsu, Kagawa

URL <https://kagawa-arena.com/>



Anabuki Arena Kagawa, with its impressive, streamlined design connecting large and small arenas



▲ Projection mapping viewed from a cruise ship is unique to Anabuki Arena Kagawa, which is situated right next to the sea

### Dynamically showcasing Takamatsu's traditional culture and crafts

Digital animation was projected on the arena's large roof. The 9-minute sequence was projected multiple times with interludes in between. Captivating visuals were created to take advantage of the shapes of the two arenas, one large and one small, depicting a porpoise freely swimming between the main and sub-arenas, along with a mesmerizing display representing the Earth and the Moon. Vibrant depictions of Takamatsu's local traditional culture and craftsmanship were also displayed, including Sanuki lion dance, Takamatsu wagasa, and Sanuki kagari temari. The audience could view the festival not only from the seafront promenade on the north side of the arena, but also from a cruise ship which accommodated a total of 800 selected guests through a lottery. Attendees shared their impressions, describing the experience as beautiful and powerful.

### The ultimate solution for rapid installation and high-precision large-scale projection

One of the key advantages of the ET-FMP50 how it simplifies wiring from the central device to the scaffolding, using only LAN cables. Automatic image adjustment using cameras was also implemented for this event. The system supports an 8Kx1K horizontal content format, reducing the content extraction process and significantly shortening on-site adjustment time.



▲ ET-FMP50 smoothly facilitates complex multi-projection productions, including 4K video input/output



▲ PT-RQ50K delivers an overwhelming sense of realism with its ultra-high brightness and native 4K resolution



▲ Colorful lion dance floats in the night sky



▲ Audience gazes at the large Earth projected on the main arena



▲ At the climax, fireworks are vividly projected to celebrate the departure and an even greater dragon dances



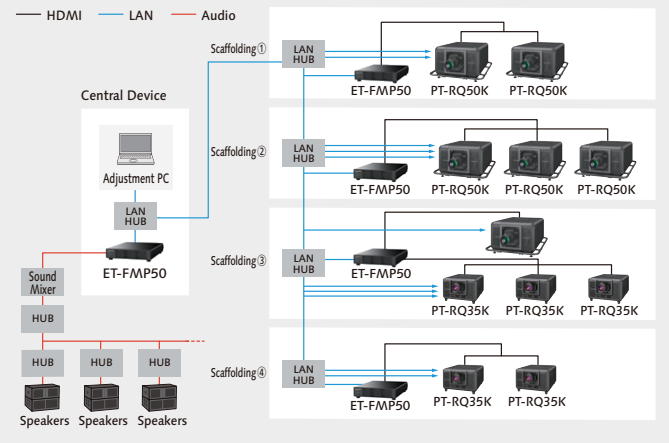
▲ Stable projection from 10 m above the ground



▲ Line array speakers provide ideal sound reproduction

### System Layout Diagram

ET-FMP50 units were installed on each scaffolding where projectors were mounted, which simplified the wiring to connect with the central device that synchronized operations.



### Delivered Devices

Media Processor <b>ET-FMP50 × 5 units</b>	3-Chip DLP® Laser Projectors <b>PT-RQ50K × 6 units</b>	3-Chip DLP® Laser Projectors <b>PT-RQ35K × 5 units</b>
RAMSALA Line Array Speakers <b>WS-LA500 × 16 units</b>	RAMSALA Line Array Speakers <b>WS-LA550 × 4 units</b>	

