

Hanwha Techwin reaches new heights at Jump Nation



- Customer : Jump Nation
- Location : Manchester, UK
- Vertical : Retail

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- Matthew Ball, Managing Director, Jump Nation

Challenge

Visitors to Jump Nation, which is located at Trafford Park, Manchester, have the opportunity to enjoy 139 trampolines which are all connected together to form one huge arena where you can literally bounce off the walls. There is also a huge foam pit to practice tricks or simply to have fun. While providing a fun experience to customers, it was also important to provide safe experience because trampolines is an inherently dangerous activity and is categorized as an extreme sport.

“We need a video surveillance system which can verify that customers have complied with our safety rules and if necessary, help us to resolve any claims for injury. As it is legally possible for injury claims to be made up to three years after an incident, it is essential that we are able to store video evidence for the same length of time,” said Matthew Ball, Managing Director of Jump Nation.

Solution

The contract to design the video surveillance system was awarded to Selec Systems Ltd, who recommended, and subsequently installed, eight Hanwha Techwin SNV-6084R 2MP Full HD network dome cameras at key locations throughout the arena. Part of the Hanwha Techwin WiseNetIII camera range, the SNV-6084R is vandal-resistant and has built in IR LEDs to enable images of any activity to be captured, regardless of the lighting conditions. It also features enhanced Wide Dynamic Range which with

performance greater than 120dB, can accurately produce images in scenes that simultaneously contain very bright and very dark areas.

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Result

Europe’s largest indoor trampoline arena is taking advantage of the latest advances in video surveillance technology to ensure that it is able to retrieve high definition video evidence of any incidents up to three years after they have occurred. “Since opening our doors in August 2014, we have been very popular with schools and birthday parties, as well as members of the public who want to get fit or just have fun,” said Matthew “Safety is the number one priority and we are therefore very pleased to have peace of mind in knowing that our safety policy is being well supported by a highly effective video surveillance solution.”

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“We want our customers to have maximum enjoyment when using our facilities, but bouncing on trampolines is an inherently dangerous activity and is categorized as an extreme sport,” said Matthew Ball, Managing Director of Jump Nation. “It is therefore very important for all customers to understand the risks and bounce within their own ability. “With this in mind, we need a video surveillance system which can verify that customers have complied with our safety rules and if necessary, help us to resolve any claims for injury. As it is legally possible for injury claims to be made up to three years after an incident, it is essential that we are able to store video evidence for the same length of time.”



Eight keepers covering the entire trampolining area

Three of the SNV-6084Rs are able to collectively cover the entire trampolining area and it is the images from these cameras which are stored for a three year period. “It is an unusual requirement as the specification for most video surveillance systems is for recording to be stored up to 31 days,” said Alan Atyeo, Technical Manager for Axminster, Devon based Selec Systems. “However, we carefully calculated the storage requirements based on the need to record at 10 frames per second, 24 hours a day, seven days a week, as the system needs to be used for general security purposes when the arena is closed. We then worked closely with Hanwha Techwin’s pre-sales support team to identify that the SRN-4000 network video recorder (NVR) could meet the client’s requirements.”

The Hanwha Techwin SRN-4000 NVR is designed to enable authorised personnel to quickly search and retrieve recorded video evidence of any incident. The model installed at Jump Nation has been equipped with 11 internal 4TB hard drives which are hot-swappable and support RAID5 and RAID6 recording, to provide protection against unrecoverable read errors, as well as whole HDD failure.

The five other SNV-6084Rs have been installed in non-critical areas such as the café and reception areas, and images from these cameras are installed on a Hanwha Techwin SRN-1670 NVR which has been configured to store images from all of the cameras for up to 31 days.

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