



Application Story

Travel Back to Medieval Cracow with a NEXCOM Digital Signage Player

A NEXCOM digital signage player has landed in an underground museum in Cracow, Poland. The museum, home to relics, monuments and scale models, uses advanced computer technologies to recreate the atmosphere of the middle ages. It utilizes multiple displays, touch screens and other devices to bring magnificent history to life. This crowd pleasing display, is driven by NEXCOM's high performance NDiS 163 Digital Signage Player which is programmed from a remote location.

A Feast for Eyes

Cracow, once Poland's capital, was the art, cultural, academic and economic hub of the nation. To restore the city's glory, the museum; with the help of NEXCOM's NDiS 163 Digital Signage Player; literally merged virtuality and reality together to show the true colors of ancient Cracow on an archaeological-architectural preserve.



▲ NDiS 163

Fanless Embedded Computer Powered by Intel® Core™ 2 Duo/ Celeron® M, Support Full HD Video Playback

NDiS 163 was powered by Intel® Core™ 2 Duo 2.26GHz processor with GM45 chipsets and Graphic Media Accelerator 4500MHD; it smoothly delivered images and videos of better resolution and intensity up to Full HD 1080p.

Incorporating a multitude of I/O options including VGA, DVI-D, HDMI, and SPDIF interfaces, the player is configured to amaze the public with substantial animations, 3D holograms, 3D digital reconstruction of buildings, multimedia posts, documentaries and films.

The NDiS 163, positioned as a high-performance digital signage player, is designed to deliver spectacular visual and sound effects. In this museum, large-size LCD, plasma, touch and projection screens were used extensively. A 3-meter wide screen was set up to playback a video of medieval marketplace scenes. Major events in the history of Cracow were played on a 190 degree projection screen as well. Thanks to NDiS 163, tourists were immersed in the thriving era of Cracow and left with unforgettable experiences.

Bask In Everlasting Glory

Like many digital signage systems, the one deployed by the museum is controlled remotely. Though located in Cracow, NDiS 163 is installed in a data center far away from the museum. With built-in network interface, NDiS 163 can transmit control signals, audio data, and video data over Ethernet.

Moreover, the durability and reliability of NDiS 163 is deeply admired. System slow down or failure caused by overheating was prevented by engineering design. The fanless construction of the NDiS 163 gives it added protection from dust. Whilst the aluminum top of the unit acts as a heat sink, enabling the digital signage player to faithfully perform its duties without rest.





With help from Microdis Electronics, the Polish computer distributor in this project, comprehensive aspects of Cracow were unveiled by sophisticatedly integration of historical heritage and digital signage.

Using NDiS 163, the museum allowed tourists to participate in the fascinating history of Cracow in medieval times.

About NEXCOM

NEXCOM International Co., LTD., an ISO-9001-certified company and a member of PICMG, PCI-SIG, and the Intel® Embedded Alliance, is at the forefront of the competition by offering OEM, ODM and OBM designs for products such as innovative blade servers; network security appliances; industrial and embedded PC products such as single board computers, embedded boards and systems; CompactPCI CPU boards; industrial-grade server boards; and customized platforms. Established in 1992, NEXCOM has since won several patents, awards, certifications for its high-quality products and service that meet international standards and worldwide customers' requirements. To serve its worldwide customers well, NEXCOM, headquartered in Taipei, Taiwan, has set up seven subsidiaries in the United States, the United Kingdom, France, Italy, Germany, China, Japan as well as distributors in the other parts of the world.