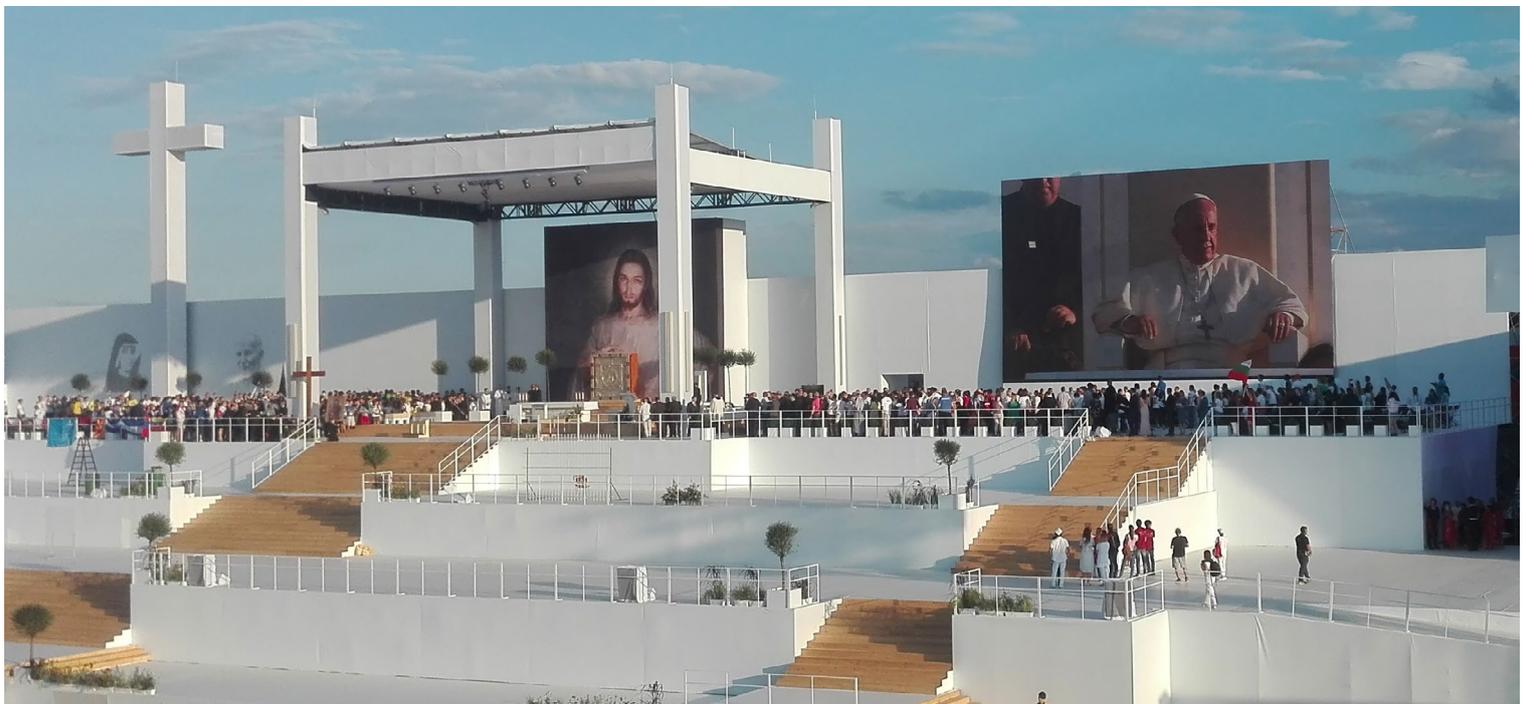


Case Study

Connecting the “Masses” with HDBaseT



End Customer: World Youth Day
Vertical: Cultural & Event Center



About the End Customer

Since 1985, when Pope John Paul II instituted “World Youth Day” to bring together young people and their spiritual leaders, 12 international World Youth Day celebrations have taken place. The latest, held in Krakow, Poland from July 25-31, 2016, drew over two million participants. Reliable, high-quality AV services providing long-distance connectivity were needed to support the “round-the-clock” media coverage desired by the event coordinators.

The Challenge

The organizers sought a solution that would provide consistent, high-resolution AV coverage of the ongoing celebrations to approximately 200 television, radio and press outlets, some located more than 100 meters away. The event was to be covered 24/7 by the media, with the central media campus operating continuously from July 24 through August 1. Because some of the events were scheduled to take place outdoors, weather conditions presented a big challenge. Further complicating matters were the stringent security guidelines, which dictated that after the equipment was installed in areas to be visited by the Pope no service personnel could return for maintenance purposes.

The Solution

SimpleAV chose Altona’s HDBaseT solutions due to their ability to meet the requirements for reliable, high-quality transmissions supporting connectivity over long distances. For example, TVP, the official Polish communications network, delivered the signal to a central hub via 12G fiber optic cables. SimpleAV, the local integrator, was then tasked with converting and separating this signal into video, audio and TV signals and distributing them to more than 180 outlets, some farther than 100 meters away.



Results

SuperAV handled equipment installation at each area visited by the Pope, including the central media campus as well as satellite locations, four of which were located outdoors. In cases where the distance from the hub to the displays was more than 100 meters, HDBaseT transmitters and receivers were daisy-chained. In two locations, Altona HD-CAT HDBaseT distributors with HDMI splitters at the end of the line transmitted the signals. The design of each installation was determined by the size and shape of each area and by the number of users. Existing infrastructure was used when available; alternatively CAT6a cables provided by SuperAV were used.

More than 40 75” and 55” monitors and more than 140 24” monitors were installed. Each monitor received 1920x1080 or higher signal resolution. Blackmagic Teranex 12G-SDI to HDMI converters were used to receive the TV signal from the official provider. Distribution of audio signal was provided by LD Audio to the press boxes. AV transmission flowed flawlessly throughout the event, proving once more that HDBaseT is the ultimate technology for reliability and feature-rich capabilities.

About HDBaseT

HDBaseT technology, powered by the Valens chipset, enables all-in-one connectivity between ultra-HD video sources and remote displays through a single 100 m/328 ft CAT6 cable or fiber, delivering uncompressed high definition 4k video, audio, USB, Ethernet, control signals and up to 100 watts of power.