

Public Safety Surveillance System with VIVOTEK Network Cameras Improves Lives of Citizens in Arvaikheer City, Mongolia

Background

Arvaikheer City is a provincial capital situated in the center of Mongolia. Foothills that flank the city regulate temperature for the most part – a luxury most of Mongolia is forced to live without – but a biting wind and overall harsh environment still pervades the region. Even with a natural protective barrier and moderate average temperatures, the city still experiences extremes, with lows that at times dip to a frigid -39°C with wind chill, as well as highs of over 33°C. The city has seen a slow but steady growth in population over the last few years, and the government responded by putting forth an initiative to equip Arvaikheer with a new public safety surveillance system. VIVOTEK, working together with the local distributor ITZONE LLC., answered the call by outfitting many of the streets and public areas of Arvaikheer with a strong line of security cameras perfectly fitted for the job.

Reducing Crimes , Improving Lives

The camera system had to cover a very expansive area of Arvaikheer city, about 64 km². The infrastructure of Arvaikheer is sparsely laid out, which meant that choosing locations for the cameras was limited to the various buildings and utility poles already in place. VIVOTEK cameras are well equipped to deal with such situations, and the cameras were strategically set up to accommodate this barrier. A bigger challenge in the project, however, was the local environmental conditions. Given the bone-chilling absolute lows and sultry highs, VIVOTEK was required to provide cameras that could function in the harshest of environments. In addition to the extreme temperature range, winds can reach speeds of above 90km/h, meaning the elements were sure to put VIVOTEK's equipment to the test.

Arvaikheer City decided to install a new public safety surveillance system to reduce crime in certain public areas. As far as the government was concerned, part of the challenge of a growing population is an increased responsibility to keep the peace. With a new system in place, crimes can be both caught and prevented, which was the basic requirement of the city commission. They requested high quality cameras that could be used to easily detect and identify a crime in progress, and thus deter people from attempting any illegal activity. The city wants its citizens to live in a clean and safe environment, so the system was designed to cover Arvaikheer City's main roads and public areas, as well as the entries to main highways that connect Bayankhongor, Arvaikheer and Ulaanbaatar.

In December of 2013, 74 VIVOTEK network cameras were installed across two main areas: one for monitoring public activities and the other for monitoring roads and traffic. Within the designated broader areas ITZONE chose a number of specific locations, 26 public locations and 6 roadside locations. In order to withstand the harsh environment, 14 units of the most durable cameras models were installed, including the SD8362E and SD8323E outdoor PTZ models. These cameras feature IP66 rated housing and extreme weatherproof housing. In addition to being durable, the SD8362E model boasts a very high frame rate up to 60 fps while the SD8323 has a very impressive optic zoom capability of up to 36 times. The IP8362 bullet model comprised the remaining 60 cameras, being capable of producing high resolution and high quality video in low light

conditions thanks to the WDR Enhancement technology, removable IR-cut filter, and built-in IR-illuminator.

High Performance, High Satisfaction

The surveillance system was successfully up and began operation on December 1, 2013. A government official who worked as a commission member for the project said, "The image quality and performance of the system are excellent and satisfied our needs."

Steve Ma, Executive Vice President of VIVOTEK indicated, "We are pleased to provide Arvaikheer City with excellent image quality and outstanding performance from our cameras. It is believed that the surveillance system enhances the peace of mind about security in Arvaikheer and improves the lives of the people tremendously."