

## Live broadcast from Rock for People.

Axis IP cameras provide broadcasting services at one of the biggest rock festivals in the Czech Republic.



**Organization:**  
Ameba Production, spol. s.r.o. (Rock for People)

**Location:**  
Czech Republic

**Industry segment:**  
Stadiums/Venues

**Application:**  
Broadcasting

**Axis partner:**  
NetRex s.r.o.

### Mission

It is not necessary to introduce the Rock for People festival to fans of this music genre. The 20th anniversary, again held at the former military airport in Hradec Králové, offered nearly 200 music performances and attracted an unbelievable 27,000 visitors. However, it is very demanding for the organizers to hold such an event. Besides the technical and security aspects, it is necessary to provide the visitors and media with new, novel ways of entertainment and presentation.

### Solution

The organizers decided to utilize the capabilities of Axis IP cameras and the NetRex mobile surveillance solution. This combination of leased technologies has proven very competent in practice. A total of 9 NetRex systems were installed on the premises, which monitored entrance gates, open spaces and fan crowds below individual stages.

The mobile sets were mostly equipped with AXIS P1354-E Network Cameras. Even a thermal AXIS Q1922-E Network Camera and a wide-angle AXIS M3027-PVE were available.

The CamStreamer application developed by NetRex, uploaded directly to all cameras, provided impressive live broadcasts to YouTube and a NetRex central hosted system platform managed reliable storage of the high quality recording. An AXIS P3363-V Network Camera in VOX POPULI mode was also installed. This camera, featuring an LED button and sophisticated software, enabled visitors to record video messages for other people, which were automatically transferred to the organizer's YouTube channel in no time.

### Result

The installed cameras allowed online activities in the area to be viewed from a central site. Stored recordings were available not only for resolving possible security incidents, but will also serve to promote next year's event. For example, some impressive time-lapse videos of stage construction and the course of the festival are available. Live broadcasts through YouTube made it possible for the general public to enjoy the unique atmosphere of the festival. And the VOX POPULI camera? That was true viral marketing in practice.

**“Live broadcasts from the festival using the NetRex system were a pleasant surprise for us. The CamStreamer application and other NetRex services opened up a new dimension for this, and possibly also for subsequent years of the festival.”**

**Oldřich Bajer, organizer of the Rock for People festival.**

The overall benefit of the solution was also supported by the economically advantageous lease of the technology, which represented an insignificant amount in the budget of the event.

### Live broadcast fast and easy

Transmission from the demanding environment of a rock festival required a truly sophisticated and robust solution. The CamStreamer application for Axis cameras combined with the NetRex mobile surveillance system turned out to be an ideal tool for transmitting live video and recordings.

“CamStreamer ([www.camstreamer.com](http://www.camstreamer.com)) is a revolutionary new software expanding the functionality of all Axis IP cameras with support from the application platform (ACAP). With CamStreamer you can transmit live video from the camera to your YouTube channel in literally just a few clicks,” says David Capoušek, Director of the NetRex company. “The application gets rid of the standard complex configuration. Forget about port forwarding, setting NAT or firewall. Contrary to other available solutions, you don’t need any other connected computer or public IP address for live broadcasting. Video recording is self-evident. YouTube will enable viewers to access up to 4 hour old recordings and local video recording can be used for longer storage times,” continues David Capoušek, introducing the key benefits of the application.

### Transmission from virtually anywhere

Practically-proven NetRex MVS<sup>i</sup> 01 sets that also enable reliable mobile connection to the Internet were deployed. These are equipped with a high-capacity rechargeable battery that will keep the camera running for at least 20 hours and can be recharged in only 6 hours. This distributor with technologies including the camera can be easily and quickly mounted on a wall, pole or a lamp-post, from which it can be advantageously powered.

Besides images, the NetRex system also transferred many other pieces of useful information. “Through a web interface you can continuously check the current state of the devices. The integrated GPS will show you the current position of a device and informs you immediately about any possible changes via SMS or e-mail. The system will also inform you in case the distributor is opened, about low battery level, power outage or a camera malfunction,” adds David Capoušek.

The AXIS P1354-E, AXIS M3027-PVE, and AXIS P3363-V Network Cameras provided great image quality in HDTV resolution. The latest Lightfinder technology provided great sensitivity and preservation of colours even in very bad lighting conditions. Attractive shots from the AXIS Q1922-E Network Thermal Camera were available during the night.

### The present and future

Besides high mobility and easy installation and operation, organizers of festivals also appreciate the greatly advantageous option of leasing the whole system.

Utilization of the VOX POPULI camera, which automatically transmitted a recorded 20-second take of visitors directly to a chosen YouTube channel after a press of a button, was also surprising. These recordings will keep spreading the atmosphere of the festival on the Internet for a long time.

The option of uploading other intelligent video applications directly to the camera opens up new possibilities for utilizing this solution not only when organizing other events, but also for guarding important locations.

