

## Dar El Oyoun Eye Institution, Egypt

Ophthalmologists in Dar El Oyoun Eye Institution combine AVer EVC900 with an ophthalmic microscope to share live cataract operation to doctors in outside meeting rooms.

### Organization

Dar El Oyoun Eye Institution (DEO) is a major Egyptian hospital system based in the city of Giza, with 13 branches in Egypt and Libya. Its primary goal is promoting medical education through distance learning. It also conducts research and offers clinical services with the support of 62 professors, associate professors and lecturers. In the past, DEO depended on closed circuit television (CCTV) for distance learning, which offered poor visual and audio quality. Furthermore, CCTV only permitted one-way communication, with only one side able to hear and see the other. In search of a better solution, DEO tried C brand's video conferencing lease program but found its network settings too complicated to configure without professional assistance. DEO considered many other alternatives before finally settling on AVer's EVC900.



### High Quality Live Video from Microscopes and Other Devices



Ophthalmologists depend on high-precision ophthalmic microscopes to perform surgery and see the microscopic blood vessel in the human eye, making the ability to transmit high quality live

video very important for ophthalmic distance learning. By linking an ophthalmic microscope to an EVC900 via DVI to HDMI adapter and using the EVC900's content sharing function, DEO was able to share video input from the microscope with viewers located in another room. The EVC900 features 16X optical zoom and full HD 1080p output, ensuring viewers could clearly observe all the operation's important details. The EVC900 also features one-touch recording, which allows viewers to save all procedures onto a USB thumb drive, including discussions and answers to interns' questions, providing a record for later use as teaching material.

### Efficient Communication between Branches



DEO also found that the EVC900 made organizing teaching programmes and seminars much easier than before. Now DEO can connect up to 10 sites, permitting branches to simultaneously receive updates on new surgical technologies and information, and even to communicate with overseas hospitals. All told, the EVC900 has allowed DEO to enjoy more efficient communication, teaching and collaboration.

*AVer would like to thank Dar El Oyoum Eye Institution and Tatas for their pivotal roles in creating this case study.*

