

FMUSER Delivers Lan-base IPTV System and CCTV Systems to Aya Sophia Resort Villa - Garden Hotel in Tanzania

FMUSER has successfully installed a comprehensive low-voltage package, including LAN IPTV, CCTV, and smart locks, at Tanzania's Aya Sophia Wildlife Resort.

GUANGZHOU, CHINA, May 8, 2026 /EINPresswire.com/ -- Professional engineering solution provider FMUSER has announced the successful delivery and installation of a complete low-voltage system for the Aya Sophia Wildlife Resort in Dar es Salaam, Tanzania. For this project, FMUSER provided a packaged [hotel IPTV solution](#) based on a Local Area Network (LAN), alongside CCTV security cameras, smart door locks, and access gates for parking and pedestrians. All hardware and software are currently fully operational at the hotel.



This successful hotel case study highlights advanced technology integration. The central IPTV system enhances guest experience with a welcoming display. It provides a comfortable and secure environment for modern hospitality.

SOLVING OPERATIONAL AND INFRASTRUCTURE CHALLENGES IN THE WILDERNESS

The Aya Sophia Resort is located on the edge of a wildlife reserve in Tanzania. This remote and dispersed environment created specific difficulties for equipment procurement, wiring, and daily operations:

- Extremely high internet costs: Internet bandwidth is highly expensive in remote areas. If guest room TVs rely on public network cloud streaming, the hotel faces massive monthly data bills.
- Wiring difficulties due to scattered buildings: The resort's tents and villas are spaced far apart. Traditional coaxial cables suffer from severe signal loss over long distances, resulting in blurry TV pictures.

□ Lack of technicians and network crash risks: There is a severe shortage of IP network engineers in the region. Pieced-together traditional UDP TV systems can easily trigger network broadcast storms, crashing the entire hotel's office network and security monitoring.

□ Balancing entertainment and security: As a resort within a wildlife reserve, Aya Sophia needs to offer guests high-quality video entertainment after a safari, while also maintaining hidden security (CCTV and gates) to keep unauthorized personnel or wild animals away from the rooms. Purchasing TV and security equipment from different brands complicates the installation and makes it difficult to manage both on a unified network.



A photograph taken inside a room at the Aya Sophia Wildlife Resort, featuring installed FMUSER IPTV and a smart door lock.

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The FMUSER products operate very stably. This complete system solved our network and maintenance challenges in a complex wild environment.”

Mahdi, IT Manager at Aya Sophia Wildlife Resort

To address these facts, FMUSER abandoned public-network streaming and outdated coaxial cables. Instead, the company provided a complete set of low-voltage equipment that runs entirely on LAN cables and is pre-configured before leaving the factory. This resolved the wiring limits, network conflicts, and high data costs while meeting the dual requirement for entertainment and security.

SPECIFIC FEATURES FOR GUEST NEEDS

The system's features directly address the practical needs of the guest rooms:

□ No TV blackouts (FBE700 Server): African grasslands experience frequent thunderstorms that disrupt satellite TV signals. The FMUSER FBE700 TV gateway server features an automatic video fallback function. If the external satellite signal drops, the system automatically switches to playing pre-stored local HD videos from its hard drive, ensuring guests do not face a black screen.

□ Privacy-safe casting (FBE013 Set-top box): The FBE013 set-top box allows guests to cast their personal Netflix or YouTube accounts. Upon checkout, the system automatically erases all login records to protect guest privacy.

□ Language and religious features: The TV system includes interfaces in over a dozen languages. For Middle Eastern guests, the system features a "Prayer Time" reminder that displays accurate daily prayer times on the screen.

□ Physical security and authorized access: The included CCTV cameras continuously record vehicle and personnel activity along the reserve borders and public pathways. The smart door locks ensure that only checked-in guests and authorized guides can enter specific rooms, maintaining safety without disturbing the natural environment.

THE PRACTICAL BENEFITS OF A COMPLETE EQUIPMENT PACKAGE

When building a low-voltage project in Africa, a major concern for hotels is "blame shifting" between suppliers if issues arise. Aya Sophia chose FMUSER to provide the entire hardware and software package for three practical reasons:

□ Clear accountability and plug-and-play: All equipment was fully configured in the Guangzhou laboratory before shipment. Once delivered to Tanzania, local workers only needed to plug in the network and power cables. No on-site coding was required, lowering the installation barrier.

□ Unified management: In the past, hotel staff had to manually update TV welcome screens or menus by walking



A photograph of the completed guest room interior at the Aya Sophia Wildlife Resort. It showcases advanced in-room technologies, including an installed IPTV system with a welcome screen and an IP telephone.



Guests at the Aya Sophia Wildlife Resort enjoy a unique safari experience, dining outdoors while a young boy interacts with a giraffe. The resort perfectly blends close wildlife encounters with comfortable, modern amenities.

to hundreds of rooms with a USB drive. With this unified system, engineers can update all TV content and icons simultaneously from a single web interface.

□ Cloud after-sales support: If network issues occur, FMUSER's technical team in Guangzhou can remotely access the system via the cloud to troubleshoot. The hotel does not need to hire expensive local IT experts; basic electricians are sufficient to maintain operations.

OBJECTIVE CHANGES AFTER DELIVERY

The implementation of this equipment has brought direct changes to the Aya Sophia Resort in four areas:

□ Management efficiency: Updating TV content is now done with a single mouse click. Cloud-based remote troubleshooting from FMUSER means the hotel saves on technical staffing costs.

□ Economic benefits: Running the TV system on the LAN means guests watch HD movies without consuming external internet data, saving the hotel significant bandwidth costs. Additionally, the on-screen "digital menu" allows guests to use their remote to order food or book safari guides, directly increasing in-hotel spending.

□ Security and privacy: The auto-clear function protects account privacy. The fallback video playback prevents black screens during storms. The unified gate and CCTV system provides a reliable physical barrier that records all entries and exits clearly.

□ Improved service details: Features like multi-language switching and Prayer Time reminders make the service professional. Guests can also scan a QR code on the TV screen to check flight information and WiFi passwords on their phones, reducing the number of routine questions handled by the front desk.

Mahdi, the IT Manager of Aya Sophia Wildlife Resort, stated after the system stabilized: "The FMUSER products, from the integrated gateway to the room set-top boxes, operate very stably. This complete system not only solved our network and maintenance challenges in a complex wild environment, but the multi-language interface, digital ordering, and thoughtful privacy



Guests at the Aya Sophia Wildlife Resort experience unique outdoor dining surrounded by free-roaming wildlife like giraffes and zebras. The resort seamlessly blends these immersive natural encounters with behind-the-scenes security to ensure a safe stay.

protection design have allowed our guests to truly feel the detail in our service. This product suite has played a major role in elevating our hotel's overall image. It has also saved me, as the IT manager, a massive amount of maintenance time and costs."

ABOUT FMUSER

FMUSER BROADCAST is a professional engineering solution provider headquartered in the Tianhe District of Guangzhou, China. The company focuses on providing global hotels, hospitals, schools, and other institutions with complete low-voltage hardware equipment. This includes a professional hotel IPTV solution, [hospital iptv tv systems](#), CCTV security cameras, smart door locks, access gates, parking barriers, as well as conference room audio/video broadcasting, hotel background music, and smart sockets.

ABOUT AYA SOPHIA WILDLIFE RESORT

Aya Sophia is a high-end resort located in Dar es Salaam, Tanzania, dedicated to providing global travelers with a safari experience that blends natural beauty with modern amenities.

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