

Cable Color's Journey to a Unified, Scalable Fiber Platform with ZCorum. How Cable Color Streamlined OLT Management Across Central America

CaseStudy

ZCorum's FiberVu software provided the flexibility to support Cable Color's multi-vendor OLT and PON environment and extensive custom development, enabling seamless integration with their existing systems.

INTRODUCTION

Cable Color is a leading telecommunications provider based in Tegucigalpa, Honduras, with operations across five Central American countries. Offering a broad range of communication and entertainment services—including fiber broadband, cable television, internet, telephony, VOIP, and related services—Cable Color has built a reputation for delivering high-quality connectivity solutions in the region.

THE CHALLENGE

Cable Color's operations had grown increasingly complex, navigating a multi-vendor OLT and PON environment. To stay efficient, they required a robust, flexible system for provisioning and managing both subscriber and device information. Additionally, they needed a solution that could streamline every aspect of their operations.

Their fiber operation lacked key features like TR-069 support and compatibility with multiple OLT brands making it hard to keep up with new technologies. Moreover, the system fell short when it came to providing diagnostic capabilities comparable to what newer systems offer. On top of that, they required custom ACS development to manage their devices more efficiently.

To complicate matters further, Cable Color operated a DHCP server on an edge router, and any new system needed to integrate seamlessly without disrupting the existing configuration.

Cable Color sought a technology partner that could address their unique requirements and offer extensive development support. However, other software vendors either lacked the flexibility to accommodate their needs or were unwilling to invest the time in building the necessary features.

AT A GLANCE

Cable Color needed a flexible system to support a mix of OLT brands, PON technologies, and several custom requirements across their Central American network. ZCorum's FiberVu platform delivered multi-vendor support, advanced diagnostics, and custom ACS features that fit seamlessly into their existing systems. The result is a smooth migration of 200,000+ subscribers to a scalable, future-ready platform.

THE SOLUTION

During their search, Cable Color discovered ZCorum's FiberVu software, which stood out for its ability to support multi-vendor environments. Unlike other solutions, FiberVu could handle the complexity of a multiple fiber-optic broadband access standards like EPON, GPON, and XGS-PON. Another key improvement in transitioning to FiberVu was its advanced diagnostic functionality, which was missing in their previous setup.

ZCorum's team not only had the technical expertise but also the willingness to take on extensive development work, which included integrating several custom features requested by Cable Color. These features ranged from advanced ACS capabilities to seamless API integration with Cable Color's in-house billing system.

Additionally, ZCorum customized FiberVu's embedded ACS to replicate the quality of experience that Cable Color was accustomed to with its previous network management systems, ensuring a seamless transition and uninterrupted operations.

THE RESULTS

FiberVU delivered measurable improvements from day one. Cable Color immediately gained deeper insight into subscriber devices and overall network health, which they didn't have before. Their operations team can now identify issues faster and spend far less time troubleshooting, thanks to the added diagnostics and custom ACS features.

With unified support for EPON, GPON, and XGS-PON, Cable Color can grow its subscriber base and introduce new technologies without rebuilding its provisioning or management systems. The flexible architecture also supports multiple OLT vendors at once, giving Cable Color the confidence to continue expanding across Central America without worrying about outgrowing their platform.

THE BOTTOM LINE

Cable Color's partnership with ZCorum has proven to be a success, with a scalable, future-proof system now supporting their expansive subscriber base. As they continue the migration, they are well-positioned to manage new equipment, technologies, and subscriber needs, ensuring high-quality service across Central America.

"Partnering with ZCorum has been an exceptional experience for us. Their understanding of our unique needs and their willingness to develop a custom solution has allowed us to efficiently manage our diverse challenges while integrating seamlessly with our existing systems. With ZCorum's support, we are confident in our ability to expand our operations with them and continue delivering exceptional service to our customers across Central America."

*Cesar Rosenthal
Chief Operating Officer
Cable Color*

ZCorum is the leading provider of innovative diagnostics and managed broadband solutions to telecommunications companies, helping them reduce costs, increase operational efficiency and improve the subscriber experience. For more information on ZCorum Fiber provisioning and activation, visit ZCorum.com/fibervu.



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