

# Distribution ZHC

The **Distribution ZHC** is the 5<sup>th</sup> generation of Z-Band's **RF Video distribution system**. It allows you to distribute CATV and MATV signals using category cable and distribute television in your facility without pulling coax or impacting your network.



## New Features include:

- 1U device that is equipped with 8, 16, and 24 outputs, allowing for more efficient designs of the Z-Band system, reducing the overall cost
- Offers more control than any other RF system
- Allows for viewing of each Z-Distribution unit and connected television
- Ability to check signal levels of any Z-Distribution device and connected balun
- Offers diagnostic software
- Option for built in switching that allows for full integration with current infrastructure

## Single-Mode Fiber Receiver\*

Each Z-Distribution ZHC unit has an option to include a fiber receiver that saves rack space, limits cabling and power connections, and takes all signal attenuation or amplification into the Z-Band system.

- Fiber receiver accepts a single mode fiber feed using an SC/APC connector
- Transmits the CATV to each port on the Z-Distribution ZHC
- Easier to pull, takes up less space than traditional coax, and creates a more resilient system compared to coax

## Distribution ZHC

### Overview

Distribute CATV and MATV without pulling coax

8, 16, & 24 output options reduce overall cost

Compatible with Pro:Idiom encryption

Compatible with Samsung Lync and LG Pro: Centric TV Control

Embedded switch option for VOD integration

### Fiber

Saves rack space

Easier to pull

Single mode fiber feeds using SC/APC connector

More resilient than coax

### Switch

Communicates with Smart TVs, VOD systems and IP enabled set top boxes

Saves money, time, and space

### The Diagnostic Software

Remote diagnostics of your RF system

Information on each unit

Most user-friendly CATV system on the market

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## Integrated Switch\*

Each Z-TV Distribution unit can be outfitted with a Layer 2 switch.

The Layer 2 switch:

- Communicates with Smart TVs, VOD systems, and IP enabled set top boxes
- Enclosed within the Z-Distribution ZHC
- Accessed by using the 2nd NIC port on the back of the Z-Distribution ZHC
- The internal switch saves money, time, and space

## Diagnostic Software\*

Using the primary NIC port, access is available to each Z-Distribution ZHC for the purpose of gathering diagnostic information.



- Gathers incoming video connection type, signal strength, the number of baluns connected to each ZHC, and the operating information of the ZHC
- Takes this diagnostic information into a software platform and allows for remote diagnostics of your RF system
- Allows technicians to take signal measurements at each Distribution ZHC unit, port, and balun
- Acts as an enterprise-level software that allows for status monitoring and notifications of changes within your system

**This diagnostic software makes Z-Band the most user-friendly CATV distribution system on the market.**

## About Z-Band

Z-Band was one of the earliest technologies to achieve convergence, voice data, and video traveling across one cable, on one infrastructure.

Since its inception in 1999, Z-Band has seen tremendous technological change as well as tremendous growth.

Today, Z-Band supports a full spectrum of RF (Z-TV) and IP (Z-IP) video distribution products and possesses a staff that designs, commissions, and supports hundreds of projects in the United States each year.

\*Optional features of the Distribution ZHC system