



# Z-TV Distribution ZHC

## Product Specifications



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### Product Description

The Distribution ZHC is the 5<sup>th</sup> iteration of Z-Band's RF distribution system. The Distribution ZHC is designed to distribution channels 2-135 of an RF video system (54 to 860MHz) while keeping the video programming in its native RF format. The Distribution unit automatically splits, amplifies, slopes, and attenuates signal levels when necessary. The system is designed to balance itself with no in-line amplification or manipulation.

### Monitoring & Management Software

Z-Band's Distribution ZHC is the first of our systems to offer a full diagnostic and monitoring software that will be accessible via the network. This software platform will allow our customers and our staff to monitor and manage an individual unit or an entire system. This software will increase our capability to manage and diagnose issues with our Z-TV deployments and add an additional level of service to Z-Band and its partners.

### Options

The Distribution ZHC includes a variety of options for both connections and function. The system can support either a coaxial or Single Mode Fiber signal input and has add-on features such as software for remote system management, a Layer 2 switch, and IR or RS 232 control software. We recommend contacting your Z-Band market manager or territory rep for ordering information and details on option packages.

Models	Distribution ZHC 8/16/24 F/S/FS
Physical Description	<b>Dimensions:</b> 17" wide x 1 7/16" high x 12" deep (designed for 1RU of rack space) <b>Weight:</b> 7lbs
Electrical Power	<b>Power Consumption:</b> 18V DC @ 1.5A via external power supply <b>External Power Supply Input Voltage:</b> 100-240V AC, 50-60Hz, 2A Max
Transmission Details	RF Signal outbound on pins 7&8 of CAT cable, IP data (10/100 maximum) passed on pins 1,2,3,6
LED Lights	<ul style="list-style-type: none"><li>➤ Front Panel Only, Listed Top To Bottom</li><li>➤ Master – Red LED, On when unit is in Master Mode</li><li>➤ Satellite – Yellow LED, On when unit is in Satellite Mode</li><li>➤ Power – Green LED, flashes when unit is detecting issues with power supply, solid when on</li></ul>

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System Requirements	<ul style="list-style-type: none"> <li>✓ C/N: Greater than 43dB</li> <li>✓ CTB: Greater than 50dB (134 channel loading)</li> <li>✓ CSO: Greater than 51dB (134 channel loading)</li> <li>✓ MER: Greater than 32dB</li> </ul>	
Resolution	<p><b>Video Resolution:</b> Z-Band system makes no manipulation to video programming. All visible and non-visible content is passed through to the viewing/decoding device. This includes, closed captioning, EAS data, alternate languages, and any resolutions sent in a 6MHz video frequency.</p>	
Electrical Radio Frequency	<ul style="list-style-type: none"> <li>✓ Designed for Forward Path only 54Mhz to 860MHz using CAT 6 or greater cable</li> <li>✓ IP multicast or unicast recommended for return video programming</li> <li>✓ Pilot Tone 240MHz or 870MHz (240MHz default)</li> <li>✓ Output Level: 23dBmV on all eight coaxial outbound ports</li> </ul>	
Input/Output	Input	Output
	<ul style="list-style-type: none"> <li>✓ Ethernet 10/100Base T via RJ-45 shielded connector</li> <li>✓ Single Mode Fiber w/ SC/APC Connection</li> <li>✓ F-Connector for RG-6 or RG-11 coaxial input</li> </ul>	<ul style="list-style-type: none"> <li>✓ Qty. 8 F-Connectors on rear panel for distribution of TV Signal to satellite Distribution ZHC units</li> <li>✓ Qty. 8/16/24 RJ-45 interfaces on front panel for distribution to Z-TV Baluns</li> </ul>
Environment	<p><b>Operating Temperatures:</b> 0°C to 55°C  <b>Relative Humidity:</b> 5% to 95% (non-condensing)  <b>Storage Temperature:</b> -40°C to 70°C  <b>BTU/HR:</b> Approx. 400</p>	
Agency Standards	FCC Part 15, Subpart B Compliant	