

## ITX08-015 INDOOR BROADBAND TRANSMITTER



- **Multichannel Analog/Digital Broadband Transmitter**
- **Can Feed 4 Receivers at 18 Kilometers Each or 1 Receiver at up to 25 Kilometers**
- **Modular Design. Solid State Technology**
- **Requires Only 7 Inches (17.8 cm) of Indoor Rack Space**

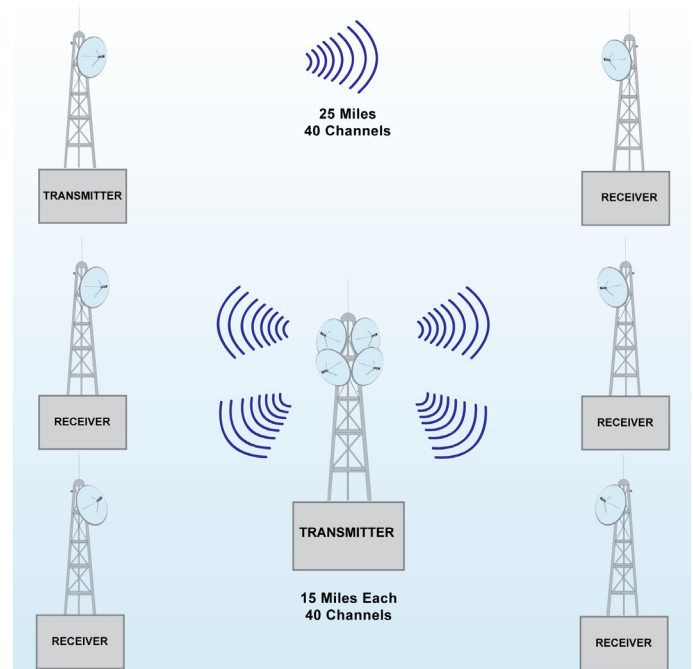
### PRODUCT APPLICATION:

The ITX08-015 is a solid state broadband transmitter designed to implement high quality, cost-effective microwave links for transporting up to 80 television analog channels, multicarrier digital channels or a combination of both.

This transmitter can be used to feed a single link or several links simultaneously. A typical application example would be a single 25-mile (40 kilometer) link, or 4 simultaneous links of 15 miles (25 kilometers) each.

This transmitter can be used alone or in pairs for full redundancy. The ITX08-015 is rack mounted for convenience and ease of access to components. It incorporates the latest Gallium Arsenide power amplifier technology to deliver a clean, reliable signal.

Output signal monitoring as well as operation diagnostic measurements are easily performed without interrupting operation. Remote monitoring is offered as an option.



# Product Specification<sup>1</sup>

# CABLE AML

<b>Transmitter</b>																			
Input Frequency:	47 to 550 MHz																		
Input Level (80 Channel Loading):	+24 dBmV																		
Output Frequency <sup>2</sup> :	7.85 to 8.40 GHz																		
Output Level for 65 dB C/CTB:	<table border="1"><thead><tr><th>Channels</th><th>dBm/Channel</th><th>C/N (dB)</th></tr></thead><tbody><tr><td>12</td><td>15.0</td><td>67.0</td></tr><tr><td>21</td><td>12.5</td><td>64.5</td></tr><tr><td>35</td><td>10.0</td><td>62.0</td></tr><tr><td>60</td><td>7.0</td><td>59.5</td></tr><tr><td>80</td><td>5.5</td><td>58.0</td></tr></tbody></table>	Channels	dBm/Channel	C/N (dB)	12	15.0	67.0	21	12.5	64.5	35	10.0	62.0	60	7.0	59.5	80	5.5	58.0
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Nominal Gain <sup>2</sup> :	29 dB																		
Frequency Response:	±1 dB																		
Frequency Stability:	0.0005%																		
Input Return Loss:	15 dB																		
Input Connector:	Type "F"																		
Output Return Loss:	18 dB																		
Output Connector	Type "N"																		
Temperature Range:	60° to 100°F (16° to 38°C)																		
Humidity	95% max.																		
Primary Power:	120/240 VAC, 50/60Hz (per customer specification)																		
Power Consumption:	350 VA RMS																		
Mounting:	EIA Standard Relay Rack																		
Weight:	34.25 lb. (15.5 kg)																		
Dimensions:	19" rack width x 7" H x 20" D (48.26cm W x 17.78cm H x 50.88cm D)																		

<sup>1</sup> Specifications subject to change without prior notice.

<sup>2</sup> Other frequencies available.