

## CRF-010 Smart RF head-end



This VHF/UHF headend provides up to 8 channelized signals to be reformed from RF on cable to RF over IP. Thus a coax can be connected to an ethernet service such as UTP or fiber and is fully routable in a corporate IT environment, or utilize a dark fibre for low latency applications.

All signal processing is digital and provides full duplex operation. A minimum of two units are required for a system, with application of one to many configuration. Real time spectral analysis is available for diagnostics. Frequency translation is possible from one frequency to another on a channel basis, or band basis.. Regeneration options can be configured to maximum low signal performance, and various trunking friendly options are possible.

Control and monitoring of the units is accomplished by communication over Ethernet, provided by SNMP and web browsing.

### Capabilities

- Smart headend
- 8 channels, mode agnostic with regenerator. All bandwidths catered for.
- RF to IF translation permits frequency translation capability.
- VHF & UHF ; available 40-960 MHz
- Remote spectrum analyser
- Web browser setup
- Copper or fibre interface
- **A CortexRF product**

### Specifications CRF-010

Maximum output power : 2W PEP (higher power levels available)

Typical deployed noise floor : -127 dBm (10kHz BW)

Power consumption : typ 11 Watts  
10 to 35 V input

RF Cable interface : SMA x 2

IP cable interface : RJ45 / SFP Optical

Dimensions : Hammond 1455Q enclosure  
222x 125 x 51

Operating temperature : -20 to +55 C