The ComNet™ CL(T,R)VE1COAX[POE]/M is a communications link that combines composite analog baseband video and 10/100T(X) Ethernet on a single RG59 coaxial cable and transmits it up to 500 meters. The device is particularly suited to applications where the addition of IP Video to an existing analog video system is required. The CLTVE1COAXPOE/M model can provide power to the camera via PoE.

FEATURES

- Simultaneous transmission of IP video, and composite analog video up to 500m over RG59 coaxial cable
- Proprietary adaptive analog equalizer for extending the reach of composite analog video
- Full-duplex digital communications
- Continuous Transmitter to Receiver Ethernet throughput up to 36Mbps
- Continuous Receiver to Transmitter Ethernet throughput up to 11Mbps
- Single-Channel Transmitter with optional IEEE 802.3at PoE power capability from 24VAC
- Single or Dual Channel Receiver
CL(T,R)VE1COAX[POE]/M

Analog and IP Video over COAX

SPECIFICATIONS

**Video**
- Input Signal: 1V pk-pk 75Ω
- Overload: >1.5V pk-pk
- Bandwidth: 5 Hz - 6 MHz
- Diff. Gain Error: <2%
- Diff. Phase Error: <0.7°
- Tilt: <1%
- Signal-to-Noise Ratio: 67 dB
- Max RG-59 Distance: 500m (1,640ft)

**Ethernet**
- Interface: 10/100BASE-T(X) Ethernet, RJ-45
- Wire Type: 4-pair CAT5 or better
- Data Rate: Switch Selectable:
  - Downlink: 36Mbps 25Mbps 21Mbps
  - Uplink: 11Mbps 4Mps 3Mps
- PoE: 30W IEEE802.3at

**Power**
- Operating Voltage Range: Non-PoE: 12 to 36 VDC
  - PoE: 12 to 36 VDC or 24 VAC
- Power Consumption: 2W

**Electrical & Mechanical**
- Overload Protection: Automatic Resettable Solid-State Current Limiters
- Circuit Board: Meets IPC Standard
- Size (L × W × H):
  - CL(T,R)VE1COAX/M: 4.1 × 3.7 × 1.1 in. (10.4 × 9.4 × 2.8 cm)
  - CLTVE1COAXPOE/M: 4.1 × 3.7 × 2.2 in. (10.4 × 9.4 × 5.6 cm)
  - CLRVE2COAX: 6.1 × 5.3 × 1.1 in. (15.5 × 13.5 × 2.8 cm)
- Shipping Weight: <2 lb./0.9 kg

**Environmental**
- MTBF: >100,000 hours
- Operating Temp: -40° C to +75° C
- Storage Temp: -40° C to +85° C
- Relative Humidity: 5% to 95% (non-condensing)

**Included Accessories**
- DC Plug-in Power Supply, 90-264 VAC, 50–60 Hz (Included)

**Options**
- 24VAC, 3A Power Supply (for use with CLTVE1COAXPOE/M model)
- [2] Add suffix '/C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory)
- DIN-Rail Mounting Adaptor Plate Kit - With Mounting Hardware (Optional, order model DINBKT1)

**ORDERING INFORMATION**

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<tr>
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<th>Description</th>
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<tr>
<td>CLTVE1COAX/M</td>
<td>Medium Size Surface Mount Analog and IP Video over COAX Transmitter</td>
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<tr>
<td>CLRVE1COAX</td>
<td>Medium Size Surface Mount Analog and IP Video over COAX Receiver</td>
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<tr>
<td>CLTVE1COAXPOE/M</td>
<td>Medium Size Surface Mount Analog and IP Video over COAX Transmitter with POE</td>
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<tr>
<td>CLRVE2COAX</td>
<td>ComFit 2 Channel Analog and IP Video over COAX Receiver</td>
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**TYPICAL APPLICATION**

![Diagram showing typical application of CLTVE1COAX and CLRVE1COAX devices with analog and IP video over COAX connections, including power supply and monitoring equipment.]

NOTE: In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

[1] Power consumption does not include that of Powered Device(s) (PD)