Overview
GE’s UTP Passive Video-Data-Power (VDP) Balun Combiners are now IFS. The VDP-B Series Baluns are single-channel devices that combine video, PTZ data and camera power over a single 4-pair UTP cable.

CCTV installations in a structured wiring environment are simplified via an RJ-45 connector, and comply with the EIA/TIA 568B industry standard. The video connection is made through a BNC connector, while power and data are provided by separate twisted-pair pigtails.

These baluns also feature built-in surge suppression to protect video equipment against damaging voltage spikes while delivering exceptional noise immunity to ensure quality video signals.

Short-range configuration (750 ft)
Baluns can transmit video up to 750 feet (228m) when used in pairs or with a VDP-ES Series Multi-channel VDP Receiver Combiner.

Long-range configuration (2,000 ft)
Baluns can transmit up to 2,000 feet (609m) when used in combination with a VDP-MS Series Multi-channel VDP Mid-span Combiner and a VTP-AR4 Series Multi-channel Active Video Receiver.

Long-range configuration (3,500 ft)
Baluns can transmit up to 3,500 feet (1,066m) when used in combination with a VDP-MS Series Multi-channel VDP Mid-span Combiner and a VTP-AR6 Series Multi-channel Active Video Receiver.

Standard Features

Video
• NTSC, PAL and SECAM compatible
• 60dB crosstalk and noise immunity
• Supports “up-the-coax” PTZ control

Design
• Combines video, data and power
• Compact size
• RJ-45 plug-n-play installation
• No operating power required
• Surge protection

Distance
• Short-range configuration (up to 750 ft.)
• Long-range configuration (up to 2,000 ft.)
• Long-range configuration (up to 3,500 ft.)

Warranty
• Comprehensive Lifetime Warranty

VDP-B Series
Single-channel UTP Passive Video-Data-Power (VDP) Balun Combiners
**Typical Applications**

**Short-range Application – 750 feet**

- UTP – Data & Power
- VDP-B Series Balun Combiner
- Video/Data/Power
- VDP-ES Series VDP Receiver Combiner
- Up to 16 Video Channels
- DVR

**Long-range Application – 2,000 feet**

- UTP – Data & Power
- UTP Video Pass-thru w/ Data & Power
- VDP-B Series Balun Combiner
- VDP-MS – (Ext. P/S)
- VDP-MSP – (Int. P/S)
- Video/Data/Power
- UTP
- UTP – Data & Power
- VTP-AR4 Series Active Video Receiver w/ AVC
- Up to 16 Video Channels
- PTZ Data
- UTP
- Power
- COAX
- DVR

**Long-range Application – 3,500 feet**

- UTP – Data & Power
- UTP Video Pass-thru w/ Data & Power
- VDP-B Series Balun Combiner
- VDP-MS – (Ext. P/S)
- VDP-MSP – (Int. P/S)
- Video Pass-thru
- Power
- PTZ Data
- UTP
- UTP – Data & Power
- VTP-AR6 Series Active Video Receiver w/ AVC
- Up to 16 Video Channels
- DVR
## Single-channel UTP Passive Video-Data-Power (VDP) Balun Combiner Specifications

### Agency Compliances
- UL
- cUL
- CE
- C-Tick
- WEEE

### Ordering Information

<table>
<thead>
<tr>
<th>Part No.</th>
<th>GEC-VCR</th>
<th>GEC-VPDBC</th>
<th>GEC-VCR12V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td><img src="image1.png" alt="Image" /></td>
<td><img src="image2.png" alt="Image" /></td>
<td><img src="image3.png" alt="Image" /></td>
</tr>
<tr>
<td>Feature</td>
<td>Video/Power</td>
<td>Video/Data and Power</td>
<td>Video/Data and Power</td>
</tr>
<tr>
<td>Built-in 12VDC Converter</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Connectors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Video Connector</td>
<td>BNC</td>
<td>BNC</td>
<td>BNC</td>
</tr>
<tr>
<td>UTP Connector</td>
<td>RJ45</td>
<td>RJ45</td>
<td>RJ45</td>
</tr>
<tr>
<td>Electrical &amp; Mechanical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Power</td>
<td>None required</td>
<td>None required</td>
<td>None required</td>
</tr>
<tr>
<td>Enclosure</td>
<td>ABS plastic 91V-O UL rating</td>
<td>ABS plastic 91V-O UL rating</td>
<td>ABS plastic 91V-O UL rating</td>
</tr>
<tr>
<td>Dimensions (H x W x L)</td>
<td>0.88&quot; x 0.88&quot; x 0.68&quot;</td>
<td>2.3 x 2.3 x 1.72 cm</td>
<td>1.5&quot; x 1.25&quot; x 0.8&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>.06 lb (25 g)</td>
<td>.06 lb (25 g)</td>
<td>.06 lb (25 g)</td>
</tr>
<tr>
<td>Environmental</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-10°C to +70°C</td>
<td>-10°C to +70°C</td>
<td>-10°C to +70°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-30°C to +70°C</td>
<td>-30°C to +70°C</td>
<td>-30°C to +70°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>0 to 95%, non-condensing</td>
<td>0 to 95%, non-condensing</td>
<td>0 to 95%, non-condensing</td>
</tr>
</tbody>
</table>

© 2011 Interlogix, A UTC Fire & Security Company. All rights reserved.

GE and the GE monogram are trademarks of the General Electric Company and are under license to UTC Fire & Security, 9 Farm Springs Road, Farmington, CT 06034-4065

Security Products by GE are now part of the UTC Fire & Security family