



# IP Network Camera Extender

## Model 1173

Patton's Plug-and-Play IP Network Camera Extender enables users to place their IP cameras over fifteen times farther than the standard distance of 328 feet (100 meters) over standard phone grade twisted pair

### Extends IP Video over 15 times its natural limitations

Extend high resolution IP Video up to 6,000ft over telephone grade twisted pair cabling

### Use with any Camera with an Ethernet interface

Fully compatible with any IP cameras and its managing software

### Transparent to IP Video schemes

Fully transparent to compression schemes such as WMV, MPEG-4 and MJPEG

### Flexible Installation Options

Wall or DIN mountable

### No Configuration Required

Plug-and-Play

### Ruggedized

Housed in a metal enclosure with an operating temperature of -10 to 70°C

| Line Rates (AWG 24/0.5 mm) |                           |
|----------------------------|---------------------------|
| Downstream in Mbps         | Distance in feet (meters) |
| 4                          | 6,000 (1,830)             |
| 16                         | 4,000 (1,200)             |
| 50                         | 2,000 (610)               |

The Patton Model 1173 IP Network Camera Extender enables streaming video rates of up to 50 Mbps over ordinary phone grade twisted pair. Unlike wireless, wire-line extension provides a secure and reliable connection without needing a clear line of sight. Dependable performance and streaming rates up to 50 Mbps, the Model 1173 is the perfect solution for transporting high resolution security video footage.

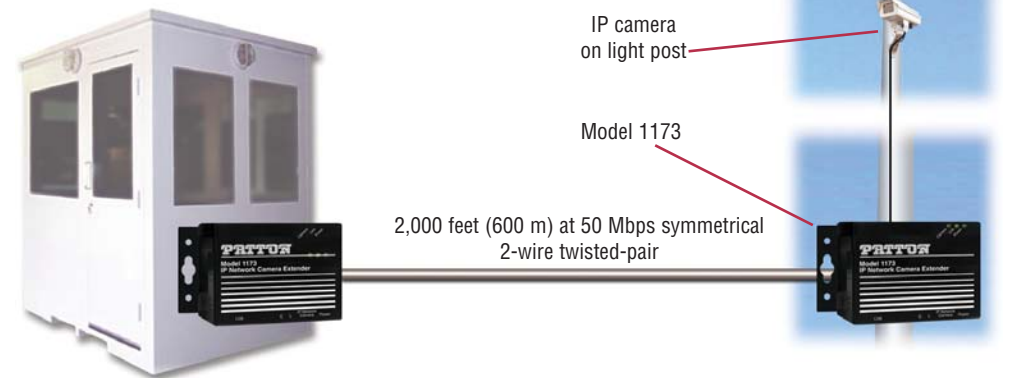
While the device is plug-and-play, the Model 1173 contains three user-selectable settings for line rates providing for flexibility in achieving the optimal video resolution-distance combination. The Model 1173 is completely transparent to protocols, codecs, and applications ensuring compatibility with any IP camera and its management software.

Visit [www.patton.com](http://www.patton.com) for more information.

### Applications

The Model 1173 IP Network Camera Extender's are ideal for delivering IP Video links to remote camera installations that are beyond the 328-foot (100-meter) distance limit of Ethernet. The 50 Mbps line rate eliminates bandwidth concerns previously experienced with other copper wired transmission

technologies. By utilizing existing voice grade copper pairs, alarm circuits, etc. the expense and hassle of installing new cabling is eliminated.



### Ordering Information

**Model 1173R/EUI-2PK:** IP Network Camera Extender Kit; -10° to 70°C ; UI

**Model 1173R/CC/EUI-2PK:** IP Network Camera Extender Kit; -10° to 70°C , conformal coated (humidity 85% condensing from -10 to +35°C); UI

### Specifications

**Line interface:** RJ-45 (pin 4 = ring; pin 5 = tip)

**Ethernet interface:** 8-position shielded RJ-45. Auto-sensing 10/100Base-T with half or full-duplex operation. DIP switch capable of disabling 100-Mbps full-duplex for equipment that does not support 802.3X (Pause Packets)

**Protocol:** Transparent to high layer protocol. Supports 802.1Q VLAN tagging

**Modulation:** Quad Amplitude Modulation (QAM) 4-band

**Duplexing Method:** FDD (Frequency Division Duplexing)

**Frequency Range:** Up to 0–12 MHz

**Line Rate:** 50 Mbps

**Temp:** -10 to 70°C,

**Compliance:** FCC Part 15A, CE Mark, EMC Directive 89/336/EEC, Low-Voltage Directive 73/23/EEC

**Power Supply:** External AC and DC options: 120 VAC, and universal input (UI)—100–240 VAC, or optional -48 VDC, -24 VDC, or -12 VDC

**Humidity (Standard):** Up to 90% non-condensing

**Humidity (Conformal Coated):** 85% condensing humidity from -10 to 35°C

**Dimensions:** 1.5H x 4.13W x 3.75D in. (3.81H x 10.5W x 9.53D cm)

**Weight:** 0.4 lbs (0.18 kg) without power supply

# Network Access & Connectivity Solutions for Enterprise, Carrier & Industrial Applications

Patton Electronics—a leader in the production of network access and connectivity products—is building on its expertise in integrated network access, transmission, IP and Frame Relay technologies and leading in the development of right-priced products to simplify human and machine access to the global network.

The Patton brothers, Bobby and Burt, founded Patton Electronics in 1984, while students in college. Over the succeeding 20+ years, Patton has taken those simple beginnings and expanded into a multi-national manufacturing company that today employs more than 180 people and provides a product line in excess of 1000 items.

For your next project that needs to meet aggressive price points, while delivering high performance results, call on Patton. We're ready to deliver!



**Device Servers**  
Industrial Device Networking



**Ethernet Extenders**  
Going the Distance



**Baluns**  
Audio, Video and Data Baluns



**Surge Protectors**  
DataLine Protectors & Isolators



**Routers**  
WAN Link-Up For Less



**Dial-Up Access**  
More Dial-up, Less Dollars



**Line Drivers**  
Line Drivers & Short Range Modems



**Industrial Computers**  
Ultra-Miniature Computers



**Hardened Networking**  
Ruggedized Data & Tele Comms



**Converters**  
Interface and Media Converters



**Voice-Over-IP**  
More Than Just Talk



**WAN Aggregation**  
TDM & IP Aggregation

www.patton.com

PE-Inalp Networks Private Ltd  
An Associate of  
**PATTON**  
Electronics Co., USA

Old No. 14 and New No.6,  
Brahadambal Road,  
Nungambakkam High Road  
Chennai: 600 034, India  
Phone **+91 44 45490395/6/7**  
Fax **+91 44 4549.0394**  
Email **sales@patton.co.in**  
Web **www.patton.co.in**

Patton-Inalp Networks AG  
**PATTON**  
inalp networks

Meriedweg 7  
CH-3172 Niederwangen  
Switzerland  
Phone **+41 (31) 985 25 25**  
Fax **+41 (31) 985 25 26**  
E-mail **sales@inalp.com**  
Web **www.inalp.com**

Patton Electronics Co.  
**PE PATTON**  
Electronics Co.

7622 Rickenbacker Drive  
Gaithersburg, Maryland 20879  
USA  
Phone **+1 301 975 1000**  
Fax **+1 301 869 9293**  
E-mail **sales@patton.com**  
Web **www.patton.com**

07M1173-DS2

Patton is a registered trademark, and TrinityAE and Visuality are trademarks of