

Applications:

- IP Video Networks
- IP-based Control Devices and Sensors
- Video Surveillance
- Perimeter Security
- Transportation Systems
- Media Converter

Key Highlights:

- Self-Managing Gigabit Ethernet Ring
- Auto Configures with all Ethernet Switches and Routers
- ITU G.9954 Port for IP Video Ethernet over coax
- 4 Ethernet Service Ports on RJ-45 for IP Devices
- 8 Hour battery back-up option
- Status Indicator LEDs
- Remote management of RHINO, UPS Batteries and IPcoax units

The RHINO IPV provides cost effective Gigabit Ethernet transport for IP Video networks. IP Video cameras are easily connected into a robust self-healing ring that integrates seamlessly into existing Ethernet IT networks.

IP Video using a Hardened Gigabit Ethernet Ring

The RHINO IPV is a rugged GigE transport platform with an integrated Ethernet switch. The service inputs to the IPV are four (4) 10/100 Ethernet ports and an ITU G.9954 Ethernet over coax port. The network ports are Gigabit Ethernet and can be any distance range of single mode or multimode fiber or copper.



Industry's Most Flexible IP Video Transport System

- RHINO IPV is optimized for IP Video applications
- Hardened enclosure and electronics withstand harsh weather
- Pluggable optical and/or copper SFP ports provides flexibility
- Ethernet switch capabilities provides flexible IP data management

IP Video Cameras Over Existing Coax

The RHINO IPV has an Integrated G.9954 port that enables IP Video over existing Coax. IP Camera images are carried over coax at 120Mbps simultaneously with other IP Cameras connected to ReadyLinks IPcoax 602 units.

Open Standards Based

The RHINO IPV is compatible with all major Ethernet Switch and Router Vendors. The IPV is truly a plug and play Ethernet termination solution.

Rapid One Step Provisioning, Multiple Management Options

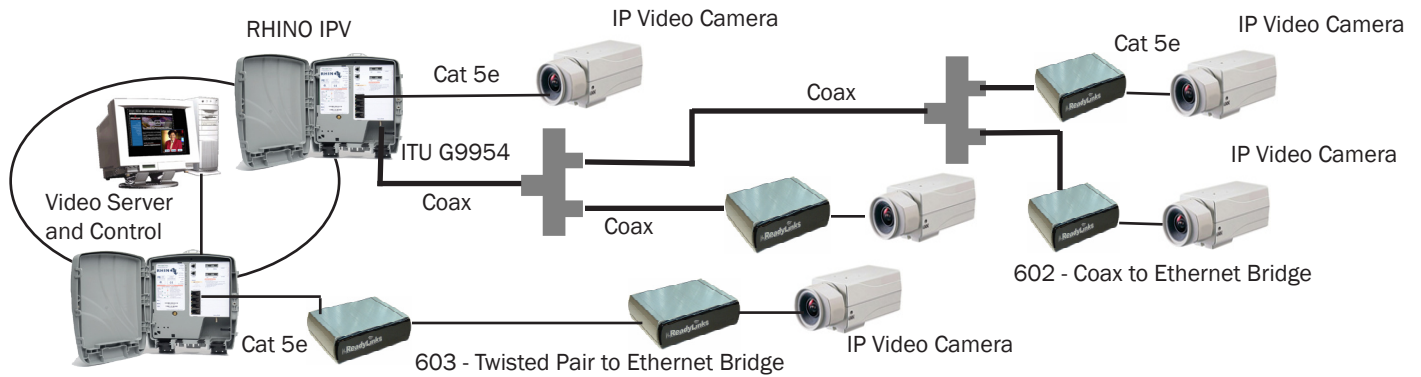
- Remote management of RHINO reduces maintenance tasks
- Auto provisioning via DHCP and active scripts
- Command Line Interface (CLI) with standard commands
- ReadyLinks BONUS Graphical User Interface

RHINO IPV Interfaces



RHINO IPV Network Example:

IP Video cameras can be connected to existing coax with IPcoax™ Bridges with active legacy analog cameras. The IP video over coax drop is connected to the RHINO IPV ITU G9954 port.



| Specifications | |
|-------------------------------------|--|
| Environmental Specifications | |
| Operating Temperature | - 40 to 85° C |
| Input Voltage, Power Consumption | 12 VDC, 8 Hour optional battery backup, 9 Watts |
| Humidity | 95% non-condensing |
| Certifications | UL, CE, FCC Part 15 Class B |
| WAN and Service Ports | |
| WAN/LAN Connectivity | 2 SFP sockets supporting 1Gbps symmetrical Ethernet Works with dual or single fiber, single mode or multi-mode, short, medium or long reach SFPs. Supports copper SFPs |
| Ethernet Service Ports | Four (4) 10/100BaseTX Ethernet full duplex RJ-45 full line rate 500 Mbps |
| Video | Video Prioritization |
| ITU-T G9954 for IP Video over Coax | One ITU G9954 Coax connection |
| Quality of Service | 802.1Q VLAN, 802.1p, (Voice, Video, Data and Management have their own priorities) QinQ tagging, up to 200 VLANs, Per port egress rate shaping and ingress rate limiting and policing |
| Standards Compliance | IEEE802.3, IEEE802.3U, IEEE802.x, IEEE802.1D IEEE802.1Q VLAN ID, RoHS, GR-49, ITU-T G9954 |
| Mechanical Specifications | |

Note: specifications are subject to change. V2.2