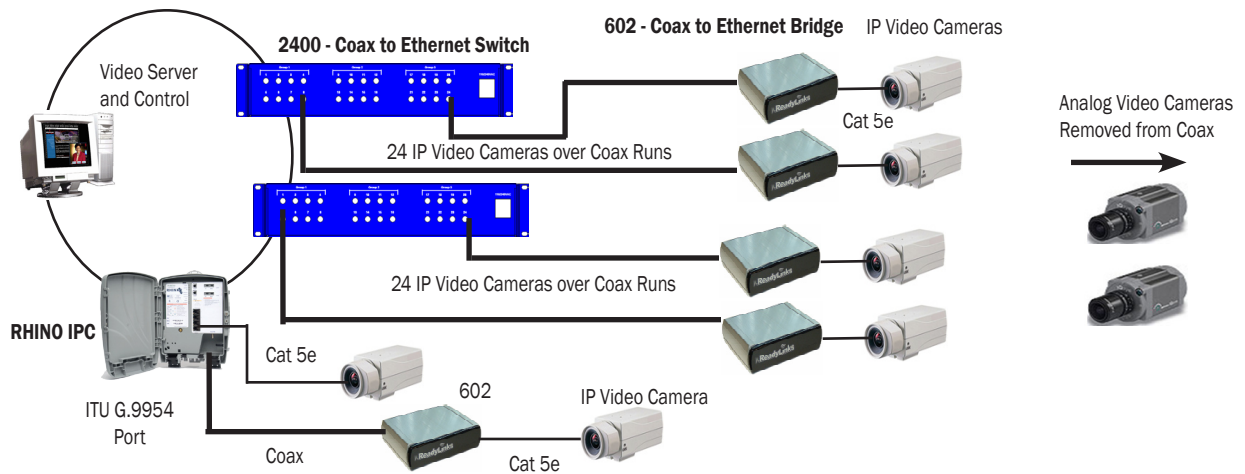


The Problem: The use of IP Video Cameras is growing exponentially and replacing analog cameras. It is very cost effective to use the existing coax and/or twisted pair that was connected to the analog camera. Many times new Cat5e/Cat6 can not be run to the IP camera. Also, many camera runs are beyond the 300 foot Cat5/6 limit.

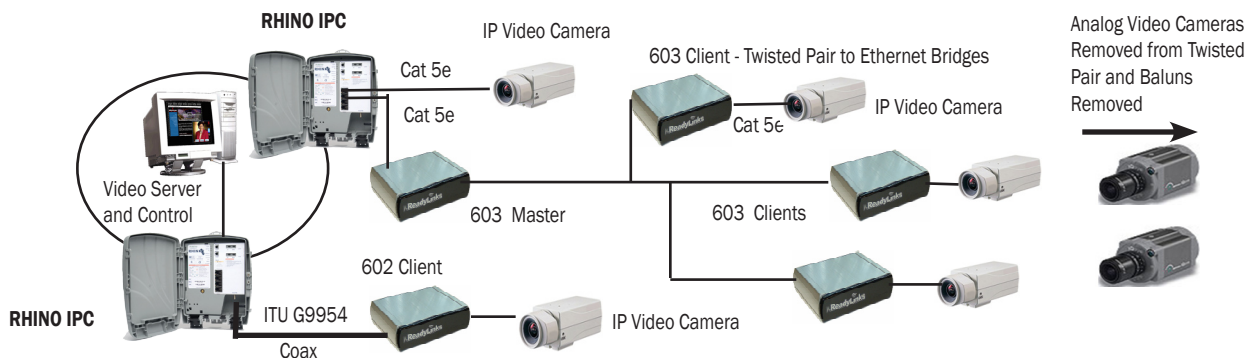
Solution: IP Video Deployment over Existing Coax

Existing analog video cameras are disconnected from the coax cables. A IPcoax 602 is connected to existing coax and the new IP video camera is plugged into the 602 Ethernet Port. Both units are powered from the existing 12VDC that powered the analog camera. The coax cables with the IP Video are directly connected to an IPcoax 2400 Gigabit Ethernet Aggregator or RHINO IPC GigE concentrator.



Solution: IP Video Deployment Over Existing Twisted Pair

A 603 is connected to existing Twisted pair and the IP Video Camera is plugged into the 603 Ethernet Port. The 603s are direct connect or muxed back to a Master which can be another 603 or a RHINO IPC.



IP Video using an Environmentally Hardened Self-Healing Gigabit Ethernet Ring

The RHINO IPC is an industrial temperature rated GigE transport platform with an integrated Ethernet switch. The service inputs to the IPC are four (4) 10/100 Ethernet ports and an ITU G.9954 Ethernet over coax port. The network ports support a self-healing resilient Gigabit Ethernet Ring and can be any distance range of single mode or multimode fiber or copper.