



Description

The **CHM22** is a unique unshielded twisted pair (UTP) transmission product designed to operate with TIA/EIA standards-based network cabling. The card plugs into and is powered through the CX452 modular card cage. The CHM22 is designed to accommodate four cameras. The primary function of the CHM22 is to provide a means of interfacing copper backbone cables to horizontal cable runs and inserting voltage to the individual camera and/or P/T/Z over the horizontal run. In addition, the CHM22 provides data distribution. Using a single standards-compliant 4-pair UTP Category 5 or better cable, video, data and power can be sent up to 100 meters to a fixed or P/T/Z camera.

Specifications

Size	1 horizontal card slot
Power Requirements	Supplied by PS115
Twisted Pair Connection (horizontal runs)	RJ45 connector
Video Backbone UTP Connections	RJ45 connectors providing balanced low voltage current loop (provided by CX452 card cage)
UTP Cable	Category 5 or better (22 AWG for P/T/Z)
Temperature Range	-10°C to +70°C
Humidity Range	0 to 98%, non-condensing
Shipping Weight	1 lb

Features

- Provides future expansion or features modification
- 4 port individual, self-resetting fused outputs
- One 4-pair Category 5 cable can be used for video, data and power
- Detection LED's for power and data
- Compatible with TIA/EIA 568A or 568B
- Selectable voltage 24/28VAC

Wire and Cable Recommendations

We recommend using unshielded twisted pair wiring. The systems will operate over wire 26 to 18 AWG but are optimized for 24 AWG. Category cables may be used. Individually shielded pairs should be avoided, as they drastically reduce the operating range of the systems. Multi-pair cable with an overall shield is acceptable. Video can be operated in the same communication cable coexistent with telephone, computer, control signals, power voltages and other video signals. While video may be routed through telephone punch down block terminals, any bridge-taps, also called T-taps and any resistive, capacitive or inductive devices **MUST BE** removed from the pair.

