

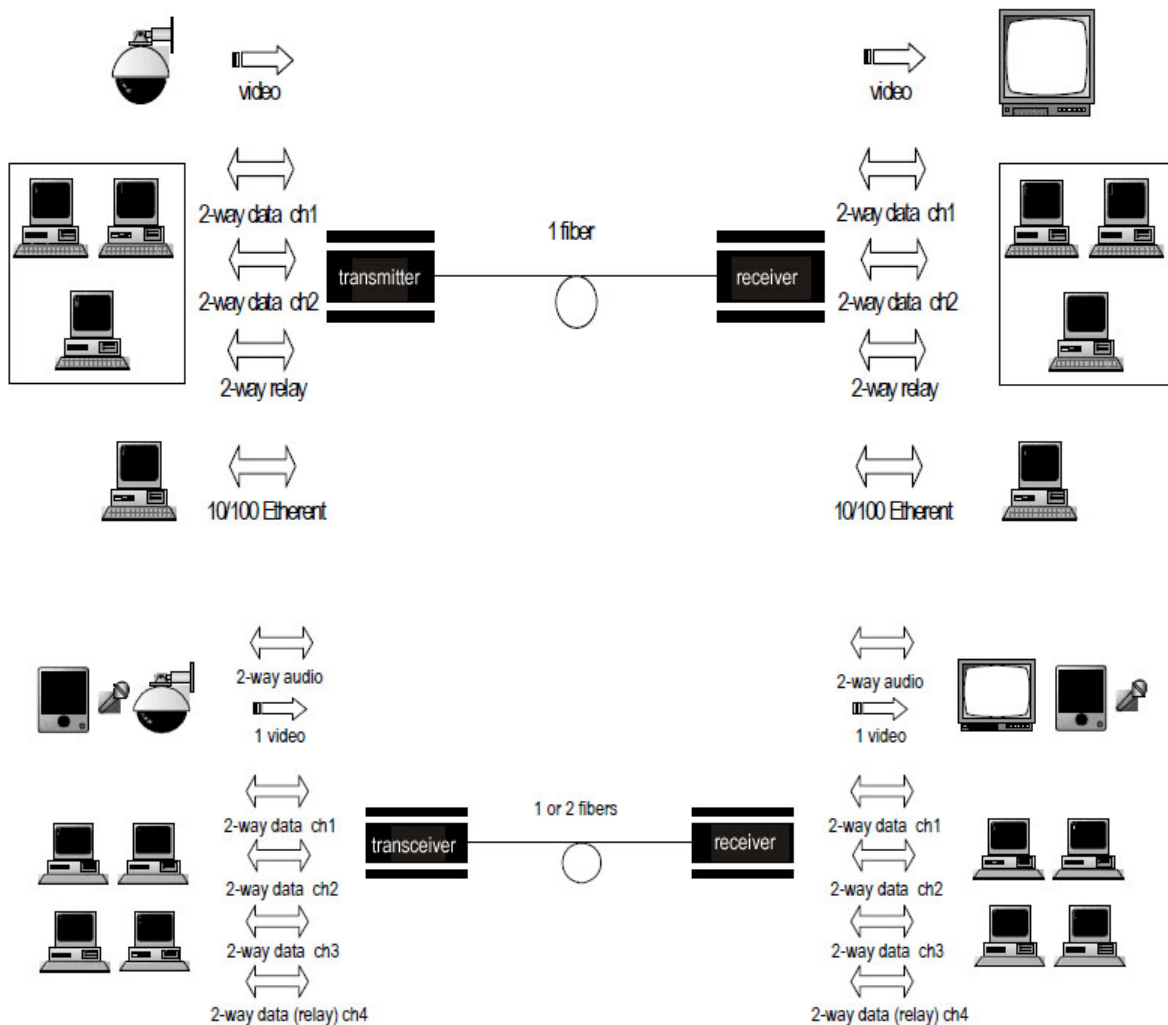
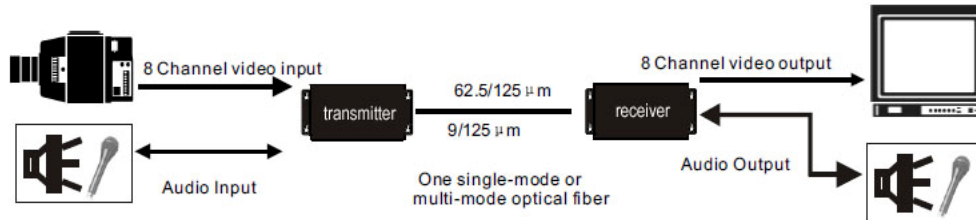


**TYPICAL APPLICATIONS** The following chart of typical applications includes the reasons, advantages and benefits when fiber optic systems are installed over copper twisted pair or coaxial systems.

End User	Application	Market	Reasons for Fiber	Benefits/Advantages
Bank Remote ATMs	Video Cameras	Security	Distance, immunity to lightning and corrosion by water	Integrity/quality of DVR Photo when used as Evidence
Hospital Parking Lots	Video Cameras, Access Control, Intercom, Gate Control	Security	Distance, fewer strands needed, smaller conduit	Multiplexing 4 video, duplex audio for (intercom), data (PTZ) on one fiber
Correctional Facilities and Casinos	Video Cameras, Access Control	Security	Immunity to EMI interference, fewer strands needed, smaller conduit	Multiplexing of 4 video and 2 duplex data on 1 fiber or up to 8 video on 1 fiber
Military Communications	Video, Audio	Video Conferencing	Secure, Tap- proof communications	Bi-directional video, audio, data signals on one fiber
Corporate, Universities and High Schools Campuses	Media Retrieval, Distance Learning, Information Broadcast	Broadcasting	Distance, immunity to EMI and ground loops, smaller diameter and lighter cable	Video Programming with Stereo Audio and Computer (source) control on one fiber
Department of Transportation	Traffic Surveillance, Speed Detectors, Variable Message Signs	Intelligent Transportation Systems (ITS)	Distance, immunity to lightning and corrosion by water	Real time, long distance (60 Km) transmission of video and up to 3 duplex data on 1 fiber



## Typical Application Design



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