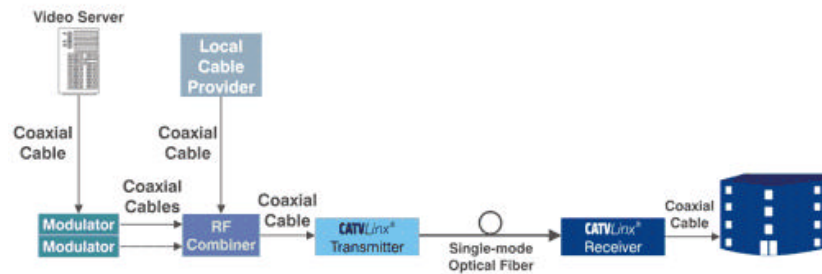


## Hybrid Fiber/Coax (HFC) Networks

As cable and telecommunications operators strive to introduce new services, they must find new ways to increase their network capacities at a reasonable cost. An excellent solution to this dilemma is the implementation of optoelectronics in HFC systems. Optoelectronics is having a tremendous impact on the evolution of the HFC networks required for high-volume, interactive multimedia traffic. The introduction of this technology enables networks originally designed for video services to provide reliable bandwidth for all types of interactive video, data, and voice services. The technology is not hampered by the same copper wire restrictions as ADSL. Traditional cable technology is a one-way broadcast system. The technical challenge is not in getting the throughput but in achieving two-way communication.



## PLANK Optical Building Blocks

Plank's latest generation of optoelectronics products provides a major increase in the capacity of hybrid fiber/coax (HFC) networks, allowing the delivery of new interactive video, data, and voice services in two-way. Based on producing a variety of Fiber Optical components, PLANK is now starting to provide optical communication modules for HFC system builders. PLANK optical communication building blocks were built in LGX and rackmount mechanism and providing Optical Coupling, Splitting, Termination, WDM, Fiber Cabling functions for an advanced HFC system.

## LGX Optical Modules

- PLANK is capable of providing full range of LGX modules and 19" 3U rackmount pedestal for all applications.
- The individual LGX modules could be 1X2, 1X3, 1X4, 1X8, and 1X16 specifications.
- The LGX Module could be installed Optical Coupler or Optical WDM that depends on system Design.
- All connectors are available to build in LGX Modules, including SC/FC/LC/MU.
- Request for detail specifications please contact with PLANK sales persons.



## Rackmount Modules (Industrial standard 19")

- In order to meet customer's requirements, PLANK is now providing integration services to install optical components into industrial standard 19" rackmount chassis.
- The specification is determined by customer's need, the chassis could be 1U, 2U or 3U that depends on component layout.
- The Optical Rackmount modules can be fit in standard Rackmount Cabinet and works together with Coax networking system at control center.
- All connectors are available to build in rackmount modules, including SC/FC/ST/LC/MU/MTRJ.
- Request for detail specifications please contact with PLANK sales persons.



## Optical Patch Cables

Optical Patch Cable so called fiber Patchcord is connector terminated both ends and ready for installation. Plank offer full-range of optic fiber Patch Cables at LC, MU, MTRJ, FC, SC, ST - PC, UPC or APC connectivity. All our patch products come with Low insertion loss, Low return loss, Environmentally stable and reliable, precise dimension and wide selection of ferrules.

