

CABLE AML

Leading the way in world-class wireless solutions



Data Links

The IP Link family of Microwave Radio Links provides IP connectivity between two points at distances of up to 100 km.

It is ideally suited for LAN or WLAN extensions, IP Backhaul, and other high-speed IP transport applications. Repeaters are available for multi-hop links for long-distance transport.

IPLINK — High Capacity Data Links

- High Speed Wireless LAN Extension
- From 10 Mbps to Gigabit capability
- Distances of up to 55 miles (90 km)
- Available in all licensed bands between 2 to 40 GHz

The Salinas IPLink Family:

- High Capacity IPLink-600
- High Power Salinas IPLINK-600UHP
- Ultra High Capacity Salinas IPLINK-1200
- Ultra High Capacity Salinas IPLINK-2400
- IP70-2.6 Ultra High Capacity E-Band Radio



Cable TV Links

Multichannel Video Links for Cable TV are high-capacity microwave links designed to enable Cable Television Systems (CATV) to transport all of the video signals from the Headend to a remote location.

Cable TV operators have long been using this cost-effective technology to expand their systems by bypassing natural or



man-made obstacles such as lakes, mountains, buildings, or areas without subscribers.

These links transport all TV “channels” whether they are FM audio channels, analog TV channels, or digital carriers (64 QAM or 256 QAM).

Cable AML video links can deliver CATV signals up to 60 Km with the same or better quality than fiber.

Multichannel video links for cable TV are also available with bi-directional capacity for systems that require a return path for transporting DOCSIS signals as well as other data carriers.

Unidirectional existing systems can be modified by adding a return path, which is achieved by adding a header and a receiver in return transmitter in the reception site.

Wireless Cable - MMDS

Cable AML is the leader in Wireless Cable (MMDS) equipment and Systems. We pioneered broadband MMDS systems which have become the industry's standard by promoting a modern system architecture based on a few simple principles:

Open Architecture — NO PROPRIETARY technology. All hardware and software meet applicable international standards (MPEG-2, DVB-C, Simulcrypt).

Modular Design — Modular blocks make it easy to expand coverage of remote areas.

Digital-Ready RF equipment — All Broadband MMDS equipment is Digital Ready.

Fast System Implementation — Cable AML Broadband MMDS systems are fabricated, installed and commissioned quickly and efficiently.

Custom Tailored Frequency Bands — Broadband MMDS systems are available outside the standard MMDS frequencies, anywhere between 2 to 28 GHz.

Broad Product Line — Cable AML's Broadband MMDS product line features the broadest selection of transmitters, repeaters and transceivers available in the market, from 10 to 1,000 Watts output power, with over 50 different models.



Wireless Internet & LTE Systems

Broadband Wireless Internet Systems (BWA) are two-way, wireless, high-capacity communication systems specifically designed to provide "last mile" services to large numbers of commercial and residential subscribers.



Cable AML offers Wireless Internet Systems in the unlicensed 5.8 GHz band as well as in licensed frequency bands from 2.5 to 30 GHz.

LTE Systems

- Dual sector / dual channel configuration yields 200 Mbps per sector
- Available in LTE Band 40 (2.3 GHz), Band 41 (2.5 GHz) and Band 42 (3.5 GHz)

- Up to Four Transmitters and Four Receivers in one unit

Multichannel Video Links for Cable TV

- One-Way links to deliver the complete cable headend signal to subscribers isolated from the main cable plant
- Two-Way Links for Cable TV—multi-channel links for Cable TV signals, analog/video + digital QAM downstream and DOCSIS up stream.

MULTILINK Studio-to-Transmitter Links

- Transport from 1 to 31 high-quality video or digital channels (180 TV programs)

TVLINK — Low Cost Links for Single Channel Video

- Transports from one to six analog channels
- Distances of up to 50 miles (80 km)

DTV LINKS — High Performance Digital TV Links

- Point-to-Point Links for Digital Video
- Distances of up to 50 miles (80 km)
- Designed to Transport One or Several ASI or SDI Data Streams
- Available at any frequency between 2 and 30 GHz

Digital Terrestrial Television



Cable AML offers a full range of digital TV transmitters with output power ranging from 30 watts to 5 kW and configurations ranging from single channel to multichannel.

Cable AML's transmitters are "dual" analog / digital: they can transmit in analog and digital formats to facilitate the transition from analog to digital.

All transmitters comply with the international norms and standards and are available in:

- ATSC
- DVB-T2
- & ISDB-T / TB formats



CABLE AML		Data Links ▾	Video Links ▾	Wireless Internet ▾	MMDS ▾	Cable TV Links ▾	Digital Terrestrial TV ▾
DTT							
	Output power: 14KW – PAL / NTSC 5 KW – DVB-T / T2 / ISDB-T 6.5 KW – ATSC Working band: III-IV-V Data Sheet: MODEL MOT 14000	Output power: 12KW – PAL / NTSC 4 Kw – DVB-T / T2 / ISDB-T 5 Kw – ATSC Working band: III-IV-V Data Sheet: MODEL MOT 12000	Output power: 7.5 KW – PAL / NTSC 2.7 KW – DVB-T / T2 / ISDB-T 3.5 KW – ATSC Working band: III-IV-V Data Sheet: MODEL MOT 7500	Output power: 5 KW – PAL / NTSC 2 KW – DVB-T / T2 / ISDB-T 2.6 KW – ATSC Working band: III-IV-V Data Sheet: MODEL MOT 5000			

Highlights (majority of transmitters)

- ✓ High efficiency wideband amplifiers technology.
- ✓ Embedded Re-Multiplexer/Layer Combiner/TS to BTS (188 to 204 byte) converter for ISDB-TB.
- ✓ Adaptive pre-correction.
- ✓ On-board high stability GPS receiver with battery.
- ✓ Flexible input interfaces.
- ✓ SNMP, web interface and touch screen display.

STL Studio to Transmitter Links

STL (Studio to Transmitter video links) are Point-to-Point microwave links to transport digital TV Programs (in ASI or IP formats).

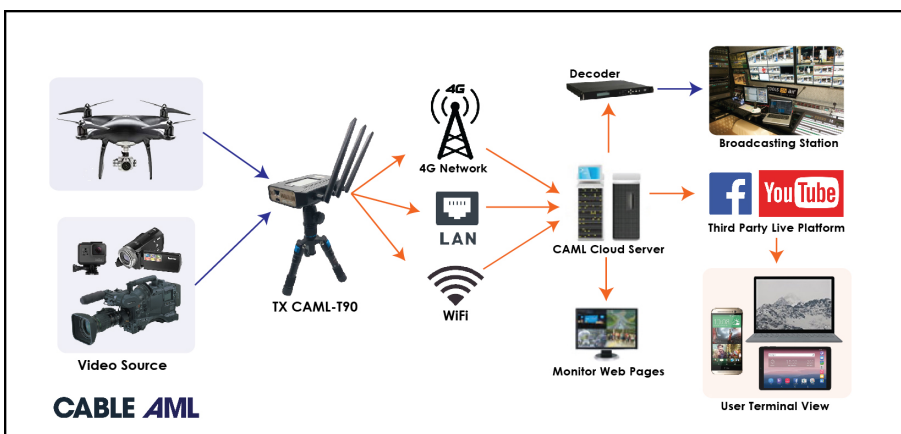
The links operate in the frequency bands from 2 to 30 GHz and can be used at line-of-sight distances of up to 50 miles (80 Kilometers), depending on options such as frequency band, output power, modulation format and antenna size.

The STL can transport from one to four ASI streams or its equivalent in IP format. Each ASI stream transports from one to six video programs simultaneously, SD or HD.

An optional ENCODER is used to generate ASI streams by multiplexing video from the Studio, which can be provided in SDI or HDMI format. The output of the link is ASI or IP to be fed directly to the TV transmitter.

Each link consists of an indoor unit connected via cable to an outdoor unit. The outdoor unit connects directly to the parabolic dish antenna. Frequency agility is available in most models.

The links are available in a variety of options, which include the operating frequency band, input signal format, type of modulation for transmission, number of TV programs, transmitter power, antenna size, and operating voltages.



CAML-T90 is a real-time video transmission terminal based on multi link aggregation technology and H.265 coding technology. It is equipped with 3 built-in 4G modules and a USB expansion interface, Support for external modules: 4G/WiFi, supporting WiFi and cable network access.

Highly reliable link aggregation technology can maximize the convergence of all network link bandwidth to transmit HD video in real time.

CABLE AML

World-class Wireless Solutions

- Digital Terrestrial Television Systems
- Wireless Internet Access
- Wireless Cable (MMDS)
- Point-to-point Microwave Links

Cable AML knows Broadband

Since 1992, Cable AML has been providing system design and integration services and manufacturing high-capacity broadband RF equipment for Cable, Wireless Cable, and Telecommunication customers worldwide.

World-Class Product Support

Behind each Cable AML product stands:

- In-depth technical experience
- Expert on-site installation assistance
- Comprehensive system operation and maintenance training
- Multilingual technical and customer support
- 24/7 availability

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