

Professional  
Display Solutions

22AV1970A/12

# DOCSIS 3.0 Cable Modem

## An easy way to high-performance Internet

The DOCSIS Cable Modem is the perfect choice for delivering high-speed Internet access to the TV without any major renovation. By reusing the existing RF Cable infrastructure to distribute IP network signals to the TV, the installation is quick, straight-forward and does not force you to shut down a part of your operations for a longer period. In combination with our Professional TV series, you instantly upgrade the room to the highest level of digital interaction.

## Invisible Design

This modem is a perfect companion for our Professional TV series. The dimensions are revolutionary miniaturized and the design allows for a completely integrated, invisible installation without adding thickness to the TV. Even the most fashionable rooms can get an upgrade without hassle.

## Freedom of Choice

The modem can be fitted on any size of our Professional TV series, as small as 32", or up to 65" if you like to. You don't even need to foresee an extra power wall outlet: simply power the modem from the TV and you're done.



## Key Features

- DOCSIS/EuroDOCSIS 3.0 compliant
- 8x4 channel bonding
- Full-featured, high bandwidth, compact economical cable modem
- Extensive operator control via configuration file and SNMP
- Well-defined LEDs clearly display device and network status

## Protocol Support

- DOCSIS/EuroDOCSIS 1.1/2.0/3.0
- SNMP v1, v2C, v3
- DHCP, TFTP and ToD clients (IPv4/IPv6)

## Connectivity

- RF F-type female 75Ω connector
- RJ-45 Ethernet port 10/100/1000 Mbps (Auto-MDI/MDIX)

## Management

- Web-based GUI control configuration and management
- Dual-color LEDs clearly display network status and activity
- Power on self diagnostic
- MIB II/MCNS MIB
- Proprietary MIBs for extended support

## Reception-Demodulation

- Demodulation: 64QAM, 256QAM
- Data Rate: Up to 320 Mbps with 8 bonded downstream channels (DOCSIS)
- Frequency (edge-to-edge): 88 ~ 1002 MHz (DOCSIS)
- Channel Bandwidth: 6 MHz (DOCSIS)
- Signal Level: -15 dBmV to 15 dBmV
- Input return loss: >6dB

## Transmitter-Modulation

- Modulation: QPSK, 8QAM, 16QAM, 32QAM, 64QAM, and 128QAM (SCDMA only)
- Data rate up to 120 Mbps with 4 upstream channel bonding
- Frequency: 5 ~ 42 MHz (DOCSIS)
- Output return loss: >6dB

## Mechanical

- 5 status LEDs (Power, DS, US, Status, LAN)
- Factory default reset button
- Dimensions: 109mm(W) x 88mm(H) x 27mm(D)
- Weight: 130g

## Environmental

- Power Input DC: DC 12V/1A
- Power Consumption: 4W (typical), 6W (max.)
- Operating Temperature: 32°F (0°C) to 104°F (40°C)
- Operating Humidity: 10% ~ 90% (Non- condensing)
- Storage Temperature: -40°F (-40°C) to 176°F (80°C)
- Surge Protection:
  - RF input sustains at least 6KV
  - Ethernet RJ-45 sustains at least 1.5KV

## Compliance Certificates

- RoHS Compliant
- FCC, UL

## In the Box

- Mounting kit for 5011/5014/6014U series
- Ethernet cable
- DC/DC power cable