AMT
advanced media technologies®

HDb2380

8 CHANNEL 480i COMPOSITE VIDEO DUAL QAM

8 Channels of Digital SD in a 1RU Chassis

...at a cost comparable to analog modulation

NEW!

Simple. Affordable. Reliable

AMT
advanced media technologies®

Upgrade all your analog head-ends to digital

- Far better picture quality—today's TVs want digital!
- Signal quality—won't degrade like analog
- Simple configuration—add or upgrade channels in minutes
- Clear QAM broadcast—works with all standard HDTVs

...All at a cost comparable to today's analog!

Convert all your video sources into digital cable channels.

Broadcast over coax to unlimited displays.

Each HDb2380 is directly connected to 8 composite video sources and converts each source into a digital cable channel. Hundreds of channels can coexist simultaneously on the same coax cable, and are simply viewed by using the tuner built into every HDTV!
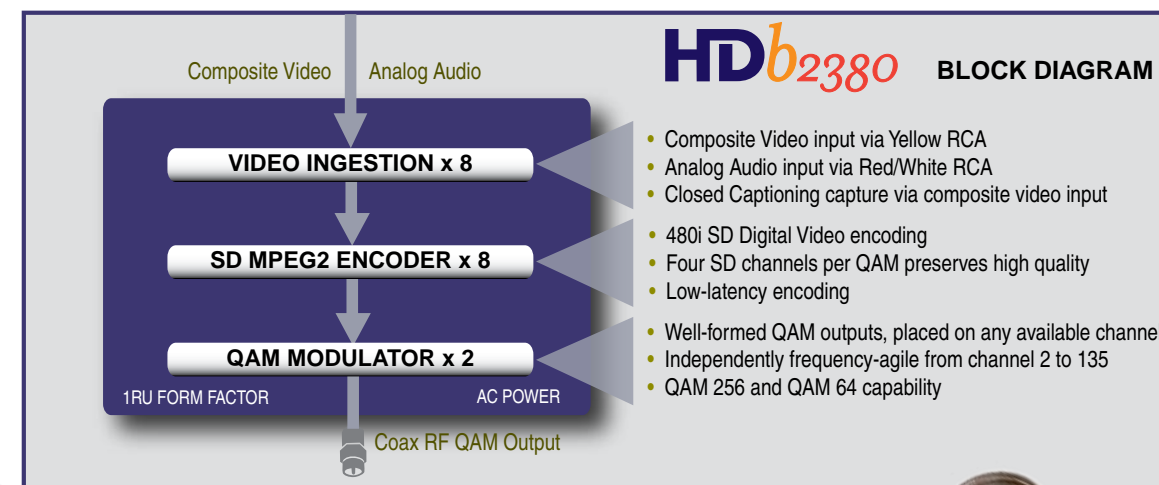
- **Easy installation** – simply unplug your old analog modulator and plug those same wires into your new digital modulator, and go.

- **Direct connection to satellite or cable receivers** – redistribute high-quality content on-premise or campus-wide.

- **Composite Video and Analog Audio** – allows for simple connections.

- **Coax wiring** – easily integrate and balance into new or existing MATV/SMATV RF distribution systems to upgrade to digital video.

- **Simple configuration and remote management** – Front panel LCD for easy channel viewing and LAN port for advanced and remote configuration.

- **Built to last** – steel enclosure, rack mounting, robust internal robust power supply, and fan-cooled.

HDb2380 Modulators ...

- **Each unit broadcasts 8 video sources in 1RU** – saving you rack space and money.

- **8 channels fit on 2 RF frequencies** – making your coax infrastructure even more capable of delivering all your channels.

- **Digital Quality at 480i** – SD sources deliver stunning performance and full digital quality while respecting content broadcast requirements.

- **Analog Audio** – internally encoded and broadcast as Dolby Digital AC-3®.

- **Frequency-agile** – easily select broadcast channels independently.

- **Integrated Closed Caption support** – required for ADA compliance in many applications.

HDb2380 BLOCK DIAGRAM

Composite Video   Analog Audio

VIDEO INGESTION x 8

SD MPEG2 ENCODER x 8

QAM MODULATOR x 2

1RU FORM FACTOR   AC POWER

Coax RF QAM Output

- Composite Video input via Yellow RCA
- Analog Audio input via Red/White RCA
- Closed Captioning capture via composite video input

- 480i SD Digital Video encoding
- Four SD channels per QAM preserves high quality
- Low-latency encoding

- Well-formed QAM outputs, placed on any available channels
- Independently frequency-agile from channel 2 to 135
- QAM 256 and QAM 64 capability

ZeeVee's Top Ten Revelations

1) Coaxial wiring can carry hundreds of unique digital SD and HD channels simultaneously.

2) Each of your video sources will become a unique digital cable channel.

3) Use off-the-shelf HDTVs without needing anything additional at each TV.
   - Just tune in the channel that you want.

4) Serve an unlimited number of TVs with the same technology the cable company uses to light up an entire city.

5) Merge your channel onto an existing cable lineup—simply wire in a $5 splitter turned backwards.

6) Coax cable is inexpensive – about 6 cents per foot.
   - Coax wiring is often already in place, making it … *free.*

7) Coax installation requires simple tools and no special skills.
   - Home-run wiring is not required, significantly simplifies deployment.

8) To add your new channel:
   - Connect your video source to your HDb2380 modulator.
   - Connect the output of the modulator to the existing cable.
   - Done! You now have a new channel.

9) To add a TV:
   - Cut the coax near the new HDTV.
   - Add a $5 splitter and a piece of coax.
   - You're done!

10) For big systems, a $50 off-the-shelf cable amplifier will boost the signal of all channels to every display.

HD*b2380*

8 Channel 480i
Composite Video
Dual QAM

NEW!

❶ Two independent, frequency-agile QAM RF CATV output channels

❷ Analog Audio inputs x8

❸ Composite Video inputs x8

❹ 10/100 LAN Port for configuration and remote management

❺ 10/100 LAN Port pass-through reduces wiring costs and simplifies deployment

❻ AC Power

❼ Color LCD for status and configuration

❽ Front Panel Control/Select Buttons

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