

# QIP2500

## Hybrid QAM/IP HD Set-Top Terminal

### SPECIFICATION SHEET



#### FEATURES

- 64/256 QAM tuner supports standard MPEG-2 formats
- Embedded IP networking over coaxial cable using MoCA technology
- Two-way IP data communication
- Industry-standard video, audio, and data outputs (for details, see "Specifications")
- Dolby® 5.1 digital audio
- Decrypts CSA or DES
- MediaCipher® access control
- Macrovision® copy protection
- Front-panel LED display with navigation buttons
- Digital on-screen diagnostics
- USB1.1, IR Blaster, Smart Card, and data ports
- Switched accessory outlet

#### BENEFITS

- Superior all-digital video and sound quality for a true home theater experience
- Decodes standard-definition digital programs
- Processes QAM and IP video transports
- Embedded IP networking supports high bandwidth data applications
- Can operate as part of a multi-room DVR home network via MoCA
- Supports typical digital TV functionality, including interactive program guides (IPG), video on demand (VoD), and commercial-free, CD-quality music



The Motorola QIP2500 decodes standard digital MPEG-2 video formats transmitted via QAM or IP. It supports embedded IP networking using Multimedia Over Coax Alliance (MoCA) technology. The resulting IP connectivity enables communication with other set-tops throughout the home and VoD over IP.

## SPECIFICATIONS

### Input frequency

|             |                  |
|-------------|------------------|
| Video (QAM) | 54 to 860 MHz    |
| IP          | 1125 to 1425 MHz |

### Home Network

MoCA-compliant

### Outputs

|       |  |
|-------|--|
| Video | S-Video, composite video, channel 3 and 4 RF remod |
| Audio | Left/right baseband, optical and coaxial S/PDIF    |

### Memory

|       |                        |
|-------|------------------------|
| DRAM  | 32 MB standard unified |
| Flash | 8 MB                   |
| NVMEM | 256 KB                 |

### Video

MPEG-2

### Video resolution

480i

### Graphic resolution

Up to 704 x 480

### Colors

16 bit standard

### Digital input level

|         |                 |
|---------|-----------------|
| 64 QAM  | -15 to +15 dBmV |
| 256 QAM | -12 to +15 dBmV |

### RF Data carrier

QPSK-modulated

|           |                              |
|-----------|------------------------------|
| Frequency | Agile receiver 70 to 130 MHz |
| Bandwidth | 1.5 MHz                      |
| Level     | -15 to +15 dBmV              |

### IP Data Carrier

MoCA

|           |                  |
|-----------|------------------|
| Frequency | 1125 to 1425 MHz |
| Bandwidth | 50 MHz           |
| Level     | 0 dBm            |

### Operating temperature

15 to 40 °C (59 to 104 °F)

### Operating humidity

5 to 95% (noncondensing)

### AC voltage

95 to 135 VAC, 60 Hz

### Power dissipation

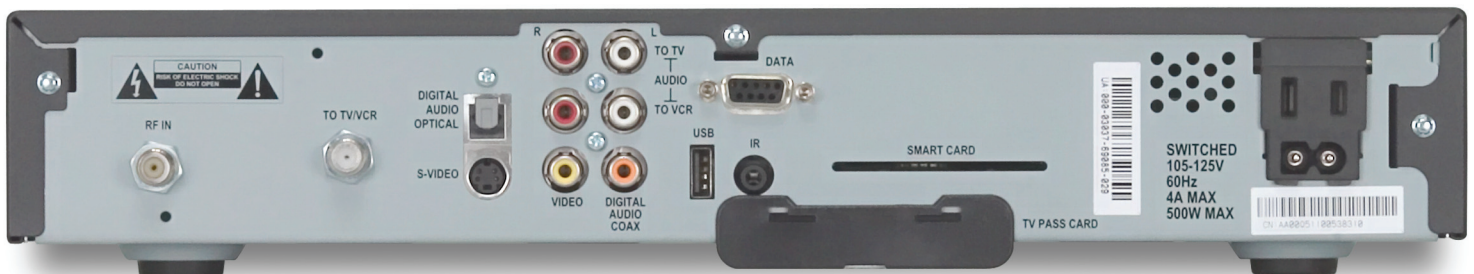
15 W nominal at 115 VAC

### Size

14.72 in. (37.4 cm) W, 10.00 in. (25.4 cm) D, 2.75 in. (6.9 cm) H

### Weight

Approximately 5.5 lbs.



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