

# AMINO AMULET 656

**4K UHD RECORDING DEVICE**

## FEATURES

- Reduce required bandwidth by up to 50% compared to H.264
- Superior 4K Ultra-HD resolution, 4x greater than 1080p for best viewing experience
- Increases recording capability up to 150 hours HD quality video; WHDVR; Fusion Home
- Reduces potential user error and cost of adding SD card and PLTV
- Dual 720p30 transcoding to access and view content on additional video devices such as tablets and phones
- Easily integrates with existing inhome networks and broadband services
- Energy efficient with DeepSleep™ technology for reducing power consumption up to 99% in standby mode
- Up to 150 hours of HD record capability
- Read-to-Deploy IPTV Solution
- Supports legacy televisions
- The Amulet 6 series provides multiple distribution technologies meeting user needs without having to increase deployment costs, by allowing use of your existing in-home wiring with MoCA or to go wireless with Ultra-HD video-grade Wi-Fi.

## TECHNICAL SPECIFICATIONS

### VIDEO FORMATS

- VC-1 Advanced Profile @ Level 3
- AVC/H.264 High Profile @ Level 4.2
- H.265 High Efficiency Video Coding (HEVC)
  - Main Profile and Main 10 Profile
- MPEG-2 Main Profile @ High Level
- MPEG-4 Part 2 Advanced Simple Profile
- DivX versions 3.11, 4.1, 5.X, and 6.X
- XVID
- MPEG-1/H.261/H.263
- AVS decode with support for AVS1-P2 Jizhaun Profile @ Level 6.0
- MPEG still picture decode
- MVC
- VP9 (for YouTube)



### VIDEO OUTPUTS

- NTSC-M, NTSC-J, PAL-BDGHIN, PAL-M, PAL-Nc, SECAM analog outputs
- 480i/480p/576i/576p/720p/1080i/1080p/4K-2Kp60 output formats
- Component RGB or YPbPr output
- DCS support
- Rovi 7.1 support
- HDMI 2.0 with 3D format support



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## TECHNICAL SPECIFICATIONS

### AUDIO FORMATS

- AAC LC, AAC LC+SBR Level 2, AAC HE Level 2, AAC HE Level 4
- AC4
- Dolby Digital, Dolby Digital Plus
- MPEG I Layer 1,2
- MPEG I Layer 3 (MP3) encode/decode
- Windows® Media Audio (WMA)
- WMA pro
- AAC HE 5.1 decode plus DTS 5.1 encode SPDIF output
- AAC HE 5.1 decode plus AC3 5.1 encode SPDIF output

### SECURITY

- AES, 1DES, 3DES, CPRM, CPPM, CSS, and DTCP copy protection algorithms and standards
- VB, ARIB, and DC2-compliant transport demux with 1DES, 3DES, DVB, Multi2, and AES descramblers

### TUNERS (DVB-T2)

- Performance exceeding NorDig Unified 2.2 and D-Book 7
- Fully compliant with ETSI EN 300 744 (DVB-T) and ETSI EN 302 755 (DVB-T2)
- 1.7, 5, 6, 7, and 8 MHz channels ITU J.83 Annex
- A/B/C compatible FEC decoder with RS erasure

### NETWORKING OPTIONS

- Quantenna Wireless 802.11ac (5.4 GHz) 4x4 Wi-Fi
- Real-time Digital Transmit Beam Forming (MIMO)
- Baseband 4T4R, up to 4 spatial streams
- Client-to-client direct connection (TDLS)
- Digital beam forming for up to 4.5db gain
- Standards: 802.11ac, 802.11a, 802.11h, 802.11n, 802.11e, 802.11i
- Wi-Fi Compliant: WMM, WMM-PS, WPA, WPA2, WPS
- Encryption: AES, TKIP, WEP64/128
- RF: 4.9GHz - 5.8GHz
- Modulations: BPSK, QPSK, 16-QAM, 64 QAM, 256 QAM
- FEC: 1/2, 2/3, 3/4, 5/6
- Max PHY Rate: 1.7 Gbps
- MoCA 2.0
- Bluetooth/BLE 4.0

### SOFTWARE

- Support for Ericsson Mediaroom
- Advanced Diagnostics Capable



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## **TECHNICAL SPECIFICATIONS**

### **BACK PANEL**

- RF Output and Antenna Input (optional)
- Optical digital audio
- USB 3.0 Host Type A
- IR Extender port
- Mini DIN connector for composite/component video and stereo audio fan-out cable (included)
- HDMI 2.0
- RJ-45 10/100/1000 Base-T Ethernet with integrated status LEDs
- DC power

### **CPU MEMORY**

- Broadcom BCM7251S or Broadcom BCM 7438S (MoCA option)
- 12K DMIPS, dual-core ARM-v7 CPU
- 1GB DDR3-1866
- 256MB FLASH

### **MECHANICAL**

- 11 x 6.7 x 1.4 in.
- 40-95°F (5-35°C) operating temperature
- 30-95% relative humidity

### **ENERGY MANAGEMENT**

- Power 7W maximum of 90-264VAC, 48-63Hz
- ENERGY STAR compliant

### **TYPE APPROVALS**

- FCC Part 15, CEA-60065