



## Hawaiian Broadcasters Deliver Robust Digital TV Service, Protect the Environment Using Harmonic's Solutions

April 21, 2009

### - Maui LLC Uses Harmonic's Stream Processing and Network Management Technologies to Enable Environmentally Safe, Two-Way Digital Transmission on Hawaiian Islands -

LAS VEGAS--(BUSINESS WIRE)--Apr. 21, 2009-- Harmonic Inc. (NASDAQ:HLIT) today announced that Maui LLC—a consortium of six broadcast stations headquartered in Oahu formed to provide efficient TV signal distribution to subscribers—has deployed Harmonic's ProStream™ 1000 stream processing solutions and NMX Digital Service Manager™ for a substantial network rebuild. The upgrade enables the participating broadcast television stations to transmit broadcast digital signals from Oahu to Maui and the Big Island of Hawaii over a fiber-based high-speed data service provided by Time Warner Cable Business Class Services. Harmonic's advanced, high-performance system is part of the solution that replaces Maui LLC's microwave and off-air reception network on Mount Haleakala. The system needed to be upgraded due to TV transmissions that interfered with the astronomy community and equipment that threatened the surrounding habitat of indigenous bird species, including the endangered Dark Rump Petrel seabird.

Harmonic's ProStream 1000 is an integral component of Maui LLC's new video delivery chain. The highly advanced system converts ATSC-DTV ASI transport streams from each of the Oahu stations into IP signals; facilitates the transport of the IP streams to Maui and Hawaii via the resilient 10 Gigabit fiber oceanic CWDM link; then re-converts the streams to ASI for transmission to subscribers. The ProStream 1000 technology is able to encapsulate all traffic using Forward Error Correction (FEC) to provide a very high level of service quality. The entire transport system design is calculated to be less than one errored second per year and provides a return path for event backhaul and news bureau feeds that didn't exist before the rebuild.

"Harmonic delivered a superior solution that was quickly implemented, provided several operational and performance advantages, and enabled us to discontinue our Mount Haleakala operations and protect our environment," said Rodney Shimabukuro, Lead Engineer, Maui LLC. "Maui LLC's new infrastructure seamlessly supports our current digital transmission requirements and provides a nearly inexhaustible two-way service that can be easily scaled to meet our future needs."

"Maui LLC has rebuilt its transmission network, investing in world-class infrastructure of the future," said Joel Wilhite, Broadcast Solutions Manager for Harmonic Inc. "Time Warner Cable Business Class Services' fiber optic submarine cable supports a high-speed IP link spanning several hundred miles, and Harmonic's digital video technologies enable Maui LLC to optimize signal transport over this link. We are pleased to provide Maui LLC an environmentally safe alternative transmission solution that avoids sensitive ecosystems while delivering substantial performance and operations benefits."

KITV-TV, the ABC affiliate on Oahu, chairs the Maui LLC consortium. KITV-TV and other Maui LLC members utilize Harmonic's digital video compression technologies in their headends.

Harmonic's industry leading digital video technologies, including the ProStream 1000 and NMX Digital Service Manager, will be on display at NAB 2009, Harmonic booth #SU7209, April 20 – April 23, in Las Vegas.

#### About Harmonic Inc.

Harmonic Inc. is a leading provider of versatile and high performance video solutions that enable service providers to efficiently deliver the next generation of broadcast and on-demand services including high definition, video-on-demand, network personal video recording and time-shifted TV. Cable, satellite, broadcast and telecom service providers can increase revenues and lower operational expenditures by using Harmonic's digital video, broadband optical access and software solutions to offer consumers the compelling and personalized viewing experience that is driving the business models of the future.

Harmonic (NASDAQ:HLIT) is headquartered in Sunnyvale, California with R&D, sales and system integration centers worldwide. The Company's customers, including many of the world's largest communications providers, deliver services in virtually every country. Visit [www.harmonicinc.com](http://www.harmonicinc.com) for more information.

*This press release may contain forward-looking statements within the meaning of Section 27(A) of the Securities Act of 1933 and Section 21(E) of the Securities Exchange Act of 1934, including statements related to: service that can be easily scaled to meet future needs, and investing in world-class infrastructure of the future.*

*Our expectations and beliefs regarding the capabilities of Harmonic's stream processing and network management technologies and the anticipated benefits for Maui LLC may not materialize, and actual results could differ materially from those projected. The forward-looking statements contained in this press release are also subject to other risks and uncertainties, including those more fully described in Harmonic's filings with the Securities and Exchange Commission including its recent Reports filed on Form 10-K and Form 10-Q. Harmonic does not undertake to update any forward-looking statements.*

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