

The event will take place in Denver, Colorado (USA)

## Televes will present new H30D3 meter and new versions of Clear QAM encoders at SCTE's CableTEC 2014

**Santiago de Compostela, 16<sup>th</sup> September de septiembre de 2014.** Televes will be showing new product releases at SCTE Cable-Tec ([booth 330](#)) in Denver, Colorado (USA) from the 23rd through the 25th of September. The introduction of the **DOCSIS 3.0** version of the popular H30 meter and an HDMI/Component version of the Clear QAM encoders will be the main focus. The company will also display its full line of RFoG gear and industry-leading terrestrial and satellite antennas and distribution equipment.

The new **H30D3** adds a DOCSIS 3.0 modem, enabling the view of up to eight downstream and four upstream channels at a glance, step-by-step connection status, MAC address cloning, and even a bridge mode that turns the meter into an independent modem. Steve Strong, COO of Televes USA, said "Our new H30D3 is a perfect solution for small to mid-sized MSO offering a perfect balance of price, features and remote control."

The Dual HDMI/Component version of the **Clear QAM** encoders will encode two video inputs up to 1080p on a single RF channel, up to 1024QAM Annex A or B in an extended frequency range of 5 to 1002 MHz. The component-only version will do the same while the composite version takes four SD inputs and outputs a single CATV channel with the same specification as its HD siblings. All versions provide real time Dolby Digital from analog or digital inputs, closed captioning, EAS support, and include ASI input and output for easy EAS signal management, with the Televes integrated RF combiner. All versions encode both MPEG-2 and H.264. To ensure full security, Televes has integrated Civolution's forensic watermarking technology NexGuard. All of this with presented in the same format of the **T.OX** family of products, which permits stand-alone or integration in a unified video headend.

The entire line of Clear QAM Encoders, supports all 3 ATSC A65 defined Terrestrial and Cable Virtual Channel tables making for a perfect solution for residential or commercial installations. The video and RF quality as well as manufacturing consistency, rugged construction and extensive features make these professional products deployable in any commercial headend, or in-home theater application.

Steve Strong added, "Our professional grade line of Clear QAM Encoders enables any MSO to comfortably inject an unencrypted channel on their plant at the edge or on the entire system, while knowing the content is protected with Civolution's renowned invisible watermarking, and providing their customers with top quality video and the spectrum savings expected in today's growing channel lineups."

### What is watermarking?

A digital watermark is a marker embedded in the image data. It is typically used to identify ownership of the copyright of such signal. Watermarking is the process of hiding digital information to verify the authenticity or integrity of the signal or to show the identity of its owners. It is prominently used for

tracing copyright infringements and for banknote authentication. Like traditional watermarks, digital watermarks are only perceptible under certain conditions, for example using some algorithm (watermarking detection), and imperceptible anytime else for the naked eye. Since a digital copy of data is the same as the original, digital watermarking is a passive protection tool. It just marks data, but does not degrade it nor controls access to the data.

In this case, Televés encoders hide the serial number of the set-top box making it invisible to the human eye, but unalterable to any recoding or retransmitting from other video devices such as a camcorder. In case unauthorized publications, the Televés encoder recuperates the STB serial number to identify the source of the coded image.

### About Televés

Televés is a leading global company focusing on the design, development and manufacture of systems and products associated with telecommunications services for the home, and specialising in reception and broadcast of television signals. The company's headquarters are located in Santiago de Compostela (Spain), where the company was founded in 1958. At present, Televés is the head of a Corporation formed by 20 subsidiaries (technological, industrial or commercial), near 700 employees and 53 invention patents.

Televés has ten international subsidiaries in Portugal, France, UK, Italy, Germany, Poland, Russia, UAE, China and USA, and distributes its products to more than one hundred countries on five continents through an extensive network of distributors. Throughout its 55 years of experience, Televés has launched more than 1,500 different products, an achievement that is understood from the company's real **passion for manufacturing**. The company produces at its own facilities to ensure the highest quality. To achieve this, it has been a pioneer in the implementation of automated robotised lines and has its own testing and quality control laboratories. Therefore, the brand's products proudly display the **"European Technology Made in Europe"** stamp.



Televés' H30D3 field meter