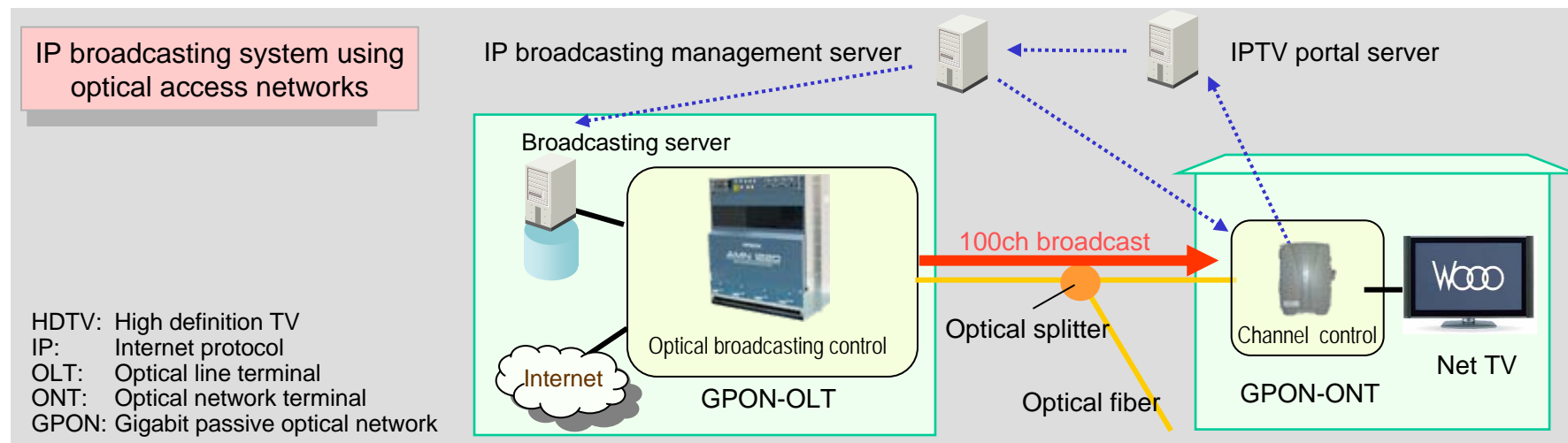


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Next-generation optical network technology for simultaneous broadcasting of 100ch of HDTV - Platform technology for the digital convergence era using gigabit optical access networks -



The Central Research Laboratory of Hitachi, Ltd. has developed next generation optical network technology using gigabit level transmission speed GPON to enable the simultaneous broadcasting of 100 channels of HDTV. This technology will be a platform in next-generation optical network technology, enabling users to enjoy the conveniences available in the digital convergence era. Until now, it was only possible to provide a few channels of high definition (HD) video to each user due to the large data volume. This technology will enable the simultaneous broadcasting of 100 channels of HDTV to multiple user homes. By employing this technology, for example, individual family members will be able to view several HD videos at once, making it possible to search for images, or conduct on-line shopping based on HD video of products.