

CP PLUS Introduces Instastream for Intelligent & Efficient Video Compression

CP PLUS, as a brand, is dedicated to continuously offering more and more new and proficient solutions that cater to all the varied security requirements of millions of users across the country. Working to spread the sense of security to every corner of India, CP PLUS is an instigator for introducing new technologies to the Indian market. Being a well-trusted brand with quite a deep understanding and know-how of the security and surveillance needs of the rapidly changing time, CP PLUS stands un-rivaled when it comes to conceptualizing customized and best-suited solutions for security troubles of corporates and public enterprises as well as educational institutes and entire smart cities.

In addition to its vast array of solutions and services offered, CP PLUS has now launched 2 compression technologies, Instastream and AI-Instastream. The Instastream technology has been developed with the latest and most efficient innovation among the standard video compression designs. Smart encoding algorithms developed by CP PLUS help this Instastream in saving 70% more bandwidth than H.265 along with making it more beneficial for minimizing bandwidth and storage costs. It enhances video coding efficiency while providing high resolution.

With the integration of Artificial Intelligence in video compression technology, CP PLUS has developed the revolutionary AI-Instastream, the framework of which consists of an Analysis Engine, Bit-Allocation Engine, and Bitstream Compression Engine running smart encoding algorithms to deliver huge savings on bandwidth by focusing more on human vehicular shapes and capturing the video feed with great detail, while reducing storage costs and enhancing resolution. It ensures the quality of the video feed and, at the same time, saves huge amounts of overall bitrates.

The wide range of comprehensive solutions and products by CP PLUS are monitoring millions of locations across the globe in diverse geographies, from highly sensitive defence locations, government buildings, vital infrastructures of transportation, hotels, hospitals, educational institutions, shopping malls to homes, and even streets with a highly satisfied customer base. Subsequently, CP PLUS has secured more than 200 railway stations, 42 airports, and many police stations, courts, and monuments across the country. Yet, to cover the entire nation under the protective shield of effective surveillance by CP PLUS, we have been continuously expanding both production facilities and the capacity.

“CP PLUS has been a pioneer Indian brand with a state-of-the-art manufacturing facility at Tirupati, Andhra Pradesh. By the middle of this year, the CP PLUS manufacturing facility will become the largest the world anywhere outside of China. In line with the PM’s Vision of Atmanirbhar Bharat under the Make-in-India initiative, we have achieved absolute localization and indigenization of our production process and in just a short span of time, we have become able to produce 10L units of surveillance devices every month.

We are determined to further augment our capabilities and become many times larger than the current size to produce 60L units per month and in the coming times, backed by our R&D proficiency, to make our brand more and more Atmanirbhar in order to accomplish the PM's dream and to make India truly self-reliant," adds Mr. Aditya Khemka, Managing Director of CP PLUS (Aditya Group).

CP PLUS is the global leader in the advanced security & surveillance industry, driven by the vision & commitment to make surveillance simple & affordable. Today, CP PLUS' wide portfolio of products & solutions is monitoring & securing millions of locations across the globe, ranging from highly sensitive defence locations to vital infrastructures, with a highly satisfied customer base.