

CP PLUS Unveils Ingenious & Inventive CTC Technology: Ushering in a New Era of Cyber-Secure Surveillance



[CP PLUS](#), India's leading security and surveillance brand, has officially launched its groundbreaking CTC Technology - CP PLUS Trusted Core Technology. Engineered with precision, foresight, and the promise of secure innovation, this ingenious and inventive solution addresses the growing global concern over data privacy and cybersecurity in modern surveillance systems.

As the world advances toward hyper-connected environments, with smart homes, cloud platforms, and IoT-based systems becoming the norm, the vulnerabilities that come along with these conveniences have increased manifold. Recognizing this crucial shift, CP PLUS has developed CTC Technology as the heart of reliable, resilient, and secure surveillance: designed to fortify every layer of the surveillance ecosystem.

CTC Technology is a multi-layered security architecture that brings together the best of cybersecurity practices and technological intelligence. It is not just an enhancement; it is a complete redefinition of how surveillance should function in today's digital landscape - more intelligent, more secure, and more reliable than ever before.

"At its core, CTC stands for CP PLUS Trusted Core Technology, a proprietary advancement developed with one clear mission: to protect surveillance systems from modern cyber threats that are constantly evolving. It safeguards users by addressing all possible touchpoints of vulnerability, including data access, device firmware, system operations, network

communication, and even the origin of hardware components. It ensures that every camera, every stream, every piece of footage - and every byte of data - *is protected*", adds Mr. Aditya Khemka, Managing Director, CP PLUS (Aditya Infotech Ltd.).

What sets CTC apart is its foundation on six critical pillars of protection, each addressing a key vulnerability area. Cyber Security protects the system from hacking attempts and unauthorized access. Operational Security ensures there are no disruptions or system failures caused by malicious interference. Network Security shields data transmission channels to prevent breaches. Data Security secures all recorded footage using high-grade encryption, making it unreadable to unauthorized users. Application Security ensures that the software running the devices is robust and shielded against exploits. And lastly, Critical Component Security safeguards the hardware and firmware - the physical and digital backbone of every device - from tampering or counterfeiting.

But CTC doesn't stop there. It incorporates a host of advanced security measures, making it one of the most comprehensive surveillance security platforms available today.

1. **Enterprise-Grade Security**

CTC ensures your surveillance system starts securely and stays protected with the latest encryption and authentication mechanisms.

2. **Secure Boot: Verified from Power-On**

CTC verifies firmware integrity from the moment the device powers on - no chance for malicious code injection.

3. **Strong Cryptography with AES-256**

CTC employs the latest AES-256 encryption standard, safeguarding data transmission and storage at all times.

4. **Tamper-Proof Communication**

CTC secures all data in transit with encrypted channels, ensuring protection against man-in-the-middle attacks.

5. **Trusted Core = Trusted Surveillance**

CTC builds trust at the core, enabling organizations to meet compliance needs like OWASP, IoTSCS ER, and more.

The system is also resilient against side-channel attacks, a sophisticated form of cyberattack that exploits indirect leaks like electromagnetic emissions or power consumption. CTC has been specifically engineered to resist such vulnerabilities with advanced hardware-level security.

Backing the technological depth of CTC is a stamp of validation that speaks volumes. Our CTC-powered cameras are STQC Certified, aligning with India's stringent cybersecurity and quality assurance standards. This certification reinforces the credibility and reliability of CTC-enabled solutions and showcases CP PLUS's dedication to developing indigenized, Made-in-Bharat innovations that meet global benchmarks.

In simpler terms, CTC Technology ensures that your surveillance system is protected: always. Whether it is the camera you have installed in your home, a large-scale deployment in a city

surveillance project, or critical systems in financial, healthcare, or industrial sectors, CTC ensures that your data remains your own and your systems remain resilient against all cyber threats.

With this launch, CP PLUS has once again demonstrated its ability to lead the industry not just in innovation, but in responsible and secure innovation. CTC Technology is not just a new feature, it is a new philosophy, one that believes surveillance should be about more than just watching; it should be about protecting, not just physical spaces, but digital sanctity too.

The future of secure surveillance is here. Its name is CTC. And it is proudly brought to you by CP PLUS.