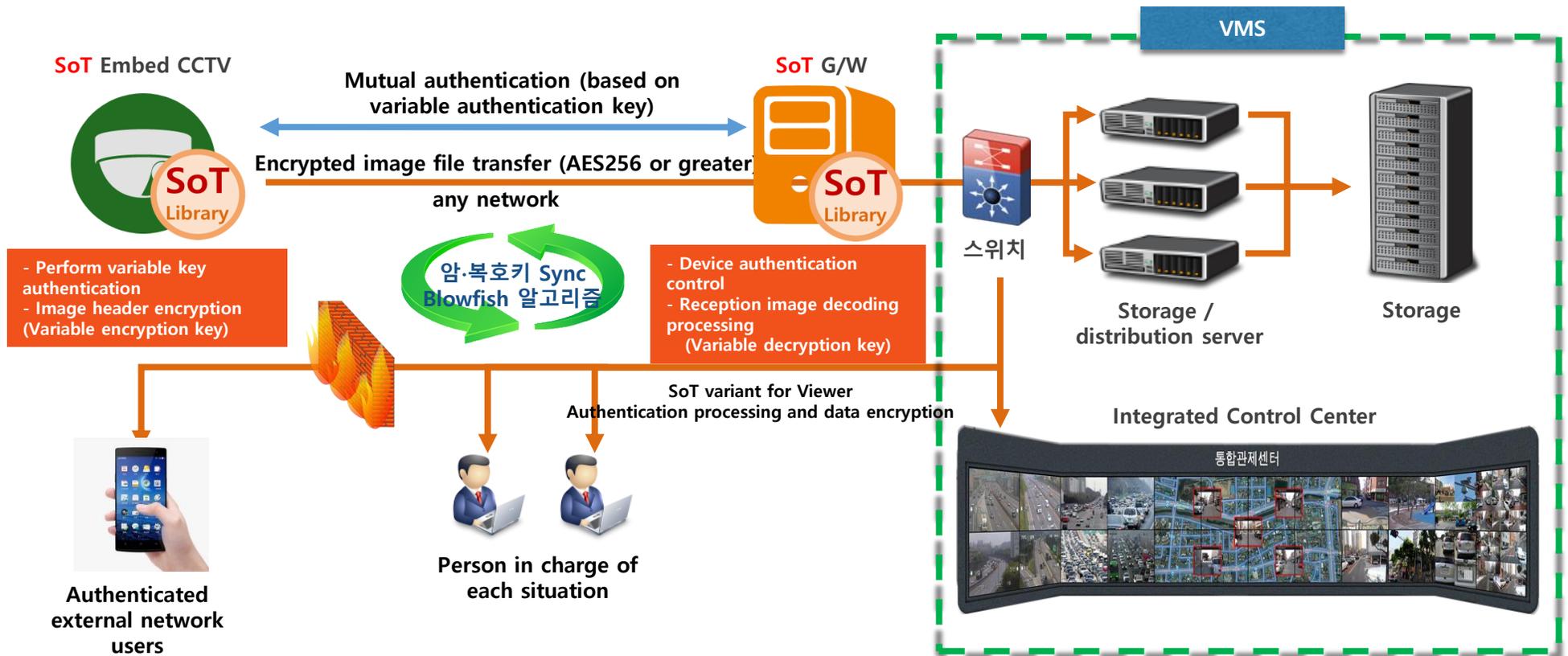




MÜHST SoT IMG Introduce

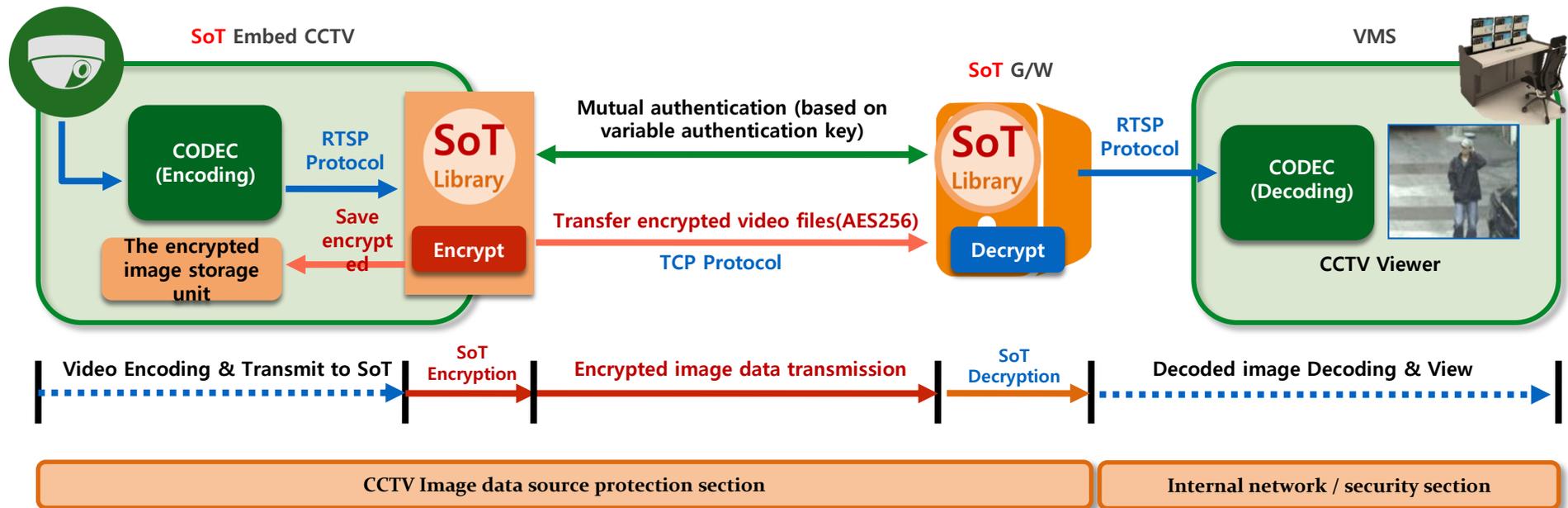
MÜHST SoT IMG (CCTV Security Solution) Overview

SoT IMG encrypts CCTV high-quality image and video frame data in real time based on MÜHST's SoT data source protection technology (AES256 or greater) and sends it to the control center or VMS. It can perfectly protect the image data without any security (VPN, SSL, etc.) in the transmission network section.



MÜHST^{SoT} IMG (CCTV Security Solution) Detailed execution logic

In order to secure the flexibility of CCTV image data encryption using MÜHST SoT IMG, the image is encrypted with SoT after encoding the codec, and data is transmitted to the gateway through the network. The received gateway decodes the corresponding data, To the decoding unit (VMS).



※ RTSP : Real Time Streaming Protocol, TCP : Transmission Control Protocol

Comparison of IMG vs general CCTV encryption technology



구분	SoT IMG	General CCTV Encryption
Transmission Line Constraints	<ul style="list-style-type: none"> ● Encrypt Header as soon as the image is created ● Data transmission section encryption is not required 	<ul style="list-style-type: none"> ○ Not possible to make encryption at the time of image generation ○ Header Encryption in Data Transmission Section
Data Preservation	<ul style="list-style-type: none"> ● Header encryption and self-storage as soon as the image is created ● Preserves data within the limit capacity even when communication is disconnected. 	<ul style="list-style-type: none"> ○ Encryption when transmitting image data ○ Video data that cannot be transmitted when communication is disconnected is lost.
Data protection	<ul style="list-style-type: none"> ● Variable authentication key based terminal security authentication support ● Real-time encrypted data via variable encryption key Prevent data leakage even when hacked 	<ul style="list-style-type: none"> ○ IP or MAC address-based rudimentary terminal authentication ○ Fixed key based Header encryption method in the transmission section
Data Encryption Point	<ul style="list-style-type: none"> ● The only lightweight solution that encrypts CCTV video data from the moment of creation (AES256 or greater) 	<ul style="list-style-type: none"> ○ This is a method of encryption at the time of transmission, not at the time of image generation.
Video Delay	<ul style="list-style-type: none"> ● There is little difference in video delay between when encrypted and when not encrypted. 	<ul style="list-style-type: none"> ○ There is a large difference in image delay between when encrypted and not encrypted.