Milestone Partner Solution Verification

Verification

milestone

VERIFIED
SOLUTION

NEXCOM ATC 8010 SYSTEM

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About NEXCOM

NEXCOM is a well-known industrial computer hardware manufacturer headquartered in Taiwan. We are committed to being your trustworthy partner in building the intelligent solutions. To surpass customers' expectations, NEXCOM makes the difference by utilizing its decades of industrial computing experience, a highly talented R&D team, and by providing exceptional levels of customer service. With these core strengths, NEXCOM has enabled its customers to win key projects in a diverse range of industries.

Video surveillance is a critical aspect in vehicles for protecting driver and passenger safety, as well as public safety. A solid video surveillance system must be comprehensive in the areas of video capture, transmission, display, storage and management. By implementing GPS and mobile network technology, video surveillance systems can empower remote video monitoring in real-time. In addition, with advanced video analytics algorithms, video surveillance systems can provide Automatic License Plate Recognition (ALPR), Longstop Object Detection (LOD) and Driver Behavior Monitoring (DBM) to avoid traffic accidents, and Human Facial Recognition (HFR) to assist crime prevention.

Equipped with advanced computing, wireless communication, and global navigation satellite system (GNSS), smart buses can be monitored and coordinated meticulously to ensure bus services are performing within standards. In addition, real-time live surveillance and video analytics of bus fleets can be implemented to respond to emergency events and ensure security and safety of drivers and passengers. Furthermore, smart buses can monitor and collect data such as driving behavior and passenger flows, giving bus operators insights into its fleet operation and allowing them to make service improvements or timetable rearrangements when necessary.

About Milestone Systems

Milestone Systems is a global leader in providing open platform IP video surveillance software. Milestone has provided easy-to-use, powerful video management software in more than 220,000 installations, worldwide.

Milestone XProtect® provides open architecture products that are compatible with more IP cameras, encoders, and digital video recorders than any other manufacturer. Because Milestone provides an open platform, you can integrate today's best business solutions and expand what's possible with future innovations. Visit www.milestonesys.com for more.

Verification Product Under Test

- **ATC 8010 Advanced Telematics System**
- **Milestone XProtect Professional + 2018 R3**

System Configuration

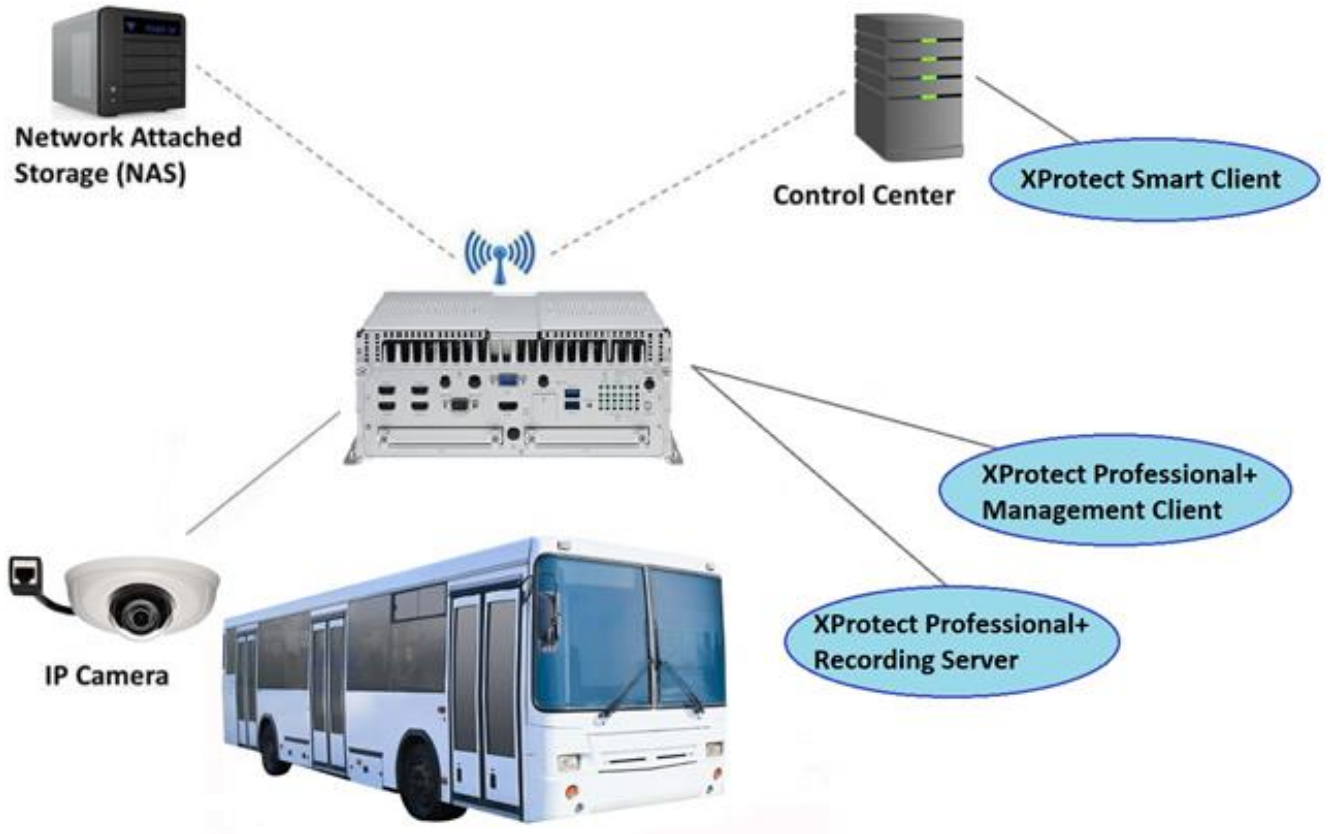| Model	ATC 8010
CPU	Intel Core i7-8700T @ 2.60GHz
Memory	16GB (8GB x 2) DDR4 Dual Channel
Operating System	Windows 10 Pro 64Bit
Software	Milestone XProtect Professional + 2018 R3
Qty of cameras simulated	48 Cameras in 1080p x 30 fps
Remote Access Software	Teamviewer 13
Operating System Drive	128GB mSATA
Storage Drive	2x 1TB SSD in RAID 1 setting
Network Controller	1x Intel i210-AT Gigabit Ethernet controller
PoE Ports	8x PoE ports Intel i10-AT Gigabit Ethernet Controllers
Power Input	9 – 36V DC

ATC 8010 Advanced Telematics System

Feed Server

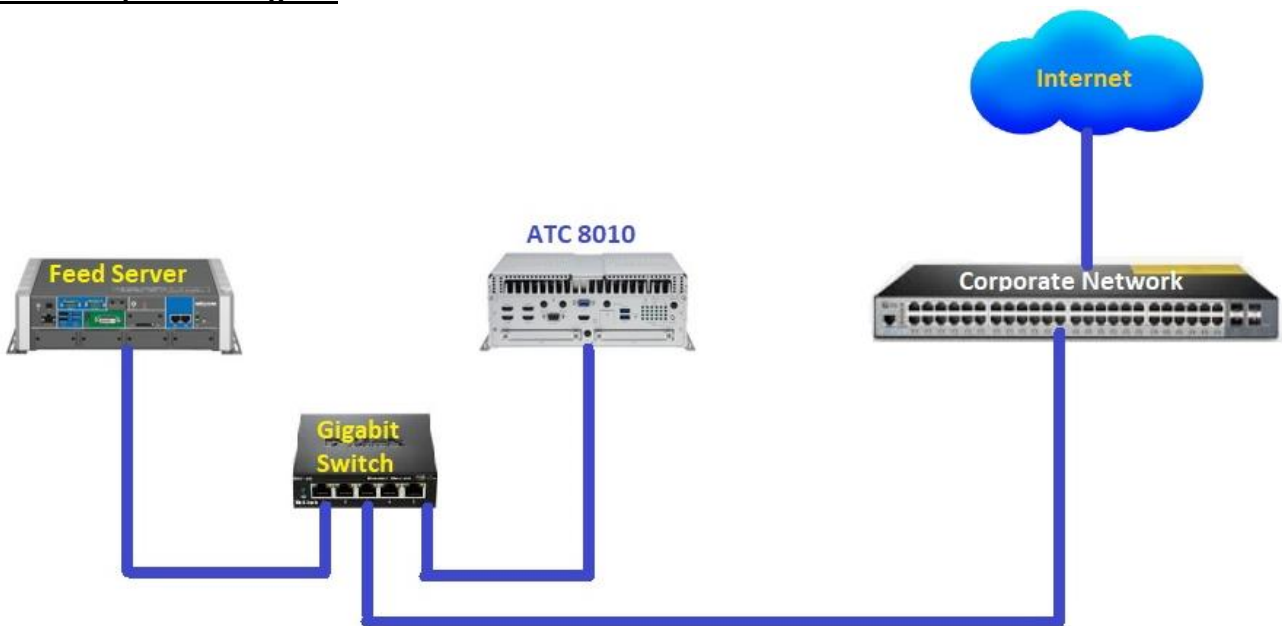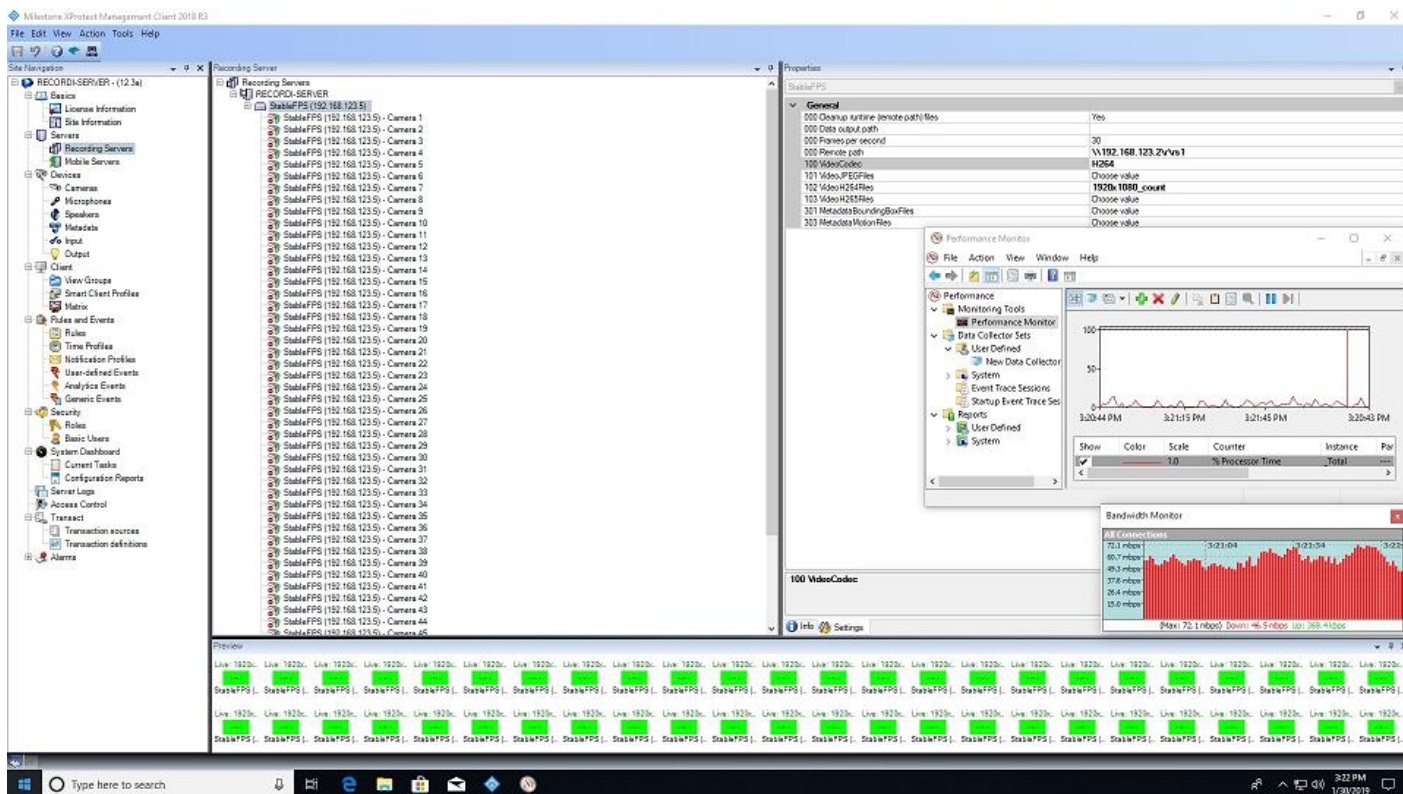| Model	NISE 300
CPU	Intel Core i5-4402E @ 1.60GHz
Memory	8GB (4GB x 2) DDR3 Dual Channel
Operating System	Windows 10 Pro 64Bit
Software	ImDiskToolKit
Operating System Drive	500GB Hard Disk Drive
RAM Drive	2GB RAM Drive
Network Controller	2x Intel 82579L Gigabit Ethernet controller
Power Input	9 – 30V DC

NiSE 300 Fanless System

Solution Architecture:

Test Setup Block Diagram

Test Running Screenshot