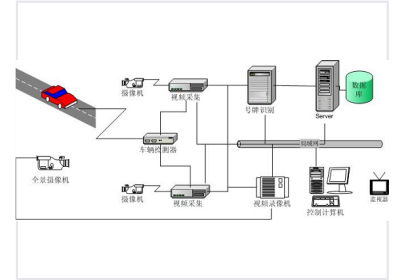


Intelligent Transportation System for Roadway Monitoring

This intelligent transportation system monitors and manages traffic flow on roadways using integrated technologies. Data from cameras, vehicle detectors, and license plate recognition is transmitted over a network to a server and stored in a database.



System Overview

Intelligent Transportation System (ITS)

This advanced roadway monitoring solution integrates multi-sensory technologies to provide comprehensive traffic management and oversight. By leveraging high-definition video capture, automated vehicle detection, and license plate recognition, the system delivers real-time data to operators for enhanced road safety. Designed for reliability, the architecture utilizes local area networks to centralize data storage and command capabilities, ensuring seamless traffic flow analysis and incident response.

Technical Components

Integrated Hardware

- Panoramic Cameras
- Video Capture Devices
- Vehicle Detectors
- Video Recording Machines
- Control Computers
- Monitoring Displays

Key Functional Features

License Plate Recognition, Real-time Traffic Monitoring, Video Surveillance, Automated Vehicle Detection, Local Area Network (LAN) Integration

System Architecture

Connectivity & Storage

Component	Function
Network	Local Area Network (LAN)
Server	Data Processing and Database Management
Recording	Video archival for incident review