

IPS 2000 Vehicle Identification System

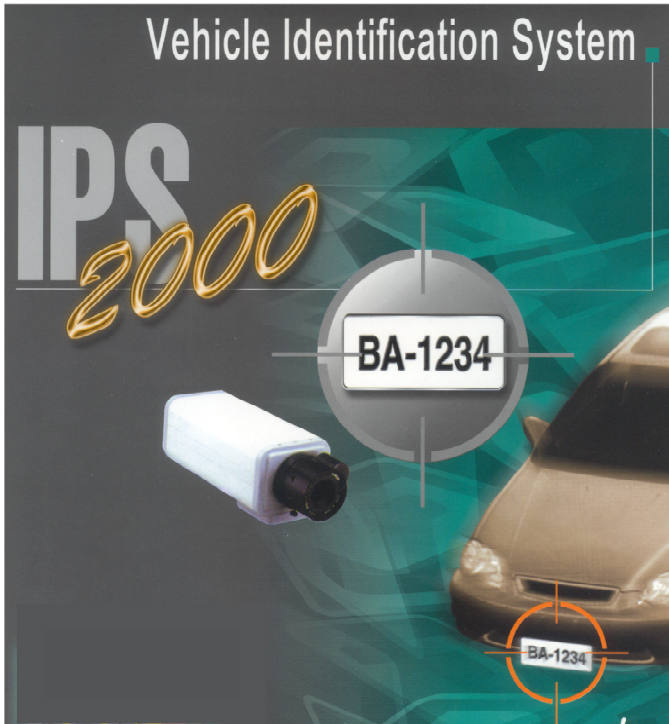


Image Processing Unit

- * Image processing master
- * Combined with frame grabber card for image analysis which can be connected with host computer
- * CPU : Pentium III 1G or above
- * DDRAM : 512 MB or above
- * Ethernet interface card : 100M or above
- * Two RS-232C serial ports

Image Grabber & Processor Card

- * Resolution : 640H x 480V Pixels & 256 levels
- * Input : RS-170 standard video signal

Performance

- * Recognition speed : within 0.5 seconds
- * Recognition accuracy : at least 90%

Camera

- * Set up at car park entry and exit lane for capturing license plates
- * RS-170 standard video signal output

Lens

- * C or CS type lens mount

Today, an intelligent parking management system not only increases the profit of the parking facility, but also provides a reliable security system to protect all vehicles in the car park. A parker is expecting a safe environment when he or she drives into a parking facility.

Utilizing the artificial intelligence, the IPS 2000 Vehicle Identification System is developed to prevent car-theft. At the car park entrance, a camera captures an image of the entering vehicle, and the image is quickly processed to recognize license plate number. The image and license plate numbers are saved along with other entry information in the database for future verification. When the Entry Terminal issues a ticket, the license plate number is encoded and printed on the ticket. If the ticket is lost, it can be re-issued immediately by calling the license plate number in the Fee Computer.

At the car park exit, another camera captures the image of the exiting vehicle and the license plate number is quickly compared with the entry information encoded on the ticket. If both license plate numbers correspond, the gate arm is raised to allow the vehicle exit. If not, a car-theft activity might be found, and proper actions will be taken.

