iVMS-8600 Intelligent Traffic Monitor System Specification
**Introduction**

iVMS-8600 is an intelligent traffic monitor platform specially designed for image access and processing of transportation industry. The platform integrated a wide range of functions, including checkpoint/e-police management, smart analysis, face capture, video management, device management, task management, log management, alarm management and e-map.

**Function Features**

**ITS (Intelligent Transportation System)**

- Live view of vehicle pictures and follow-up query, various query interface;
- Export pictures of different types;
- Real-time vehicle violation alarm, with linkage of SMS, email, etc.;
- GIS map display more than 200;
- Enlarge violation picture;
- Real-time speed detection and alarm;
- Custom data dictionary management, including plate number, type, color, violation type, alarm level, high-risk period;
- Accurate and fuzzy vehicle monitoring, special vehicle management and filter rule;
- Real-time fake plate detection and follow-up analysis;
- Linked view;
- Direct storage of pictures;
- Flow analysis, flow ranking analysis, flow prediction;
- heat map;
- People counting;
- Automatic Blacklist License Plate Alarm &
Search

Live View
- Multiple decoding modes;
- Multiple auto-switch modes;
- Fisheye modes;
- Video wall functions, including picture jointing, window opening and roaming;
- Split screens and auxiliary screen;
- Digital zoom;
- Stream media forwarding, a single stream media server can forward 256-ch video at D1 resolution;

PTZ Control
- Multiple PTZ control modes, including control panel and live view window;
- Preset setting and calling;
- 3D positioning;

Storage and Playback
- Multiple storage types, including edge storage, central storage and client storage;
- Multiple storage modes, including scheduled storage, manual storage and event storage;
- Multiple storage package modes, including stream direct storage, NVR and data storage;
- Cloud storage;
- Edge storage and ANR (automatic network replenishment);
- Search video by schedule, event and alarm;
- Synchronous and asynchronous playback, instant playback;

VCA (Video Content Analysis)
- Face capture and analysis;
- Vehicle feature detection;
- Defocus detection and scene change alarm;
- Tripwire and intrusion alarm;
- People gathering and loitering alarm;
- Detection of trash tossing, people intrusion, parking and wrong way driving on express way;
- Video quality diagnosis;

Central Management
- Large-scale access and management of encoding and decoding servers, capture cameras and terminal servers;
- Access and management of complete series of surveillance devices (DVRs, DVSs, decoding devices, storages, IP cameras, VCA servers, video management platforms);
- Support client (Master/Slave) 100 workstations;
- Manage 1,000 users;
- Control connected and manage 1,000 devices (including LPR);
- Multiple modes (web, private SDK) to connect to third-party capture camera and checkpoint platform;
- ONVIF™ protocol and other industrial standards for access of third-party camera and DVR;

Maintenance
- Manage resources, users and roles by organization;
- System operation log alarm;
- Batch remote upgrade;
- Device and link status monitoring and alarm;
- Asset management;
- Task schedule management;

Display
- Access from browser, client or mobile phone;
- Fuzzy and full text search;
• Add and manage favorites;
• Custom view layout;
• Static map mode, supporting map-based full service operation;

**Integrated Alarm**

• Multiple alarm access mode, including IP cameras, terminal server and I/O;
• Sound and light alarm linkage;
• Email and SMS event alarm;
• Alarm priority management;
• Alarm information automatically stored in database;

**Traffic Guidance and Publishing**

• Publish text and picture traffic guidance information;
• E-map management;
• Officer and road segment management;
• Guidance screen management and configuration;
• Traffic information publishing and subscription;

**Intersection Control**

• Traffic light phase management and status display, real-time traffic light status display;
• Visualized display of intersection, showing directions;
• Real-time road and traffic surveillance;
• Sound and light alarm and management;
• Real-time information of passing vehicle;
Product Appearance

UI Snapshots

Information of Passing Vehicles

E-map Application
Statistics

Intersection Control