



Video Management:

GoVMS — Total Camera Visibility & Control

GoVMS is the video management module of GoATMS, giving traffic operations centers a single platform to view, control, and organize every CCTV camera across the road network. Operators watch live video right in the browser, and streams start automatically when someone watches and stop when the last viewer leaves — keeping bandwidth and infrastructure costs in check.

Every camera is a fully managed asset, organized into camera groups and shown on the live operations map with road name, reference point, and direction. GoVMS delivers full pan-tilt-zoom control with iris and focus adjustment, named preset positions, and built-in coordination that prevents two operators from fighting over the same camera. Camera moves, preset recalls, and viewer sessions are all logged for accountability.

GoVMS turns individual feeds into coordinated displays. Video walls combine cameras, automated tours, and embedded web content into flexible grid layouts, saved as reusable arrangements for individual operators or the whole center. Tours cycle through cameras and presets on a set timing, preset moves can be scheduled ahead, and camera snapshots can be reviewed at any point or compiled into time-lapse video on demand.

Built on the GoATMS platform, GoVMS applies role-based permissions to every camera, group, wall, tour, layout, and widget, so each agency and operator sees exactly what they should. Live in-vehicle video from Safety Service Patrol units streams to multiple viewers through the same platform — putting eyes on the road wherever the team is working.

Video Management Feature Highlights:

- Camera Management
- PTZ & Presets
- Tours & Scheduling

VIEWING & STREAMING

STREAM TYPES *RTSP, HLS, WebRTC, NVDS, Snapshot URL*

VIDEO CODECS *H.264, VP8, VP9, AV1*

CAMERA CONTROL

PTZ PROTOCOLS *ONVIF, NTCIP, Axis, Cohu, Pelco-D, Pelco-P*

PTZ FUNCTIONS *Pan, tilt, zoom, auto-iris/focus, presets*

TOURS & SCHEDULING

CAMERA TOURS *Timed preset tours with live progress*

SCHEDULING & SNAPSHOTS *Scheduled jobs, snapshot image & time-lapse*

MANAGEMENT & ACCESS

MANAGED ENTITIES *Cameras, groups, walls, layouts, tours*

OPEN ACCESS *Role-based permissions, REST & gRPC APIs*

** Camera control capabilities scale to the connected device and its supported protocol.*