



SkyCop® – Mobile License Plate Recognition & Video Surveillance System



Pan & Tilt Genetec LPR Unit with Thermal Imaging Camera and High Resolution Day / Night Camera

SkyCop MLPRV advanced user friendly features:

- SkyCop adjustable mounting system for Touch Screen Monitor and Backlit Keyboard
- Automated preset positioning of the License Plate Reader and Video Camera System for easy positioning while vehicle is in operation.
- 180° Pan and Tilt System that can position the License Plate Reader and Camera System in any position desired for precision reads and views.
- Five (5) preset positions are available for frequent positioning.
- Touch Screen Monitor provides real-time read display and live video display information to the user.
- “Hot List(s)” information can be entered or imported into the on board computer system to provide flag and alert information to the operator for License Plates that have been designated as plates of interest through local and national databases.



SkyCop Adjustable Mounting System for Touch Screen Monitor & Backlit Keyboard or Laptop Computer

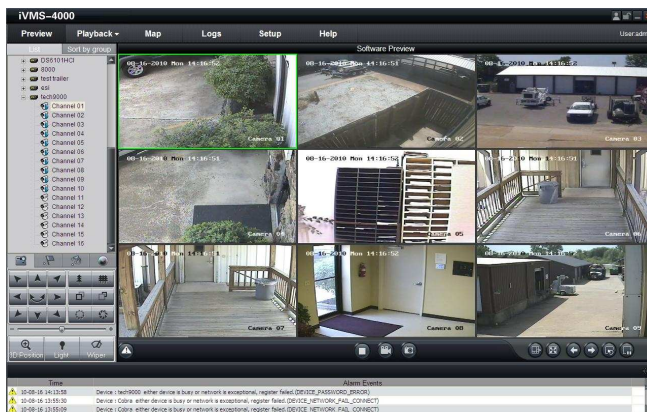
Other advanced options and features allow for full integration into other SkyCop® products such as Mobile Surveillance Trailers and SkyCop Wireless Camera Enclosure Systems. The MLPRV System can also monitor and control other citywide deployments of SkyCop Camera systems for advanced monitoring of a scene. Command Center can also display the MLPRV System while in operation. The SkyCop Platform can manage thousands of cameras from any location on the network.

Engineering Specifications:

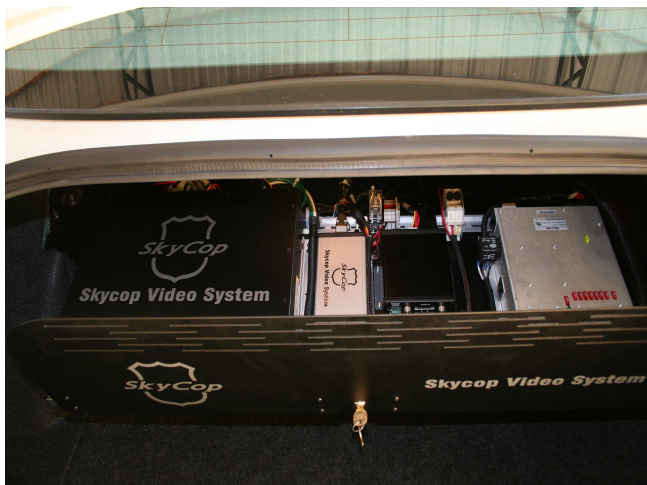
The MLPRV is a vehicle-mounted system for license plate image capture and video processing permitting autonomous operation (requiring no direct action of a user) to read license plates and match against various hot list of wanted vehicles. The Mobile Video Surveillance Platform will record video and audio using H.264 compression and have the ability to record up to eight (8) analog cameras for on board video and audio storage with remote streaming to a command center. The system will include a 7” In-Dash Touchscreen for control and monitoring. The License Plate Recognition System (LPR) will use dual-camera imaging (high-resolution cameras for license plate reading, secondary cameras for evidence gathering), GPS (with or without) moving map display, back-end evidence and reporting software, and a wireless communication capability for transferring data between the back-end and each mobile unit. The LPR and Video Surveillance system is mounted on a Pan & Tilt drive system and can be installed on the center light bar or other preferred areas. The LPR and Surveillance Cameras can be automatically positioned on all sides of the vehicle while in operation.

Specifications Pan & Tilt Device:

- Height 5.800"
- Width 6.210"
- Depth 5.08." with connector
- Materials Machined Aluminum with Stainless Steel Fasteners
- Anodized Aluminum Mounting Ring
- Polymer Bearings for Quiet Operation
- Ball Bearings on Major Axis
- Paint Powder coated
- Mounting Plate Width - 5.820"
- Depth - 4.730"
- Slots - 1/4" hardware or smaller
- Weight 5 lbs
- Voltage 12VDC +/- 5%
- Power Less than 1.5 watts per axis
- 0 watts with no motion
- Braking Regenerative
- Feedback Precision 5K pot (1 for Pan axis, 1 for Tilt axis)
- Requires 5VDC reference voltage
- Connector Nickel Plated MIL-C-26482 14-15
- Speed Pan 28 deg/sec
- Tilt 8 deg/sec
- Capacity 13 lbs or less
- Rotation Limits Pan 0 to 350 deg
- Tilt -90 deg Down to +30 deg Up
- Color Similar to RAL 9018
- Backlash <0.15 deg
- Maintenance None required
- Operating Temp. -30C to +70C
- No heating or cooling required
- Weatherproof IP68



SkyCop Video Management Software



SkyCop DVR and LPR Processing Computer mounted on Movable and Lockable SkyCop Trunk Shelving System

Touch Screen Specifications

- Model #: 1020TSV
- Screen Size: Diagonal 10.2" (16:9)
- Physical Resolution: 1024 (H) x 600 (V) WVGA
- Supported Resolution: 640 x 480 ~ 1600 x 1200
- Dot Resolution: 3072 x 600 = 1,152,000 (dots)
- LCD Brightness: 300 cd/m²
- Contrast Ratio: 500:1
- Viewing Angle: 160° Horizontal, 140°
- Vertical Response Time: 10 - 15ms
- Touch Screen Interface: USB port
- Operating Voltage Range: DC 10V ~ 30V
- Power Supply: DC 12V
- Power Consumption: ≤ 20W
- Operating Temperature: -4°F ~ 158°F

Digital Recorder / Processor Specifications

- Intel Core 2 Duo Processor T7200 2GHz 4MB CPU
- 60GB Control Hard Drive / 1TB Video Storage Drive
- 4GB DDR RAM
- 2xPCI; 1xPCI-Ex16; 1xPCI-Ex1
- Available with 4, 8 Video and Audio Inputs
- Supports DVI Output
- Supports S-Video Output
- LAN Intel Gigabit PCI Express LAN chip
- (4) USB 2.0 Ports, (2) RS-232 Port
- 80-wire IDE x 1 cable; Serial ATA Cable x 1
- Shut Down Delay Time 10sec Default; 10 min, 30 min, 60 min set by jumper
- Selectable Start-up Voltage and Low battery shutdown voltage
- Cooling: Forced air or thermal coupling to heat sink.