



# MobileView 3000 User Manual

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**Version** This document applies to the MobileView 3000.

**Certification**   N0000

Complete additional sections according to the governing laws and standards for the intended market place.

**FCC compliance** This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**FCC compliance** Class A: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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# Product Overview

**Full featured video surveillance on the move:** The MobileView 3000 digital video recorder, with H.264 compression technology for enhanced recording capacity and improved network image transmission speed with high image quality, delivers real-time video and audio recording on all channels (240fps @ 4CIF resolution, frame rate and resolution independently configurable for each camera) along with comprehensive features including hot swap hard drive, embedded 3-axis g-sensor, GPS receiver interface, 802.11b/g WiFi, individual camera power outputs, remote control capability and shock/vibration resistant locking Molex connectors make this DVR the best choice for your portable and mobile recording applications. The DVR provides multiple interfaces including 3 USB ports, RS-485, RS-232, GPS port, wired and WiFi Ethernet, 12 alarm inputs and 2 alarm outputs. The new easy to read graphical user interface is specially designed for use with portable small-screen monitors. The power supply in the MobileView 3000 provides surge protection, voltage regulation, and programmable delay power on/off for the DVR.

## Features

- 4 & 8 Channels of video and 2 channels of audio recording
- Recording Rate: 240fps @ 4CIF/2CIF/CIF resolution (with global settings; record rate, resolution and quality can be set independently per-camera up to the maximum of 480 CIF-equivalent FPS)
- H.264 compression format for efficient disk and network utilization
- Molex connectors for shock & vibration resistance; interface cables to BNC, RCA and power jacks supplied
- Alarm Inputs & Outputs: 12 & 2 (alarm outputs are form “C”)
- Embedded 3-axis g-sensor function with separate programmable alarm levels for X/Y and Z axis
- Removable video storage hard disk; easy playback on PC (using the MobileView 3000 Docking Station purchased separately)
- Supports single 3.5” SATA hard disk standard (up to 2TB)
- Supports multiple interfaces: 3x USB, RS-485, RS-232, GPS port, wired Ethernet
- Provides camera power for 4 or 8 cameras; interface cables to power jacks supplied
- Optional External WI-FI Modules for wireless transmission

- GPS function tracks speed and geographic limits (optional external GPS receiver)
- Power Supply: 10V~36VDC with Surge Protection, Voltage Regulator, programmable Delay on/off
- Temperature: -40°C ~ 55°C (Operating), -40°C ~ 85°C (Non-Operating)

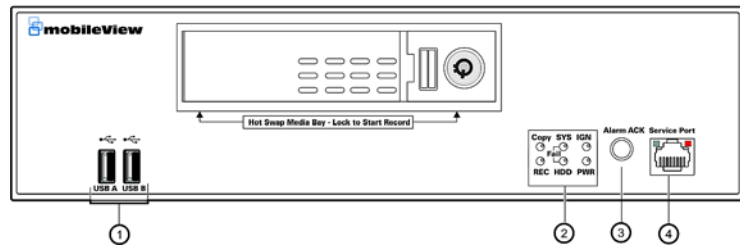
## **Package Contents**

- Digital Video Recorder x1
- HDD Tray x 1
- HDD Fixing Bracket x 1 set
- Screws x 1 pack
- Antenna x 1 set
- Battery x 2
- Camera Power cable x 3
- Video & Audio cable x 3
- Alarm cable x 1
- Alarm Output cable x 1
- RS232/RS485 cable x 1
- GPS cable x 1
- DVR power cord x 1

## Front Panel

Take a moment to learn where the connections are as the remainder of the manual will refer to them often.

Figure 1: MobileView 3000 front panel

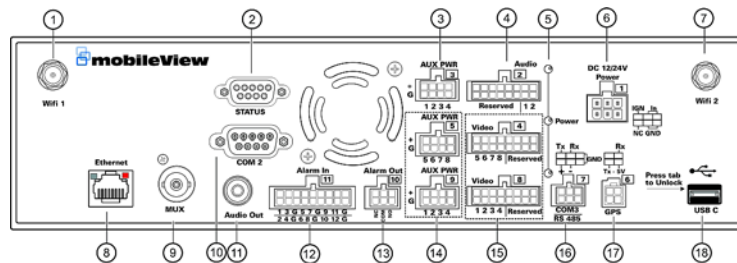


1. **USB 2.0:** 2 ports for connecting USB-Flash-Drive to upload/download configuration.
2. **System Status LEDs:** Indicators system status.
  - System failure LED: HDD full, HDD/System Temperature, Fan failure, Videoloss
  - HDD failure LED: HDD power off, HDD failure
  - Copy LED: ON indicates that the system is upgrading firmware or upload/download configuration
  - IGN LED: ON indicates that the Ignition is on
  - Record LED: ON indicates that the unit is recording.
  - Power LED: ON indicates **Power** on.
3. **Alarm Acknowledge Button:** Press to silence alarms.
- 4, **Service Port:** RJ-45 network connection 10/100Mbps Ethernet. There are two LEDs on the LAN jack; Green LED means network is connected, amber LED flickers when data is being exchanged.

## Rear Panel

During initial setup you will be connecting your DVR to multiple input and output devices. This is done through the rear panel.

Figure 2: MobileView 3000 rear panel



1. **Wifi 1:** Connection of the antenna. **802.11 b/g Wifi.**
2. **Status Port:** Not Used
3. **Auxiliary Power Connector:** For Audio
4. **Audio Input:** Connect line level output of an audio preamplifier to the audio input connection corresponding to the appropriate camera.
5. **Power LEDs:** Shows the status of the Audio and Video power
6. **Power Input/Ignition Control In:** This 6-pin connector includes 4 pins for power input, one pin for ignition control, and one unused pin. Both input power and ignition may connect to either a 12VDC or 24VDC nominal power source.
  - PIN 1: 12VDC or 24VDC (+)
  - PIN 2: 12VDC or 24VDC (+)
  - PIN 3: Ignition Input
  - PIN 4: Electrical Return (GND)
  - PIN 5: Electrical Return (GND)
  - PIN 6: Not used
7. **Wifi 2:** Connection of the antenna. **802.11 b/g Wifi.**
8. **Ethernet Port:** for connecting to the Network
9. **MUX (Main Monitor Out):** Main monitor for live viewing.
10. **COM 2 (RS232 socket):** Connect this connector to RS232 compatible device.
11. **Audio Out:** Connect to the line level input of an audio amplifier.
12. **Alarm Input:** Connect up to 12 alarm inputs, selectable between N.O. / N.C. contacts.

**13. Alarm Output:** N.C or N.O type alarm out (form “C”).

**14. Auxiliary Power Connector:** For Video

**15. Video (Camera Power Outputs):** MobileView 3000 can provide power source to cameras, connect camera power to this output by using the camera power cable. For the first 4 CH, the power source used is 300mA x 12VDC.

**16. COM3 (RS485) port:** Connect this connector to RS485 compatible device.

**17. GPS Data Input:** Connect this connector to GPS receiver via GPS cable.

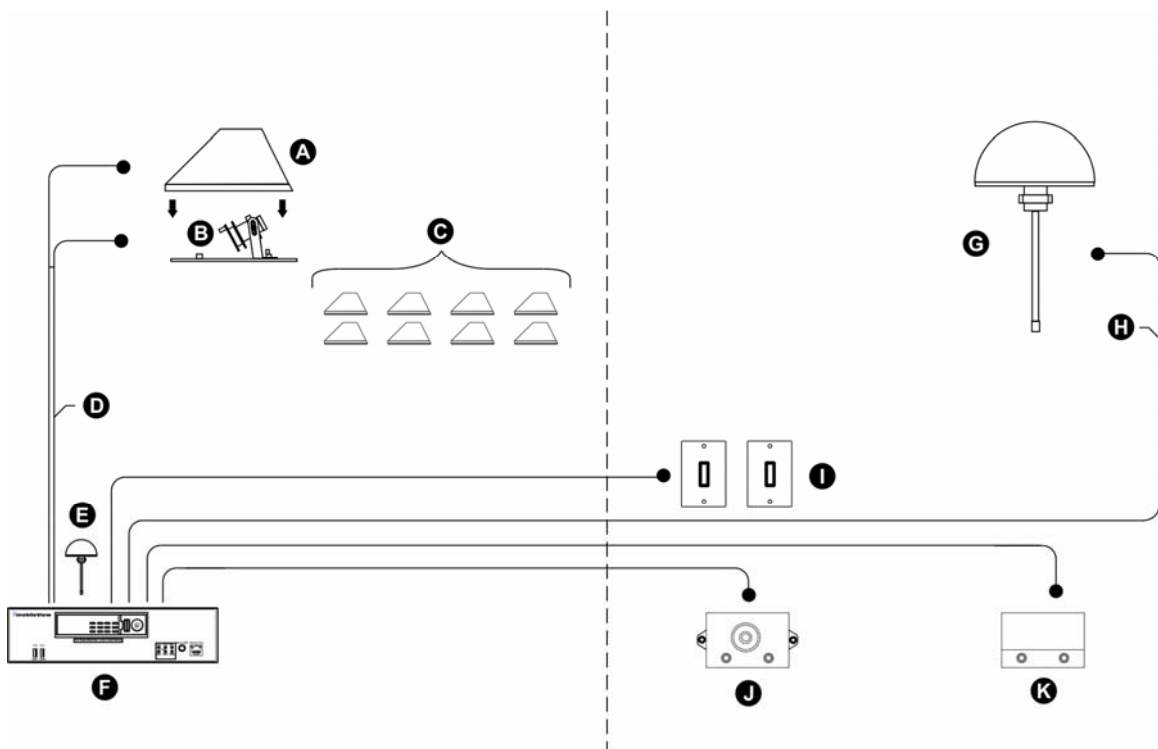
**18. USB C port:** Port reserved for expansion devices.

## System Connection

Please refer to the following diagrams for the system connections.

**Note:** Monitor and Camera must be purchased separately.

**Figure 3: MobileView 3000 connection diagram**

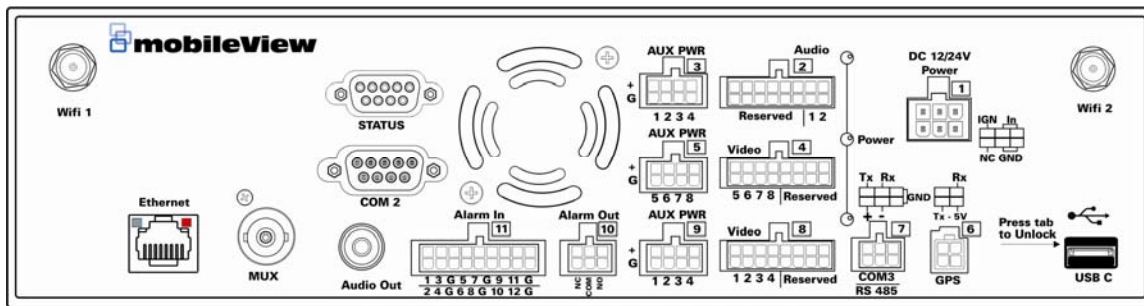


- A. Aluminum Housing
- B. Camera
- C. Up to 8 Cameras per system
- D. RG179 Coaxial Cable
- E. GPS Antenna
- F. DVR Assembly

- G. Wireless Antenna
- H. Wireless Antenna Cable
- I. Microphones
- J. Panic Button
- K. Accelerometer

# Rear Panel Connections

Figure 4: MobileView 3000 Rear Panel Connection Pinouts



Pinout Tables shown below

| MV 3000 Plug 1 |                    |    |               |
|----------------|--------------------|----|---------------|
| Pin Position   | Harness Wire Color |    | Pin Use       |
| 1              | Black              |    | Return In     |
| 2              | Black              |    | Return In     |
| 3              | --                 | -- | Not Used      |
| 4              | Red                |    | Main Power In |
| 5              | Red                |    | Main Power In |
| 6              | White              |    | Ignition In   |

| MV 3000 Plug 2 |                    |    |                   |
|----------------|--------------------|----|-------------------|
| Pin Position   | Harness Wire Color |    | Use               |
| 1              | Black              |    | GND (AUD2 Return) |
| 2              | Black              |    | GND (AUD1 Return) |
| 3              | --                 | -- | Not Used          |
| 4              | --                 | -- | Not Used          |
| 5              | --                 | -- | Not Used          |
| 6              | --                 | -- | Not Used          |
| 7              | --                 | -- | Not Used          |
| 8              | --                 | -- | Not Used          |
| 9              | Yellow             |    | AUD2+             |
| 10             | Brown              |    | AUD1+             |
| 11             | --                 | -- | Not Used          |
| 12             | --                 | -- | Not Used          |
| 13             | --                 | -- | Not Used          |
| 14             | --                 | -- | Not Used          |
| 15             | --                 | -- | Not Used          |
| 16             | --                 | -- | Not Used          |

| <b>MV 3000 Plug 3</b> |                           |    |                           |
|-----------------------|---------------------------|----|---------------------------|
| <b>Pin Position</b>   | <b>Harness Wire Color</b> |    | <b>Use</b>                |
| 1                     | Black                     |    | GND (Mic 2 PWR Return)    |
| 2                     | Black                     |    | GND (Mic 1 PWR Return)    |
| 3                     | Black                     |    | GND (Spare)               |
| 4                     | --                        | -- | Not Used                  |
| 5                     | Blue                      |    | 12VDC+ (Mic 2 Power)      |
| 6                     | Blue                      |    | 12VDC+ (Mic 1 Power)      |
| 7                     | Blue                      |    | 12VDC+ (Status LED Power) |
| 8                     | Blue                      |    | 12VDC+ (Spare)            |

| <b>MV 3000 Plug 4 –Model 3008 Only</b> |              |    |                      |
|--|--------------|----|----------------------|
| <b>DVR Pin Position</b>                | <b>Color</b> |    | <b>Use</b>           |
| 1                                      | --           | -- | Not Used             |
| 2                                      | --           | -- | Not Used             |
| 3                                      | --           | -- | Not Used             |
| 4                                      | --           | -- | Not Used             |
| 5                                      | COAX         | NA | Shield Channel 8 (S) |
| 6                                      | COAX         | NA | Shield Channel 7 (S) |
| 7                                      | COAX         | NA | Shield Channel 6 (S) |
| 8                                      | COAX         | NA | Shield Channel 5 (S) |
| 9                                      | --           | -- | Not Used             |
| 10                                     | --           | -- | Not Used             |
| 11                                     | --           | -- | Not Used             |
| 12                                     | --           | -- | Not Used             |
| 13                                     | COAX         | NA | Video Channel 8 (V)  |
| 14                                     | COAX         | NA | Video Channel 7 (V)  |
| 15                                     | COAX         | NA | Video Channel 6 (V)  |
| 16                                     | COAX         | NA | Video Channel 5 (V)  |

| <b>MV 3000 Plug 5 – MV 3008 Model Only</b> |              |  |                        |
|--|--------------|--|------------------------|
| <b>Pin Position</b>                        | <b>Color</b> |  | <b>Use</b>             |
| 1  | Black        |  | GND                    |
| 2  | Black        |  | GND                    |
| 3  | Black        |  | GND                    |
| 4  | Black        |  | GND                    |
| 5  | Red          |  | 12V (+) / Camera Power |
| 6  | Red          |  | 12V (+) / Camera Power |
| 7  | Red          |  | 12V (+) / Camera Power |
| 8  | Red          |  | 12V (+) / Camera Power |

| <b>MV 3000 Plug 6</b> |              |  |                          |
|-----------------------|--------------|--|--------------------------|
| <b>Pin Position</b>   | <b>Color</b> |  | <b>Use</b>               |
| 1                     | Orange       |  | GPS 5V +                 |
| 2                     | White        |  | GPS TX (RS-232 Transmit) |
| 3                     | Black        |  | GPS RX (RS-232 Receive)  |
| 4                     | Green        |  | Ground                   |

| MV 3000 Plug 7 |                    |  |               |
|----------------|--------------------|--|---------------|
| Pin Position   | Harness Wire Color |  | Pin Use       |
| 1              | NA                 |  | RS-232 Ground |
| 2              | NA                 |  | RS-232 RX     |
| 3              | NA                 |  | RS-232 TX     |
| 4              | NA                 |  | RS-485 Ground |
| 5              | NA                 |  | RS-485 (-)    |
| 6              | NA                 |  | RS-485 (+)    |

| MV 3000 Plug 8 |                    |    |                            |
|----------------|--------------------|----|----------------------------|
| Pin Position   | Harness Wire Color |    | Use                        |
| C1             | --                 | -- | Not Used                   |
| C2             | --                 | -- | Not Used                   |
| C3             | --                 | -- | Not Used                   |
| C4             | --                 | -- | Not Used                   |
| C5             | COAX               | NA | Shield/Shell Channel 4 (S) |
| C6             | COAX               | NA | Shield/Shell Channel 3 (S) |
| C7             | COAX               | NA | Shield/Shell Channel 2 (S) |
| C8             | COAX               | NA | Shield/Shell Channel 1 (S) |
| C9             | --                 | -- | Not Used                   |
| C10            | --                 | -- | Not Used                   |
| C11            | --                 | -- | Not Used                   |
| C12            | --                 | -- | Not Used                   |
| C13            | COAX               | NA | Video Channel 4 (V)        |
| C14            | COAX               | NA | Video Channel 3 (V)        |
| C15            | COAX               | NA | Video Channel 2 (V)        |
| C16            | COAX               | NA | Video Channel 1 (V)        |

| MV 3000 Plug 9 |       |  |                        |
|----------------|-------|--|------------------------|
| Pin Position   | Color |  | Use                    |
| 1              | Black |  | GND                    |
| 2              | Black |  | GND                    |
| 3              | Black |  | GND                    |
| 4              | Black |  | GND                    |
| 5              | Red   |  | 12V (+) / Camera Power |
| 6              | Red   |  | 12V (+) / Camera Power |
| 7              | Red   |  | 12V (+) / Camera Power |
| 8              | Red   |  | 12V (+) / Camera Power |



| <b>MV 3000 Plug 10</b> |                           |                |
|------------------------|---------------------------|----------------|
| <b>Pin Position</b>    | <b>Harness Wire Color</b> | <b>Use</b>     |
| 1                      | Blue                      | Relay 1 NO     |
| 2                      | Brown                     | Relay 1 Common |
| 3                      | White                     | Relay 1 NC     |
| 4                      | Purple                    | Relay 2 NO     |
| 5                      | Grey                      | Relay 2 Common |
| 6                      | Orange                    | Relay 2 NC     |

| <b>MV 3000 Plug 11</b> |                           |                      |
|------------------------|---------------------------|----------------------|
| <b>Pin Position</b>    | <b>Harness Wire Color</b> | <b>Use</b>           |
| 1                      | Green                     | 12v (Digital Return) |
| 2                      | Blue                      | Digital Input 12     |
| 3                      | Red                       | Digital Input 10     |
| 4                      | Black                     | GND                  |
| 5                      | Grey                      | Digital Input 8      |
| 6                      | Orange                    | Digital Input 6      |
| 7                      | Green                     | 12v (Digital Return) |
| 8                      | Blue                      | Digital Input 4      |
| 9                      | Red                       | Digital Input 2      |
| 10                     | Green                     | 12v (Digital Return) |
| 11                     | White                     | Digital Input 11     |
| 12                     | Yellow                    | Digital Input 9      |
| 13                     | Green                     | 12v (Digital Return) |
| 14                     | Purple                    | Digital Input 7      |
| 15                     | Brown                     | Digital Input 5      |
| 16                     | Green                     | 12v (Digital Return) |
| 17                     | White                     | Digital Input 3      |
| 18                     | Yellow                    | Digital Input 1      |

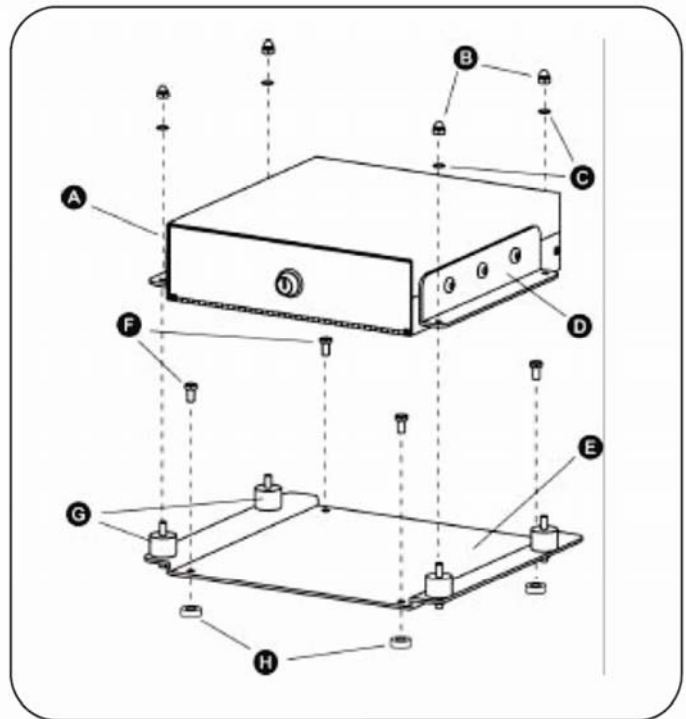
## Installing MobileView 3000

The DVR is mounted horizontally in a support or suspend position. Use the Z-brackets to mount the unit as shown below.

Figure 5: Mounting the DVR Housing

**Note:** The DVR can be mounted in a variety of orientations (except upside down). However, the mounting location must take into consideration the extra space and clearance required to open the housing door and to remove the DVR.

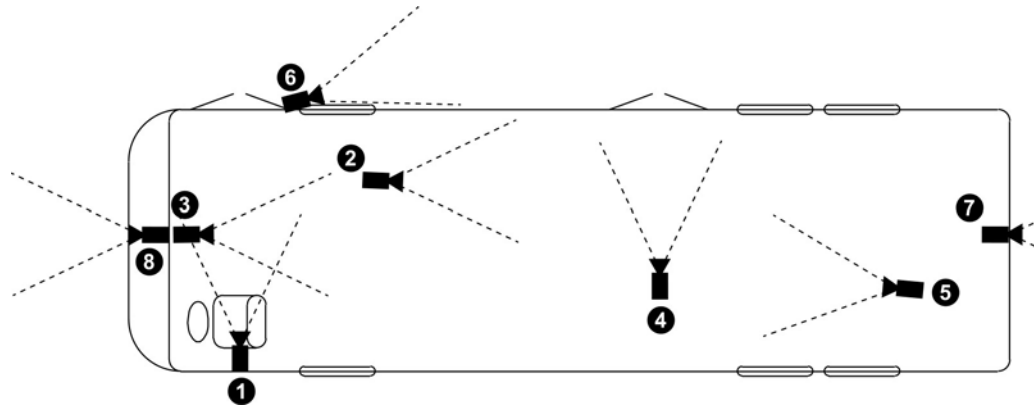
- 1) Remove the four acorn nuts (B) and locking washers (C) from the top side of the DVR outer housing (A).
- 2) Remove the DVR housing and place it aside until the mounting plate (E) has been installed. Do not remove the vibration isolators (G) or the bolts and nuts holding them in place.
- 3) Mount the mounting plate to the vehicle using four nuts and bolts (not provided); 1/4-20 inch bolts (F) are recommended. 1/4-inch spacers (H) are provided and should be used beneath the mounting plate, if needed to allow door to fully open.
- 4) Place the DVR outer housing back onto the mounting plate by lining up the holes in the mounting brackets (D) with the bolts in the vibration isolators.
- 5) Reattach the four acorn nuts and locking washers.



## Determining a System Layout

The drawing below is an example camera layout for a bus application.

**Note:** Camera layout and fields of view will vary from vehicle to vehicle, and each customer will determine camera names or descriptions. Camera types, fields of view, and cable lengths will be determined by the customer-specific system layout.



- ❶ The Front Door camera is located at the front of the bus over the driver's head, looking at the front passenger entry.
- ❷ The Center to Rear camera is located between the front and rear door, looking down the center aisle to the rear of the bus.
- ❸ The Front to Rear camera is located in the front of the bus, looking down the center aisle to the rear of the bus.
- ❹ The Rear Exit camera is located across from the rear door, looking at the rear doorway.
- ❺ The Rear to Front camera is located at the rear of the bus, looking up the aisle toward the front of the bus.
- ❻ The SideEye side camera is located on the exterior of the bus by the front door, looking toward the rear of the bus.
- ❼ The SideEye rear camera is located at the back of the bus, looking behind the bus.
- ❽ The Forward Facing camera is located in the front of the bus, looking in front of the bus.

# Running Camera Cables



## CAUTION

When installing cables, follow these guidelines:

Avoid excessive lengths of cable at the control and device end. Excess cable should be pulled back to a duct area where it can be folded and secured. Leave a service loop as directed for specific devices.

Cables should not come into contact with bare metal edges, light ballasts, or magnetic speaker coils. If ballasts and speaker coils cannot be avoided, cross them perpendicularly.

Cables that are secured with cable-ties should not be tightened to the extent that the cable is compressed or damaged. The cables should not be crimped, crushed, or severely bent.

When passing cables through tapping plates or metal sidewalls of the vehicle, if possible, insert grommets in the holes to protect the cable. If it is not possible, make sure that the protective outer CL2 jacket is maintained when passing the cable through the hole.

When pulling cable through the conduit, do not jerk or over-pull the cables. These actions will stretch and damage the cable. Attach a pull-line to the cable jacket, not to the connectors.

- 1) Route cables from each camera location to the DVR location as determined by your customer-specific system layout. Figure 1 shows an example system layout.
- 2) If cables must be pulled through vehicle walls with limited access or conduit, attach pull lines to the cables jackets, and gently pull cables through the appropriate routing paths.
- 3) After reaching camera locations, leave enough cable for a 6-inch (152 mm) service loop at each location.
- 4) Pull any excess cable back into the duct area where it can be folded and secured.

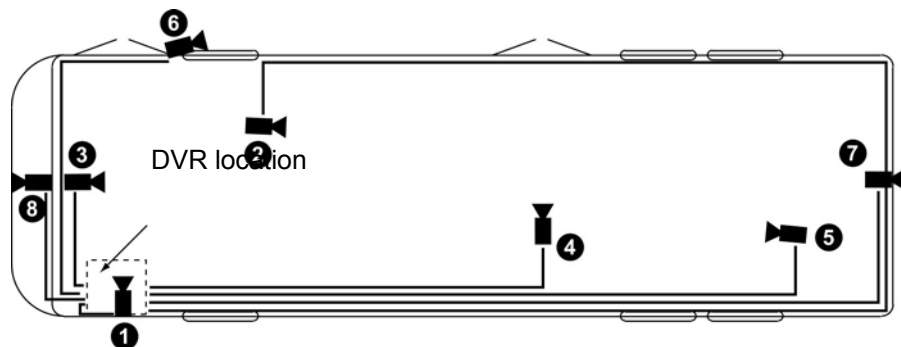


Figure 1. Typical camera cabling layout

# Quick Installation Guide

## Unbox Everything

Make sure you have everything you need before you begin the installation.

## Equipment Required

The following tools may help you to complete the installation:

- Drill
- Screwdrivers
- Wire cutters

## Choosing the Location

Choose a location for installation that:

- Provides convenient access for installing or removing the hard drive.
- Allows air to flow around the fan vents. Inadequate or improper air flow can impede proper operation of the unit.

Avoid any location for installation:

- That is subject to high vibration
- That is subject to high sunlight levels
- That is subject to excessive moisture or rain
- Where passengers can interfere with unit
- Next to a heater duct

## Camera Connections

MobileView 3000 supports connection from up to eight cameras (color and monochrome) as determined by model. Cameras supported by the MobileView recorder must conform to NTSC or PAL standards and provide a 1.0 Vp-p composite analog video signal, at 75  $\Omega$  (CCTV standard). Each camera connects to the MobileView recorder via the J6 harness which provides a single power and video connection for each supported video input.

## **IMPORTANT:**

The recorder support either NTSC or PAL video standards but not both simultaneously.

The recorder supports automatic selection of the video standard by detecting the camera signal on video input 1.

If a camera is not connected to video input 1, the video standard must be set manually.

## **Connecting the Camera(s)**

Connect the power connector from the camera(s) harness into the Camera Power Out connector on the rear panel of the MobileView 3000 DVR.

Connect the primary camera(s) video connector to the Camera Input and the audio connector to the Audio Input on the rear panel of the MobileView 3000 DVR.

## **Adjust the camera(s)**

After the camera is installed, connect a monitor directly to the camera and observe the image.

Make any adjustments if necessary.

## **Video Inputs/Outputs Installation**

Cameras and CCTV monitors must use copper center conductor/copper braid 75 Ohm video cable (e.g. RG-59, RG-6, RG-11) with BNC connectors.

To avoid impedance mismatch and undesired loss/reflections, 50 Ohm coax cable (e.g. RG-58), or 75 ohm foil shield antenna cable and other types of coaxial cable are not compatible.

All connected video sources must provide a 1 Vpp NTSC or PAL standard video signal.

When converting other transmission types (twisted pair, fiber optics, radio) for the video inputs, be sure to verify accurate receiver calibration and signal levels.

**ATTENTION:** In order for the system to auto-detect the appropriate video format (NTSC or PAL), make sure that there is a video signal on video input 1 upon power-up.

## Audio Connections

MobileView 3000 supports two channels of audio recording on line level inputs. Microphones are typically mounted in the head sign area near the driver and on near the roof toward the rear of the vehicle. Instructions for installation of microphones are provided with the device.

### **IMPORTANT:**

MobileView recommends using a single cable containing 1 Pair, 18AWG, Twisted and a 1-Pair, 18 AWG, Twisted/Shielded cable for audio wiring between the recorder and microphones.

Ensure the shield is attached at the microphone end only

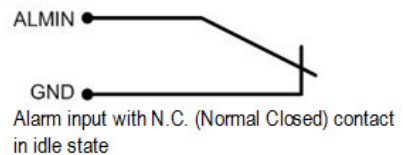
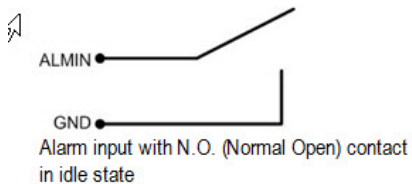
Ensure the cable is routed away from sources of electrical noise such as light ballasts and high voltage lines if present.

## Alarm Connections

MobileView 3000 supports twelve general purpose alarm inputs. These may be configured for normally open or closed operation and support a variety of configurable uses. These include mark a segment of video as alarm, activate an output, call up a camera, and more. Configuration is accomplished over the devices web interface.

### **Alarm Input Contacts**

This MobileView 3000 DVR provides one alarm input per camera. All inputs are programmable N.O. (Normal Open) or N.C. (Normal Closed) Inputs have to be switched by dry contacts.

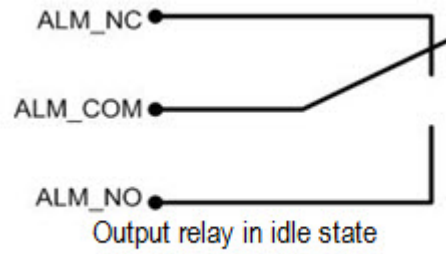


All settings are programmed in the Alarm menu.

## Alarm Outputs

### Alarm Relay Connection

MobileView 3000 provides two Form C relay outputs. These relay outputs are for general use and are available for special or site specific applications.





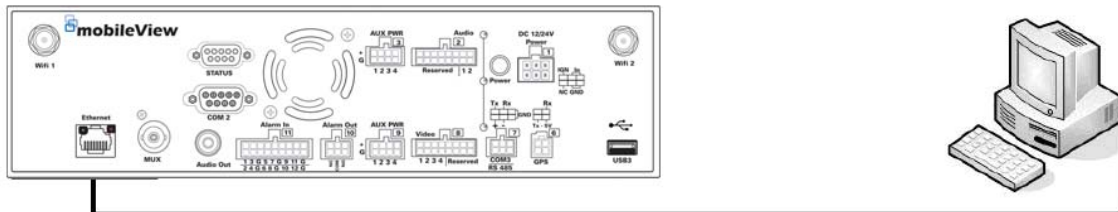
# Network Connection

This section describes the physical connection to an Ethernet network. This step must be completed before the MobileView 3000 DVR can connect to the network. There are two basic types of connection:

## Direct PC Connection through Crossover Network Cable

The point-to-point connection of MobileView 3000 DVR and PC requires a crossover (crossed) network cable. This type of connection is ONLY used for direct connection to a single PC. Make sure that the PC is equipped with a 10/100 Mbps compatible network connection.

Figure 6: Direct PC Connection



## Final Installation Process

Once you have completed the basic wiring connections, you are ready to turn on the MobileView 3000 DVR. Simply plug in the power source. The power led will light up if power is normal. Once the system has finished loading, you can begin to set up the menu options for the MobileView 3000 DVR.

**Note:** When the MobileView 3000 DVR is placed in an environment where the temperature is under  $-0C^{\circ}$ , the MobileView 3000 DVR will NOT turn on immediately. The heater will heat up the MobileView 3000 DVR until the temperature reaches  $-0C^{\circ}$ . The MobileView 3000 DVR will only turn on when the temperature is above  $-0C^{\circ}$ .

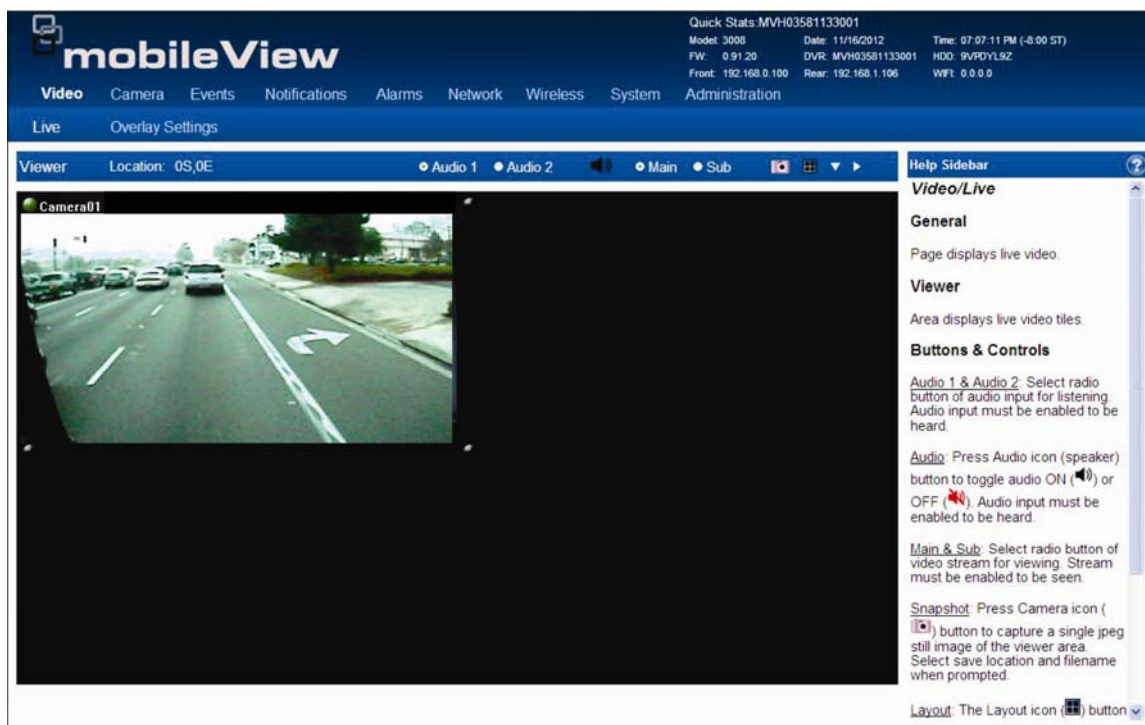
# Remote Operation from Browser

## Connecting to MobileView 3000

To access the DVR from a direct attached computer, perform the following steps.

1. Connect a network cable between the DVR front Ethernet port and computers wired Ethernet port
2. Set the computer IP address to the 192.168.0.x network
3. Open Internet Explorer 7, 8, or 9 (these are the only supported versions)
4. Set the URL to "192.168.0.100" and press ENTER
5. When prompted, enter credential information  
Default User: admin  
Default Pass: 11111111
6. Upon pressing enter, the DVR landing page showing live video will appear.

Figure 7: Main Page



## Main Home Page

The Main page provides access to the following configuration pages:

- Video
- Camera
- Events
- Notifications
- Alarms
- Network
- Wireless
- System
- Administration

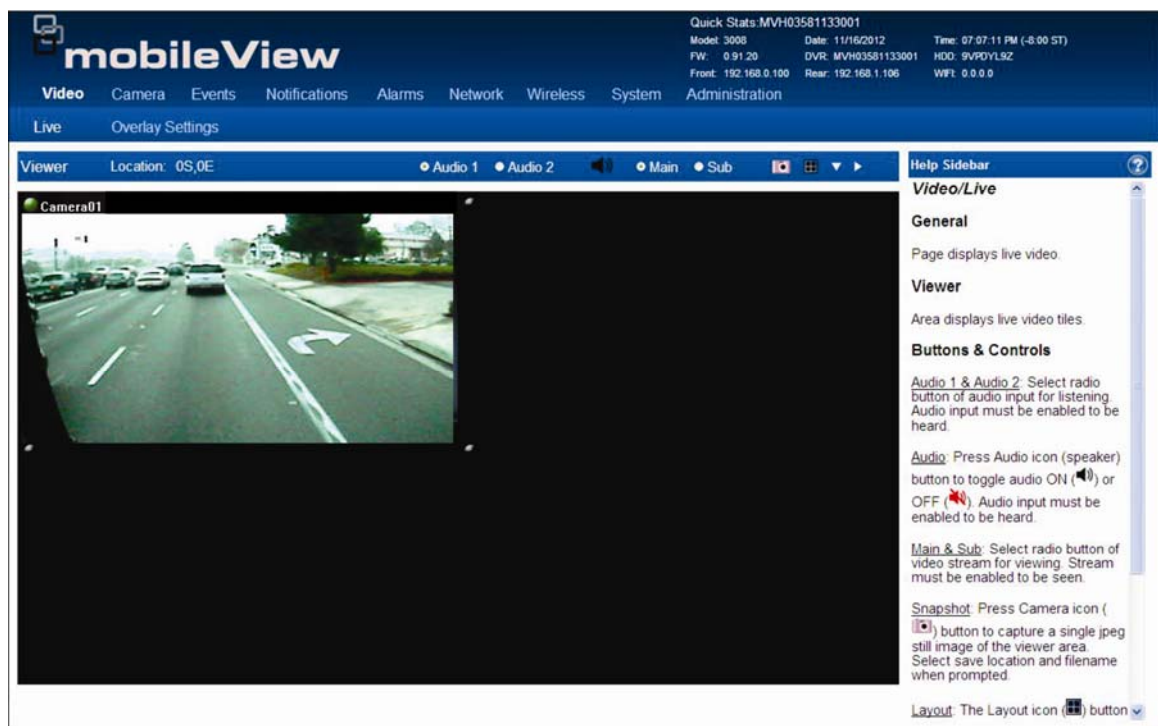
## Video Page

The Video page provides access to the following configuration pages:

- Live
- Overlay Settings

## Live Page

Figure 8: Live View Browser page



The following options are available on this page:

- Audio 1 & 2
- Audio
- Main & Sub
- Snapshot
- Layout
- Down Arrow
- Right Arrow

## Overlay Page

Figure 9: Overlay Browser page

Quick Stats: MVH03581133001  
 Model: 3008 Date: 11/16/2012 Time: 07:07:27 PM (-8:00 ST)  
 FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPDY19Z  
 Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

mobileView

Video Camera Events Notifications Alarms Network Wireless System Administration

Live Overlay Settings

Overlay Settings

Camera Name

Video Status

Time Stamp

Geolocation

Help Sidebar

Video / Overlay Settings

**General**

Page defines overlay settings on live and playback video tiles.

**Overlay Settings**

Camera Name: When checked, camera name is displayed in video tile.

Playback Date/Time: When checked, playback time is displayed in video tile.

Video Status: When checked, status indicators are shown in the upper left corner of each video tile.

Black – No Video Detected

Green – Normal Video

Blue – Video Loss

Red – Alarm/Event Video

Time Stamp: When checked, a permanent time stamp is written into the video data.

Geolocation: When checked, the GPS latitude and longitude values

Apply Cancel

The following options are available on this page:

- Camera Name
- Video Status
- Time Stamp
- Geoleocation

# Camera

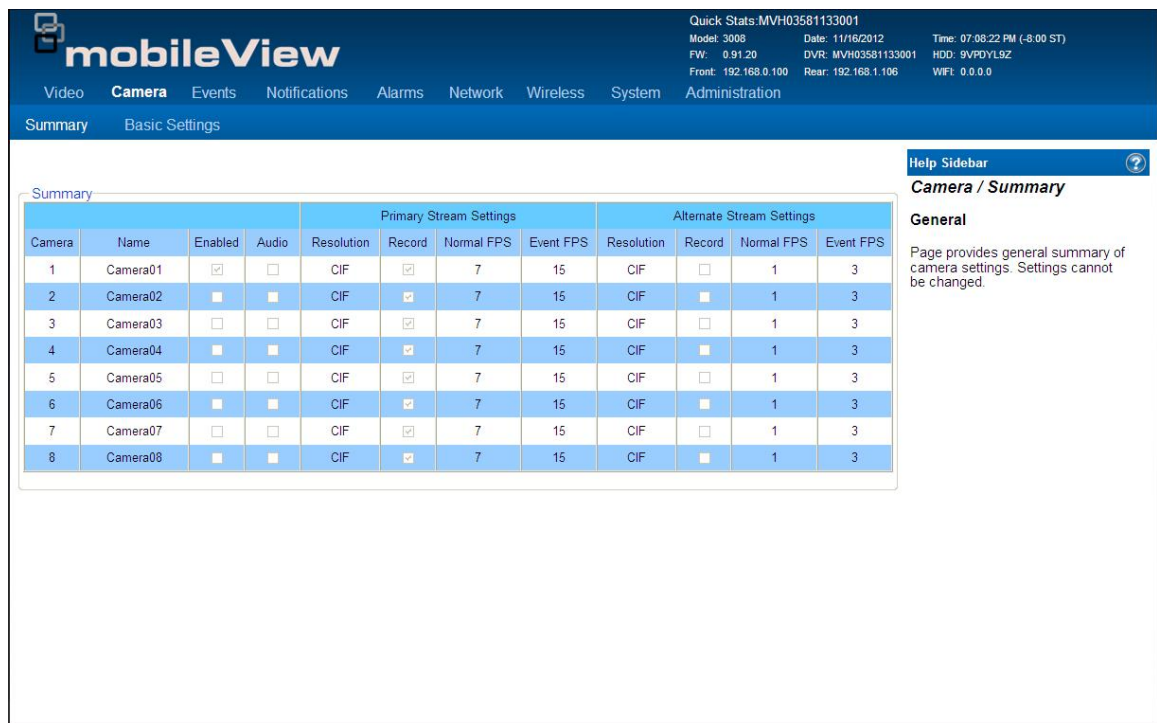
The Camera page provides access to the following configuration pages:

- Summary
- Basic Settings

## Camera/Summary Page

This page provides a general summary of the camera settings.

Figure 10: Camera Summary page



Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:08:22 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPDY1.9Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WIFI: 0.0.0.0

Video **Camera** Events Notifications Alarms Network Wireless System Administration

Summary Basic Settings

Summary

| Camera | Name     | Enabled                             | Audio                               | Primary Stream Settings |                                     |            | Alternate Stream Settings |            |                                     |            |           |
|--------|----------|-------------------------------------|-------------------------------------|-------------------------|-------------------------------------|------------|---------------------------|------------|-------------------------------------|------------|-----------|
|        |          |                                     |                                     | Resolution              | Record                              | Normal FPS | Event FPS                 | Resolution | Record                              | Normal FPS | Event FPS |
| 1      | Camera01 | <input checked="" type="checkbox"/> | <input type="checkbox"/>            | CIF                     | <input checked="" type="checkbox"/> | 7          | 15                        | CIF        | <input type="checkbox"/>            | 1          | 3         |
| 2      | Camera02 | <input type="checkbox"/>            | <input checked="" type="checkbox"/> | CIF                     | <input checked="" type="checkbox"/> | 7          | 15                        | CIF        | <input type="checkbox"/>            | 1          | 3         |
| 3      | Camera03 | <input type="checkbox"/>            | <input type="checkbox"/>            | CIF                     | <input checked="" type="checkbox"/> | 7          | 15                        | CIF        | <input type="checkbox"/>            | 1          | 3         |
| 4      | Camera04 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | CIF                     | <input checked="" type="checkbox"/> | 7          | 15                        | CIF        | <input checked="" type="checkbox"/> | 1          | 3         |
| 5      | Camera05 | <input type="checkbox"/>            | <input type="checkbox"/>            | CIF                     | <input checked="" type="checkbox"/> | 7          | 15                        | CIF        | <input type="checkbox"/>            | 1          | 3         |
| 6      | Camera06 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | CIF                     | <input checked="" type="checkbox"/> | 7          | 15                        | CIF        | <input checked="" type="checkbox"/> | 1          | 3         |
| 7      | Camera07 | <input type="checkbox"/>            | <input type="checkbox"/>            | CIF                     | <input checked="" type="checkbox"/> | 7          | 15                        | CIF        | <input type="checkbox"/>            | 1          | 3         |
| 8      | Camera08 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | CIF                     | <input checked="" type="checkbox"/> | 7          | 15                        | CIF        | <input checked="" type="checkbox"/> | 1          | 3         |

Help Sidebar ?

**Camera / Summary**

**General**

Page provides general summary of camera settings. Settings cannot be changed.

## Camera/Basic Settings Page

This page is used to configure the Cameras.

Figure 11: Camera/ Basic Settings page

The screenshot displays the MobileView 3000 web interface for configuring a camera. At the top, there is a navigation menu with options: Video, **Camera**, Events, Notifications, Alarms, Network, Wireless, System, and Administration. The 'Camera' section is active, showing 'Basic Settings'.

**Camera Settings:**

- Enabled
- Camera: 1 (dropdown)
- Name: Camera01 (text input)
- Record Audio:

**Recording Settings:**

|                  | Primary Stream                      | Alternate Stream         |
|------------------|-------------------------------------|--------------------------|
| Record Stream:   | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Resolution:      | CIF (dropdown)                      | CIF (dropdown)           |
| Framerate:       | 7 fps (dropdown)                    | 1 fps (dropdown)         |
| Alarm Framerate: | 15 fps (dropdown)                   | 3 fps (dropdown)         |

**Video Adjustment:**

- Brightness: 0 (slider)
- Contrast: 0 (slider)
- Color: 0 (slider)

**Copy settings to other cameras:**

1    2    3    4    5    6    7    8

Buttons: Select All, Clear, Apply, Cancel

**Help Sidebar:** Camera / Basic Settings

**General:** Page allows configuration of cameras.

**Camera Settings:** General settings for the defined camera channel

**Record Settings:** Defines video stream record settings for normal and alarm mode

**Video Adjustment:** Allows limited adjustment to recorded brightness, contrast, and color saturation settings

**Copy settings to other cameras:** Copies current camera settings to check boxed cameras

The following options are available on this page:

- Camera Settings
- Record Settings
- Video Adjustments
- Copy settings to other Cameras

## Events

The Events page provides access to the following configuration pages:

- Event Summary
- Configure Event

### Event Summary

This page provides a general summary of the Event Settings.

Figure 12: Events Summary page

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:09:25 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VDPYL9Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WIFI: 0.0.0.0

Video Camera **Events** Notifications Alarms Network Wireless System Administration

Event Summary Configure Event

Summary

| Event      | Enabled                             | Mask | delay | Input Trigger                    |                       |                       |                       | Output Actions           |                          |                                     |                          |
|------------|-------------------------------------|------|-------|----------------------------------|-----------------------|-----------------------|-----------------------|--------------------------|--------------------------|-------------------------------------|--------------------------|
|            |                                     |      |       | Input                            | Speed                 | Impact                | Accel                 | Relay                    | Camera                   | Video                               | Shutdown                 |
| Tag Button | <input checked="" type="checkbox"/> | 180  | 0     | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Help Sidebar

**Events / Event Summary**

**General**  
Page provides general summary of event settings. Settings cannot be changed.

**Buttons**  
Add Event: Button adds a new event configured with default values.

Add Event

The following options are available on this page:

- Add Event button: Click to add a new event configured with the default values.

### Configure Event

This page provides options for Event configuration.

Figure 13: Configure Events page

mobileView

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:09:41 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPDYL9Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

Video Camera **Events** Notifications Alarms Network Wireless System Administration

Event Summary **Configure Event**

**Alarm Event Identification**

Enabled

Event#

Event Name

Disable if active at startup

Trigger mask duration  Sec.

Trigger delay duration  Sec.

Event priority

**Event Trigger**

Input

Speed Above  mph

Impact

Acceleration

**Output Actions**

Create Protected Video

Precede\_Alarm Duration  Min.

Post\_Alarm Duration  Min.

Activate Alarm Framerate

Select Cameras

1  2  3  4  
 5  6  7  8

Enable Audio (System Wide)

Camera Call up

Mode  Sec.

Output Configuration

Cycle Display

MUX Display

Select Cameras

1  2  3  4  
 5  6  7  8

Activate Output

ALARMOUT01

ALARMOUT02

Mode  Sec.

Activate Buzzer

Mode  Sec.

Shutdown DVR

**Help Sidebar**

**Events / Configure Event**

**General**

Page allows configuration of events.

**Alarm Event Identification:**

General settings for the defined event

**Event Trigger:**

Defines the system action that activates event

*Note: Only one input trigger may be assigned to an event.*

**Output Actions:**

Defines reactions that occur when the event is activated

*Note: Multiple reactions may be assigned to an event.*

The following options are available on this page:

- Alarm Event Identification
- Event Trigger
- Output Actions
- Delete Event button
- Reset Event



# Notifications

The Notifications page provides access to the following configuration pages:

- System Alarms
- G Sensor

## System Alarms

This page displays a summary of system faults and sets notification actions.

Figure 14: System Alarms page

Quick Stats: MVH03581133001  
 Model: 3008 Date: 11/16/2012 Time: 07:06:22 PM (-5:00 ST)  
 FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPOYL9Z  
 Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

Video Camera Events **Notifications** Alarms Network Wireless System Administration

System Alarms G Sensor

| Alarm           | Current State | Buzzer                   | Fault LED                           | Relay1                   | Relay2                   | Relay Mode | Duration |
|-----------------|---------------|--------------------------|-------------------------------------|--------------------------|--------------------------|------------|----------|
| Video Loss      | N/A           | <input type="checkbox"/> | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Timeout    | Sec: 5   |
| Over/Under Temp | OK            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Timeout    | Sec: 5   |
| Storage         | OK            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Timeout    | Sec: 5   |
| Record Off      | OK            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Timeout    | Sec: 5   |
| Fan             | OK            | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Timeout    | Sec: 5   |

Alarms

**Help Sidebar** Notifications / Systems Alarms

**General**  
 Page shows summary of system faults and sets notification actions.

**Alarms:**  
 Table shows list of fault alarms and reactions when fault is active.

Video Loss: An enabled camera has no video

Over/Under Temp: Internal temperature exceeds limits

Storage: Media is not functioning or present

Record Off: System has stopped recording

Fan: Fan rotation is significantly impeded or stopped

**Output Actions:**  
 Check the box to select output reactions that occur when the alarm is faulted.

*Note: Multiple reactions may be*

Apply Cancel

## G Sensor

The G Sensor page configure system reactions when the recorder's onboard G Sensor determines forces that may exceed the operational parameters for rotational media.

Figure 15: G Sensor page

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 08:41:47 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPDY19Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

Video Camera Events **Notifications** Alarms Network Wireless System Administration

System Alarms G Sensor

G-Sensor

Enabled

G-Sensor Actions

Buzzer  
Mode: Timeout

Fault LED  
Mode: Timeout

Disable HDD  
Mode: Latched

Apply Cancel

Help Sidebar ?

**Notifications / G Sensor**

**General**

Page configures system reactions when the recorder's onboard G Sensor determines forces may exceed operational parameters for rotating media.

**G Sensor:**

Enable: Check the box to enable the internal G sensor module.

**G Sensor Actions:**

Check the box to select reactions that occur when G sensor activates. Reactions occur when G forces exceed operation parameters.

The following options are available on this page:

- G Sensor Enable
- Buzzer Mode
- Fault LED Mode
- Disable HDD Mode

# Alarms

The Alarms page provides access to the following configuration pages:

- Alarm Inputs
- Alarm Outputs
- Accelerometer

## Alarm Inputs

The page shows a summary of alarm input states and allows configuration of each Alarm's name and default state.

Figure 16: Alarms Inputs page

mobileView

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:10:13 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPPYL9Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

Video Camera Events Notifications **Alarms** Network Wireless System Administration

Alarm Inputs Alarm Outputs Accelerometer

Input Setup

|    | Input Name | Default State | Current State |
|----|------------|---------------|---------------|
| 1  | Tag Button | N/C           | Active        |
| 2  | ALARMIN02  | N/O           | Inactive      |
| 3  | ALARMIN03  | N/O           | Inactive      |
| 4  | ALARMIN04  | N/O           | Inactive      |
| 5  | ALARMIN05  | N/O           | Inactive      |
| 6  | ALARMIN06  | N/O           | Inactive      |
| 7  | ALARMIN07  | N/O           | Inactive      |
| 8  | ALARMIN08  | N/O           | Inactive      |
| 9  | ALARMIN09  | N/O           | Inactive      |
| 10 | ALARMIN10  | N/O           | Inactive      |
| 11 | ALARMIN11  | N/O           | Inactive      |
| 12 | ALARMIN12  | N/O           | Inactive      |

Help Sidebar ?

**Alarms / Alarm Inputs**

**General**

Page shows summary of alarm input states and allows configuration of each one's name and default state.

**Input Setup:**

**Input Name:** Input name (up to 16 alphanumeric characters)

**Default State:** Set the normal condition of the monitored item

**Current State:** Based on the default state, the indicator shows the current status of the monitored item

Inactive – Monitored item is in normal condition

Active – Monitored item is not in normal condition

Apply Cancel

The following Alarm Input options are available on this page:

- Input Name
- Default State
- Current State

## Alarm Outputs

This page shows a summary of relay output states and allows configuration of each Alarm Output's name and default state.

Figure 17: Alarm Output page

mobileView

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:10:49 PM (-5:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPOYL9Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

Video Camera Events Notifications **Alarms** Network Wireless System Administration

Alarm Inputs **Alarm Outputs** Accelerometer

Relay Setup

|   | Output Name | Current State |
|---|-------------|---------------|
| 1 | ALARMOUT01  | Inactive      |
| 2 | ALARMOUT02  | Inactive      |

Help Sidebar

**Alarms / Alarm Outputs**

**General**

Page shows summary of relay output states and allows configuration of each one's name and default state.

**Relay Setup:**

**Output Name:** Output name (up to 16 alphanumeric characters)

**Default State:** Set the normal condition of the relay

**Current State:** Based on the default state, the indicator shows the current status of the relay

Inactive – Relay is in normal condition

Active – Relay item is not in normal condition

Apply Cancel

The following options are available on this page:

- Input Name
- Default State
- Current State

## Accelerometer

This page defines the Accelerometer Alarms based on the force levels measured by the external accelerometer.

Figure 18: Accelerometer page

mobileView

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:13:13 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPOYL9Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

Video Camera Events Notifications **Alarms** Network Wireless System Administration

Alarm Inputs Alarm Outputs Accelerometer

Acceleration Alarms

| Alarm Name                | Event Trigger            | Fault LED                |
|---------------------------|--------------------------|--------------------------|
| Rabbit Start / Hard Brake | <input type="checkbox"/> | <input type="checkbox"/> |
| Swerve / Rapid Maneuver   | <input type="checkbox"/> | <input type="checkbox"/> |
| Hard Turn                 | <input type="checkbox"/> | <input type="checkbox"/> |

Help Sidebar

**Alarms / Accelerometer**

**General**

Page defines Acceleration Alarms based on force levels measured by the external accelerometer device.

**Acceleration Alarms**

Table provides the list of available acceleration alarms and output reactions.

Apply Cancel

The following options are available on this page:

- Alarm Name
- Event Trigger
- Fault LED

# Network

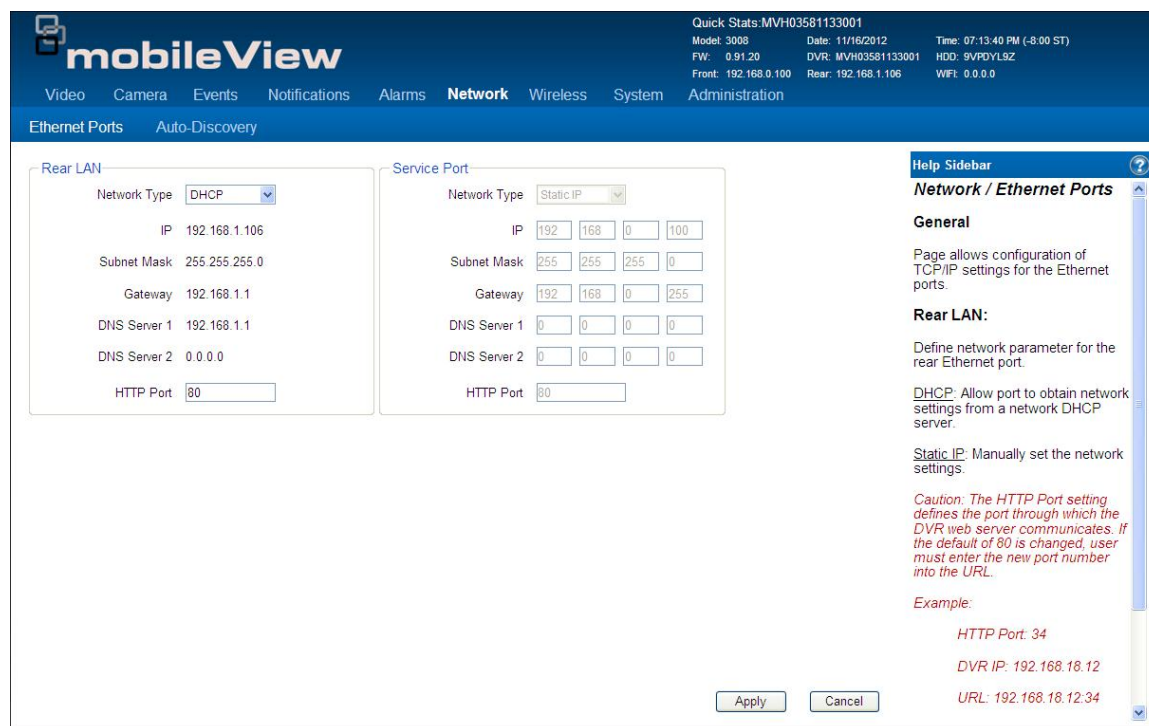
The Network page provides access to the following configuration pages:

- Ethernet Ports
- Auto Discovery

## Ethernet Ports

This page allows for the configuration of the TCP/IP settings for the Ethernet ports.

Figure 19: Ethernet Ports page



The following options are available on this page:

- Rear LAN
- Service Port

## Auto Discovery

This page provides the configuration of network device discovery parameters.

Figure 20: Auto-Discovery page

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:14:17 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPDYL9Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WIFI: 0.0.0.0

Video Camera Events Notifications Alarms **Network** Wireless System Administration

Ethernet Ports Auto-Discovery

Discovery Server

Server: IP

230 1 1 1

Port: 1601

Polling Time: 2 Sec

Discovery return address:  Wireless  Rear Ethernet

Apply Cancel

**Help Sidebar**  
**Network / Auto-Discovery**

**General**

Page allows configuration of network device discovery parameters. These are used by compatible head end software to discover when the device is online.

**Discovery Server:**

**Server:** Define how the DVR should find the discovery server.

IP – Enter the IP address of the server

Name – Enter the hostname of the server computer

**Port:** Define the port through which the discovery server communicates

**Discovery return address:** Define Ethernet address that will be used for discovery packets. Packets are transmitted out the selected ports.

*Note: The device determines whether to transmit discovery information over Unicast, Multicast, and Broadcast methods using standard IP address ranges.*

The following options are available on this page:

- Server type
- Port
- Discovery Return Address

# Wireless

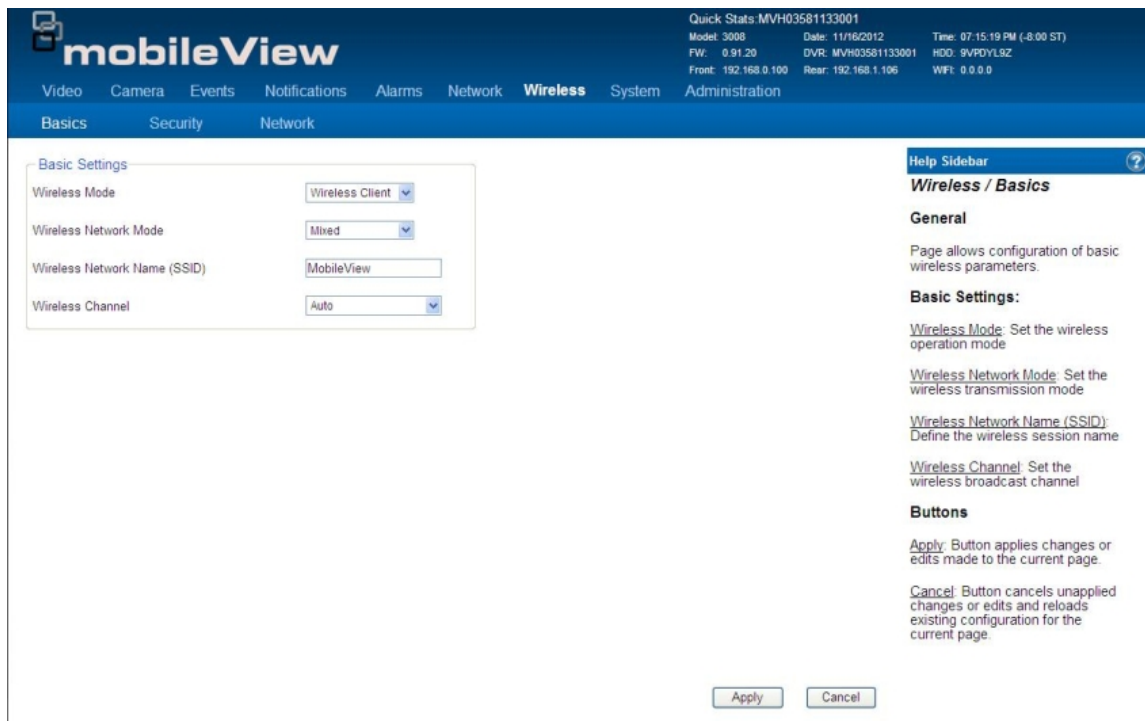
The Wireless page provides access to the following configuration pages:

- Basics
- Security
- Network

## Basics

The Wireless/Basics page provides for the configuration of the basic wireless parameters.

Figure 21: Wireless/Basics page



The following options are available on this page:

- Wireless Mode
- Wireless Network Mode
- Wireless Network Name (SSID)
- Wireless Channel



## Wireless/Security

This page provides the configuration of the security parameters for the wireless network

Figure 22: Wireless/Security page

The screenshot displays the MobileView web interface for configuring wireless security. The top navigation bar includes 'Video', 'Camera', 'Events', 'Notifications', 'Alarms', 'Network', 'Wireless', 'System', and 'Administration'. The 'Wireless' section is active, and the 'Security' sub-tab is selected. The configuration form contains the following fields:

- Security Mode: WPA2 Personal
- WPA Algorithms: AES
- Shared Key: Navigator (with an 'Unmask' checkbox)
- Network Type: Infrastructure

At the bottom of the form are 'Apply' and 'Cancel' buttons. A help sidebar on the right, titled 'Wireless / Security', provides the following information:

- General:** Page allows configuration of security parameters for the wireless network.
- Security:**
  - Security Mode: Set the wireless security mode
  - WPA Algorithms: Set the wireless encryption standard
  - Shared Key: Define the wireless network passkey/passcode
  - Network Type: Set the wireless network type
- Buttons:**
  - Apply: Button applies changes or edits made to the current page.
  - Cancel: Button cancels unapplied changes or edits and reloads existing configuration for the current page.

The following options are available on this page:

- Security Mode
- WPA Algorithms
- Shared Key
- Network Type

## Wireless/Network

This page provides configuration of the the wireless TCP/IP settings for the DVR.

Figure 23: Wireless/Network page

Quick Stats MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:19:21 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPOYL9Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

Video Camera Events Notifications Alarms Network **Wireless** System Administration

Basics Security Network

Network

Network Type: DHCP  
IP: 0.0.0.0  
Subnet Mask: 0.0.0.0  
Gateway: 0.0.0.0  
DNS Server 1: 0.0.0.0  
DNS Server 2: 0.0.0.0  
HTTP Port: 80

Apply Cancel

Help Sidebar  
**Wireless / Network**

**General**  
Page allows configuration of wireless TCP/IP settings for the DVR.

**Network:**  
DHCP: Allow port to obtain network settings from a network DHCP server.  
Static IP: Manually set the network settings.

*Caution: The HTTP Port setting defines the port through which the DVR web server communicates. If the default of 80 is changed, user must enter the new port number into the URL.*

*Example:*  
HTTP Port: 34  
DVR IP: 192.168.18.12  
URL: 192.168.18.12:34

**Buttons**  
Apply: Button applies changes or

The following Network options are available on this page:

- Network Type
- Network Settings
- HTTP Port

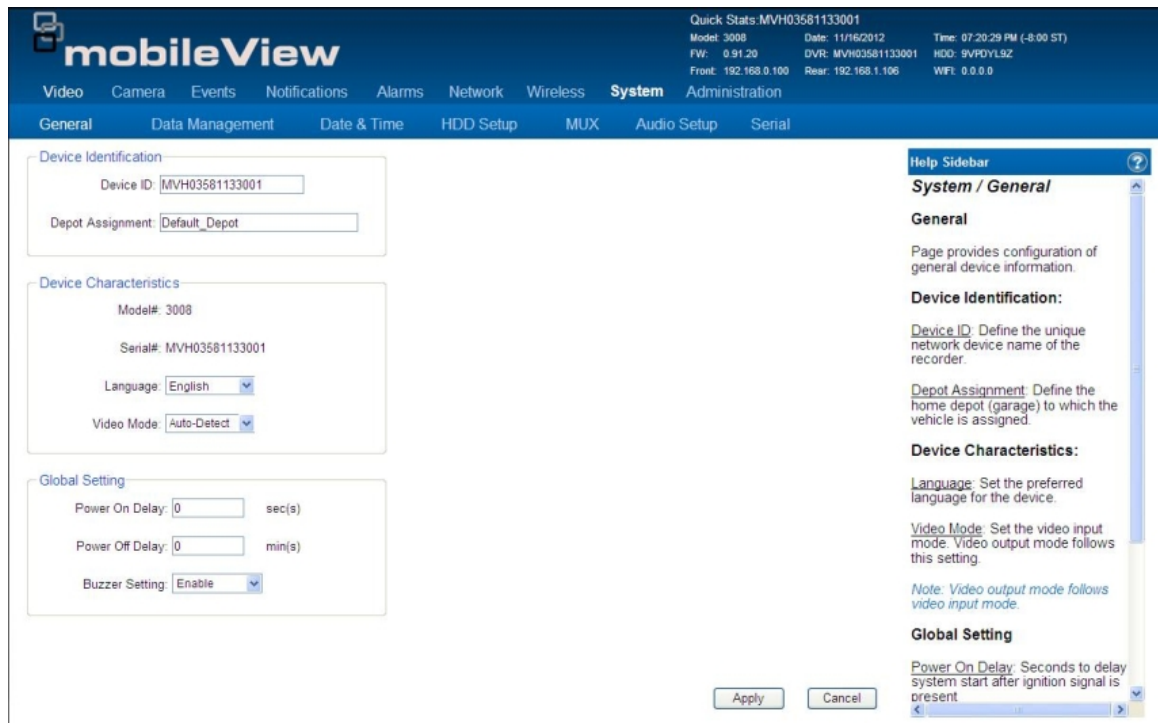
# System

The System page provides access to the following configuration pages:

- General
- Data Management
- Date & Time
- HDD Setup
- MUX
- Audio Setup
- Serial

## Syystem/General

Figure 24: System/General page



The following options are available on this page:

- Device Identification
- Device Characteristics
- Global Setting

## System/Data Management

Figure 25: Data Management page

mobileView

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:21:06 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VDPYL9Z  
Front: 192.168.0.100 Rear: 192.168.1.196 WFT: 0.0.0.0

Video Camera Events Notifications Alarms Network Wireless **System** Administration

General **Data Management** Date & Time HDD Setup MUX Audio Setup Serial

Data Management

Record Overwrite

Surveillance Video Retention Days  (0-Off)

Protected Video Retention Days  (0-Off)

Set overwrite before expiration as fault

Bandwidth Limit  KBps

Apply Cancel

Help Sidebar

**System / Data Management**

**General**

Page determines how data stored on media is handled.

**Device Identification:**

Record Overwrite: Check the box to use FIFO storage; uncheck box to write to disk once and then stop.

Surveillance Video Retention Days: Define minimum age of general surveillance data before it is overwritten. (1-120 Days, 0=Disabled)

Protected Video Retention Days: Define minimum age of protected surveillance data before it is overwritten. (1-120 Days, 0=Disabled)

Set overwrite before expiration as fault: Check the box to activate the fault LED when surveillance or protected video is overwritten before expiration of the defined lifetime.

Bandwidth Limit: Set the maximum bandwidth allowed over a network connection.

The following options are available on this page:

- Record Overwrite
- Surveillance Video Retention Days
- Protected Video Retention Days
- Set Overwrite
- Bandwidth Limit

## System/Date & Time

Figure 26: Date & Time page

mobileView

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:21:33 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPOYL9Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WFI: 0.0.0.0

Video Camera Events Notifications Alarms Network Wireless **System** Administration

General Data Management **Date & Time** HDD Setup MUX Audio Setup Serial

Time Sync Settings

Time Synchronization: OFF - Manual Update

NTP Update Interval: Daily

NTP Server: time.nist.gov

Date/Time

TimeZone: GMT-08:00 Date: 11/16/2012

Date Format: mm/dd/yyyy Time: 07:21:32 PM

Time Format: 12H

Daylight Saving

Daylight Sav.

Start Date: Mar 2nd Sunday

Start Time (hh:mm): 02:00 AM

End Date: Nov 1st Sunday

End Time (hh:mm): 02:00 AM

Apply Cancel

Help Sidebar

**System / Date & Time**

**General**

Page sets system date, time, and synchronization parameters.

**Time Sync Settings:**

Configure how the system synchronizes time.

**Date/time:**

Group box allows user to configure how time & date information is displayed and allows setting of time when synchronization method is set to Off/Manual.

**Daylight Savings:**

Configure whether daylight savings time is enabled and what parameters apply.

The following options are available on this page:

- Time Sync Settings
- Date & Time
- Daylight Saving

## System/HDD Setup

Figure 27: HDD Setup page

mobileView

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/18/2012 Time: 07:22:03 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VFDV19Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

Video Camera Events Notifications Alarms Network Wireless **System** Administration

General Data Management Date & Time **HDD Setup** MUX Audio Setup Serial

HDD Health

|                   |             |
|-------------------|-------------|
| Disk              | 1           |
| Health Status     | OK          |
| Disk Temperature  | 33 C / 91 F |
| Disk Size (Total) | 1000.2 GB   |
| Disk Size (Usage) | 14.1 GB     |

Help Sidebar  
**System / HDD Setup**

**General**  
Page provides health information for attached SATA media assets.

**Disk:**  
Select the disk from which to review health information.

The following options are available on this page:

- Disk Number
- Health Status
- Disk Temperature
- Disk Size (Total)
- Disk Size (Usage)

## System/MUX

Figure 28: MUX page

The screenshot displays the MobileView 3000 web interface. At the top, the 'mobileView' logo is on the left, and system statistics (Quick Stats) are on the right, including Model, Date, Time, FW, DVR, HDD, Front, Rear, and WiFi. A navigation menu below the logo includes Video, Camera, Events, Notifications, Alarms, Network, Wireless, System (highlighted), and Administration. Under 'System', sub-menus include General, Data Management, Date & Time, HDD Setup, MUX (highlighted), Audio Setup, and Serial.

The main content area is titled 'MUX Setup' and contains the following controls:

- Display Mode: A dropdown menu set to '1-UP'.
- Resting Camera: A dropdown menu set to 'Camera01'.
- Cycle Mode: A checked checkbox.
- Dwell Time: A text input field containing '5' followed by a 'S' for seconds.

At the bottom of the MUX Setup area are 'Apply' and 'Cancel' buttons.

On the right side, a 'Help Sidebar' is visible, titled 'System / MUX'. It contains a 'General' section with a description of the page's purpose, a 'MUX Setup:' section with detailed instructions for 'Display Mode', 'Resting Camera', 'Cycle Mode', and 'Dwell Time', and a 'Buttons' section at the bottom.

The following options are available on this page:

- Display Mode
- Resting Camera
- Cycle Mode
- Dwell Time

## System/Audio Setup

Figure 29: Audio Setup page

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:23:10 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPOYL9Z  
Front: 192.168.0.100 Rear: 192.168.1.196 WiFi: 0.0.0.0

Video Camera Events Notifications Alarms Network Wireless **System** Administration

General Data Management Date & Time HDD Setup MUX **Audio Setup** Serial

**Audio Input**

Enabled

| Audio Input | Input Name | Record Channel                      | Audio Level |
|-------------|------------|-------------------------------------|-------------|
| 1           | AUDIO01    | <input checked="" type="checkbox"/> | 0           |
| 2           | AUDIO02    | <input checked="" type="checkbox"/> | 0           |

**Audio Output**

Send Audio Input to Output

| Audio Input | Play on Output                   |
|-------------|----------------------------------|
| 1           | <input checked="" type="radio"/> |
| 2           | <input type="radio"/>            |

**Help Sidebar**

**System / Audio Setup**

**General**

Page configures system audio recording and output capabilities.

**Audio Input:**

**Enabled:** Check the box to enable recording of selected 'Record Audio' channels.

**Input Name:** Audio channel name (up to 16 alphanumeric characters).

**Record Channel:** Check the box allow audio recording from the selected channel. Audio will only record if the enabled checkbox is also selected.

**Audio Level:** Adjust audio attenuation (negative) or gain (positive) by entering an integer value in the box, or pulling the slider to the left (attenuation) or right (gain). Valid values are -7 to 7.

**Audio Output:**

**Send Audio Input to Output:** Check the box to direct the selected audio input channel to the audio output.

Apply Cancel

The following options are available on this page:

- Audio Input
- Audio Output



## System/Serial

Figure 30: System Serial page

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:23:44 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VFDV19Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

Video Camera Events Notifications Alarms Network Wireless **System** Administration

General Data Management Date & Time HDD Setup MUX Audio Setup Serial

**COM2**  
Baud Rate: 9600  
Data Bit: 8  
Stop Bit: 1  
Parity: None

**COM3/RS485**  
Baud Rate: 9600  
Data Bit: 8  
Stop Bit: 1  
Parity: None  
Node ID: 0

**GPS**  
Baud Rate: 4800  
Data Bit: 8  
Stop Bit: 1  
Parity: None

**Help Sidebar**  
**System / Serial**  
**General**  
Page provides configuration parameters for device serial ports. Ports have been provided to accommodate current and future peripheral devices. Not all ports may have a defined usage.  
**COM2:**  
This serial port is for future use.  
**COM3/RS485:**  
This serial port is for future use.  
**GPS:**  
This serial port is dedicated for connection to the MobileView 3000 Series GPS antenna module. Unless directed otherwise, default values should be used.  
Caution: Unless GPS module documentation directs otherwise, use port settings shown below.  
Baud Rate: 4800  
Data Bit: 8

Apply Cancel

The following options are available on this page:

- COM2 Settings
- COM3/RS485 Settings
- GPS

# Administration

The Administration page provides access to the following configuration pages:

- User
- Logging
- Config
- Firmware

## Administration/User

Figure 31: User page

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:26:48 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VPOYL9Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

Video Camera Events Notifications Alarms Network Wireless System **Administration**

User Logging Config Firmware

| User Name | Level    | Status |
|-----------|----------|--------|
| 1 admin   | Admin    | Enable |
| 2 user1   | Manager  | Enable |
| 3 user2   | Operator | Enable |

Add Edit Delete

Apply Cancel

**Help Sidebar**  
**Administration / User**

**General**  
This page provides user account management to the device.

**User:**  
This section allows add, edit, and deletion of user accounts authorized to access the recorder. There are three levels of user account.

Admin – Full access to device, all pages, menus, and configurations

Manager – Access to Administration tabs is restricted, full access to other pages

Operator – Access to Video Live & Playback tabs only, other access is restricted

*Note: The user account name "admin" may not be deleted.*

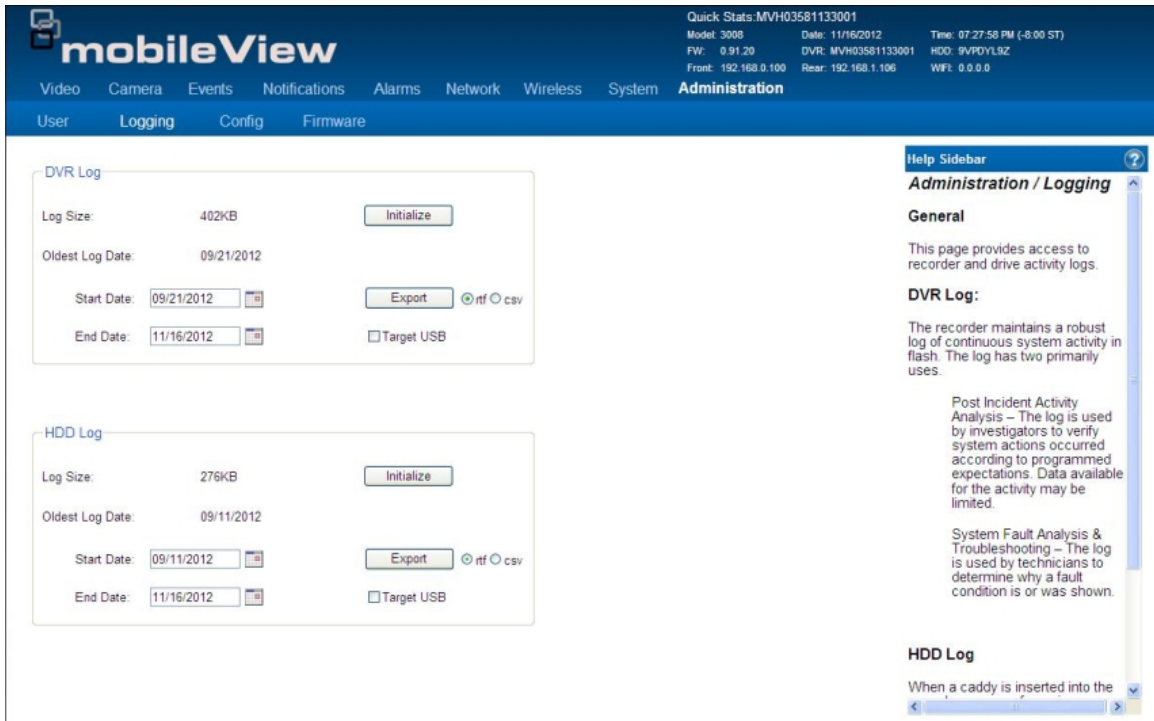
**Buttons**  
Add: Button opens a dialog that allows adding a new user account

The following options are available on this page:

- Add User
- Edit User
- Delete User

# Administration/Logging

Figure 32: Logging page



The following options are available on this page:

- DVR Log
- HDD Log

## Adminstration/Config

Figure 33: Config page

mobileView

Quick Stats: MVH03581133001  
Model: 3008 Date: 11/16/2012 Time: 07:28:39 PM (-8:00 ST)  
FW: 0.91.20 DVR: MVH03581133001 HDD: 9VFDV19Z  
Front: 192.168.0.100 Rear: 192.168.1.106 WiFi: 0.0.0.0

Video Camera Events Notifications Alarms Network Wireless System Administration

User Logging Config Firmware

Defaults

Load Factory Default

Config From File

Load From File

Target USB

Config To File

Save To File   Target USB

Manual Reboot

Remote Reboot

Help Sidebar

Administration / Config

General

This page is used to manage recorder configurations.

Defaults:

Use this section to restore the DVR to factory default configuration.

*Note: This process does not change rear Ethernet port settings or initialize log files.*

Config From/To File:

Use these sections to load or save a recorder configuration file. The device may reboot upon completion of the load process

Target USB – Check the box to transfer the config file from recorder USB port

*Note: Config file must have use the proper filename to load from USB.*

Manual Reboot:

Use manual reboot to restart the

The following options are available on this page:

- Defaults
- Config from File
- Config to File
- Manual Reboot

## Adminstration/Firmware

Figure 34: Firmware page

The screenshot displays the MobileView web interface for firmware management. At the top, the 'mobileView' logo is on the left, and system statistics (Quick Stats) are on the right. A navigation menu includes Video, Camera, Events, Notifications, Alarms, Network, Wireless, System, and Administration. The Administration menu is expanded to show User, Logging, Config, and Firmware. The Firmware page features a 'Firmware' section with a 'Current Firmware Version' of 0.91.20. Below this is a 'Firmware Upgrade' section containing a file input field with a 'Browse...' button, an 'UPGRADE' button, and a checkbox labeled 'Target USB'. A right-hand sidebar titled 'Help Sidebar' contains a 'General' section explaining the page's purpose, a 'Firmware:' section with detailed instructions and a note about filenames, and a 'Buttons' section defining the 'Browse' button.

The following options are available on this page:

- Current Firmware
- Load Upgrade File
- Upgrade button

# Support

## Contacting support

For help installing, operating, maintaining, and troubleshooting this product, refer to this document and any other documentation provided. If you still have questions, contact us during business hours (Monday through Friday, excluding holidays).

### Technical support

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#### Europe, Middle East, and Africa

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W Select Customer Support at <http://www.utcssecurityproducts.eu/support.htm>

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#### North America

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Should you require technical assistance or support on the MobileView 3000, please contact your Interlogix reseller. If your questions cannot be answered immediately, your reseller will forward your inquiries to the appropriate Interlogix technical support teams to ensure a rapid response.

Additionally, you can visit our website [www.interlogix.com/customer-support](http://www.interlogix.com/customer-support) for additional information about our products and services.

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#### Australia

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E [security.tech.support@fs.utc.com](mailto:security.tech.support@fs.utc.com)

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#### Latin America

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F 1 305.593.4300

E [InfraSec.TechnicalServicesLatinAmerica@ge.com](mailto:InfraSec.TechnicalServicesLatinAmerica@ge.com)

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#### China

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E [ts.cn@fs.utc.com](mailto:ts.cn@fs.utc.com)

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#### India, Singapore, Taiwan, Southeast Asia

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