

# Digital Mobile Surveillance System

Control Dahua Devices and View Live or Recorded Video



- Multiple Live Preview Channels (up to 16 displays)
- Multiple Channel Playback (up to 4 Channels)
- Fast, Slow, and By Frame Modes for Video Playback
- Local Snapshots and Recording Stored Locally
- Memory Play Automatically displays the last video played in Live View
- Alarm Message Subscription and Alarm Events Pushed to APP
- Alarm Output Control with Alarm Message Subscription
- Review Local and Cloud Messages
- Stores up to Seven (7) Days of Messages
- Configure Resolution, Frame Rate and Other Video Parameters for each Device

## System Overview

DMSS is a mobile surveillance application that includes alarm push functions and P2P discovery. The application is available for IOS devices (in the Apple App Store) and for Android devices (in the Google Play Store). DMSS offers an easy to use interface to quickly add Dahua devices, including network cameras, NVRs, HDCVI DVRs, Video Intercom, and alarms. The app also offers extended professional functions for these devices, such as Fisheye dewarping, pan/tilt/zoom control, and wiper activation.

End-users can stream video in 3G, 4G, or Wi-Fi network platforms, where they can add and manage devices, watch live video, control the pan/tilt/zoom motion of cameras, playback video, and acknowledge alarms. DMSS also integrates with Dahua Video Intercom (VTO) devices so you can talk to visitors and unlock doors if the visitor is approved.

## Key Functions

### Configuration

DMSS makes it easy to add devices to the management interface. The application offers device search and batch add functionality to quickly add devices on a network. Simply scan a device's QR code or device card to automatically add to the interface. Additionally, you can search for devices by IP/Domain or perform an online search.

Once added, DMSS provides an interface to configure the network parameters, camera video and audio settings, and live and playback display options. DMSS allows setting device configuration parameters, alarm output, manage hardware settings and linked accessories.

### Fisheye Camera Support

DMSS features full support for Dahua Fisheye cameras. The software supports options for the Fisheye camera installation and dewarping modes. Dewarping solves the problem of distortion in the circular panoramic view in both live or playback modes.

### Video Intercom Control

DMSS supports configuration and management of video intercom devices directly from the user interface. The app allows a user to view live video from, unlock an entrance, and perform two-way talk with visitors.

### Alarm Management

DMSS offers the ability to configure alarms on connected devices, including alarms triggered by IVS rules, thermal imaging, motion detect, camera masking, lost focus, face detection, audio detection, and others. In addition, the app initiates one of these actions when it receives an alarm: switch to live video, record the video from the device pushing the alarm, or take a snapshot of the image that triggered an alarm.

### Enhanced Live View

DMSS supports multiple channel monitoring with up to 16 panes visible at one time. From the Live View, DMSS offers instant playback, supports local snapshot and recording, and stores locally the corresponding files.

### Multi-language On-screen Display

The OSD menu provides supports 24 languages and allows multiple image adjustments and function settings to meet the requirements of different monitoring scenes.

### Secure Operation

DMSS requires each user to set a secure password prior to accessing the DMSS interface, adding devices, and viewing video. DMSS can assist with password reset, making it easier to change passwords for added security. DMSS also encrypts all data stored in a database on the mobile phone. Finally, DMSS employs the Hyper Text Transfer Protocol over Secure Socket (HTTPS) layer, an internet communication protocol that protects the integrity and confidentiality of data sent over a network.

## Technical Specification

### Installation Requirements

Mobile Operating System	IOS: version 9.0 or higher Android: version 5.0 or higher
Language Support	Chinese, English, French, Japanese, Spanish, Thai, and more.

### Device Support

Supported Dahua Devices	Network Camera (fixed and PTZ) LincX2Pro Devices HDCVI DVR NVR Video Intercom (VTO) Access Control
Video Compression	H.265, H.264, MPEG-4, JPEG, SVAC

### Live View

Video Display Split	Up to 16
Maximum Preview Screens	Four (4)
Maximum Views	256
Display Resolution	up to 4000 x 3000
Features	SD/HD Mode Switch, Audio, Window Split, Talk, Record, Snapshot, E-PTZ, Fisheye Dewarp, Rain Wiper, Siren, White LED
PTZ	Control PTZ Cameras

### Playback

Maximum Channels	Up to 4
Features	Snapshot, E-PTZ, Audio, Speed (1/8x to 8x) Synchronized Playback, Fisheye Dewarp, IVS, Faster/Slower Play, Optional Video Scale

### Advanced Functions

Push Notifications	Devices linked to an account are synchronized to any DMSS app with the same account and push notification to the smartphone even if DMSS is not running.
Cloud Update	User initiates DMSS to perform firmware updates for specific devices via the Cloud.
Device Sharing	Devices can be shared across multiple DMSS accounts.

## Functionality

User Management	Add different Devices to Individual Account logins. Assign devices to specific users for added privacy and management, if the DMSS is shared.
Devices	<ul style="list-style-type: none"> <li>Add single or multiple devices via AutoSearch</li> <li>Configure and operate devices</li> </ul>
Live View	<ul style="list-style-type: none"> <li>View live video</li> <li>Record to a local device</li> <li>Configure and control device</li> </ul>
Playback	<ul style="list-style-type: none"> <li>View video from a local or external storage device</li> <li>Export video</li> </ul>
Device Configuration	<ul style="list-style-type: none"> <li>Update device firmware</li> <li>Configure camera, network, PTZ, and storage settings</li> </ul>
Alarms	<p>The alarm is triggered when a rule is violated:</p> <ul style="list-style-type: none"> <li>Intrusion</li> <li>Tripwire</li> <li>Abandoned Object</li> <li>Thermal Imaging ( fire alarm, temperature difference alarm, and hotspot warning)</li> <li>Motion Detection</li> <li>Camera Masking</li> <li>Camera Focus Lost</li> <li>Human Face</li> <li>Audio Detection</li> <li>HDD Alarm when there is no disk, disk is full, or disk error</li> <li>Voltage Detection</li> <li>Network Offline</li> <li>Sensor Alarm</li> <li>Battery Alarm</li> </ul>
Access Control	<ul style="list-style-type: none"> <li>User Management</li> <li>Permission Functionality</li> <li>Rules Configuration</li> <li>Event Configuration</li> <li>Log Review</li> </ul>
Video Intercom	<ul style="list-style-type: none"> <li>Add and modify information of video intercoms such device name, username, and password</li> <li>View live video, answer calls, two-way talk, unlock doors</li> </ul>
Security Functions	<ul style="list-style-type: none"> <li>Must set password prior to accessing DMSS functions.</li> <li>Reset password via DMSS.</li> <li>Data is encrypted in a database stored on the mobile phone.</li> <li>DMSS uses Hyper Text Transfer Protocol over Secure (HTTPS) Socket Layer.</li> </ul>