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Wireless Mobile Video Solutions

Infodraw PMRS-201 Mobile Video Recorder and Transmitter

Overview

PMRS-201 is a compact media system for recording and streaming from up to 2 analog video input channels using a single SIM card. It can record on a micro-SD card. It can stream video, audio and location live from a moving vehicle.

Key Features

- Cellular communications: GSM, EDGE, UMTS, HSPA, LTE.
- Plastic or metal case option.
- Small form factor: 5 X 10 X 3 cm
- 2 analog video inputs up to D1 resolution.
- 1 audio input channel.
- 1 audio output channel.
- Dual encoding capability - recording and streaming.
- Recording on a micro-SD card and/or on the monitoring application.
- PTZ control using RS-485.
- Optional network Encryption.
- GNSS receiver: GPS and GLONASS.
- Accelerometer.
- Optional configuration using Bluetooth.
- Unit power-up upon 12v trigger, predefined timer or acceleration event.
- Monitoring video, audio and location over a geographic map.
- Tracking location history.
- Automatic transmission rates tuning.
- Alarm push button.
- Visual motion detection.
- SMS send upon events.
- Battery for up to 3 hours of operation.
- Power input 5-15V
- Web streaming using flash client.
- Setting different device control levels to different users.
- Remote firmware upgrade.
- Ethernet interface.
- Supports iPhone and Android smartphone clients.
- MRS single server, multiple units, multiple monitors architecture.



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Technical Specifications

Video		
Video Input	2.5 mm 2 video/power 5v plug	PAL/NTSC
Video compression	H.264 single or dual encoding	
Bit rate	From 10kbs to 2Mbps	
Frame rate	Up to a total of 30 fps.	
PTZ Control	Built-in RS-485 (T+, T-)	
Audio		
Audio Input	Internal or external microphone	
Audio output	HP out	
Audio compression	AAC	
GSM		
GSM	Internal, requires a SIM card	EDGE, UMTS, HSPA, LTE
Antenna	External, provided	
Bandwidth control	Automatic	
SIM card	Internal, not provided	
GPS		
GPS	Internal	Updated every second.
Antenna	External, provided	
Alarm Button		
Push button	On the side	
Memory		
Micro SD	Not provided.	FAT32 format.
Accelerometer		
3 AXIS accelerometer	3 axis accelerometer	
I/O		
2 Input/2 output	Through cable interface	Dry contact
Power		
Power Input	5-15V	AC/DC to 5V adapters
Power consumption	500mA to 1A while streaming + 1A charging.	
Battery Lithium	3800 mAh, up to 3 hours of operation.	
Power output	Do not use.	
Environment		
Temperature	-10 to +60 c	
Physical		
Dimension	5 x 10 x 3.5 cm	Metal case
Weight	170 gr	
Other Interfaces		
Bluetooth	Internal.	For Setup
USB client	Standard USB cable, provided.	For Setup
video/audio/power cable	Splitter cable with RCA, audio, 5V power	
LAN	Special Ethernet cable provided.	

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PMRS-201 System Advantages:

- Compact unit.
- MRS server architecture.
- Designed to handle changing bandwidth and packet delivery failure.
- Low latency.

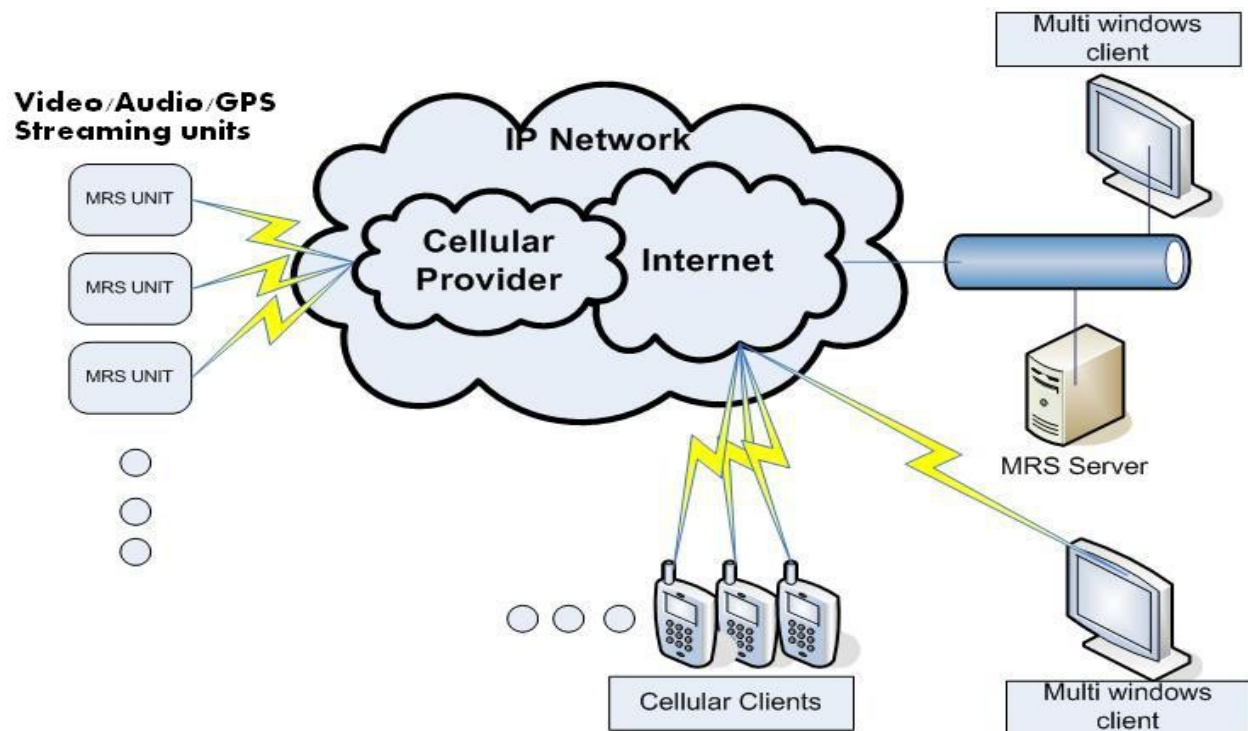


Figure 1- MRS System Architecture

