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Wireless Mobile Video Solutions

Infodraw MRS-400 Media Relay System Product Specification

Overview

MRS-400 is a smart multimedia streaming system from the field over cellular network. It allows to stream video/audio/location **live** and monitoring anywhere upon alarm/request.

Key Features

- Real embedded system (design for wireless networks)
- Live video/audio/location streaming (low latency)
- Built-in cellular module (need only SIM)
- High performance DSP based CODEC (H.264)
- 1-4 Analog video input
- 1-4 video over IP
- 1 audio in/out over IP
- Built-in GPS receiver
- Monitoring video/voice and location over map
- Tracking history over map
- Bit rate/Frame rate remote control
- Automatic bandwidth control
- Built-in lithium battery (3.5 hours)
- Local recording on flash media
- Recording on remote monitoring
- Web client using flash client
- Phone/PDA clients
- Permission capability for different access level
- Version upgrade on the fly
- Small form factor
- No moving parts
- iPhone, Android and other phone clients



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Technical Specifications

Video Input 1-4 BNC	Video		
Wideo compression Bit rate From 10kbs to 2Mbs From 10kbs to 2Mbs Frame rate Up to 25/30 PTZ Control Built-in RS-485 (T+, T-) Audio Audio Input Built-in microphone or Line in Audio compression AAC GSM GSM GSM/CDMA Built-in (need only SIM) Bandwidth control Bandwidth control GPS GPS Built-in		1-4 BNC	PAL/NTSC
Bit rate From 10kbs to 2Mbs Frame rate Up to 25/30 PTZ Control Built-n RS-485 (T+, T-) Audio Audio Input Line out Audio compression AC GSM GSM GSM/CDMA Built-in (need only SIM) HSPA/3G/EDGE/GPRS Antenna External SMA Antenna Bandwidth control Automatic GPS GPS GPS Built-in Update every few seconds Antenna External SMA Antenna Screen Oled Built-in Status, channel view Memory Micro SD Slot (Bit rate based on micro SD write speed) I/O 4 Input/4 output Built-in (Terminal block) Dry contact Power Power Input SV Power output SU Power Very Subman Sullt-in (Terminal block) Dry contact Power output SV Moma While streaming Battery Lithium Built-in 4000 mAh (about 3.5 hours) Through terminal block Environment Temperature Input -10 +60 Physical Dimension 9 x 15 x 3 cm Weight 300 gr Other Interfaces USB client Built-in For Setup USB client Built-in For Setup USB client Built-in For Setup Protocols			
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USB Host Built-n Other external peripherals Protocols	USB client	Built-in	For Setup
peripherals Protocols	USB Host		
	Protocols		
	RTP/RTSP/SDP		

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MRS System Advantages:

- MRS architecture is based on MRS server
- Units can stream with the highest bandwidth exist regardless number of clients
- System design for low bandwidth and packet delivery failure
- Automatic bandwidth control by the units
- Multi clients to multi units communication using the server
- Only MRS server must have fix IP address
- Live video, voice and location over map are combine together in one monitoring application
- Built-in cellular module (need only SIM)
- Small form factor

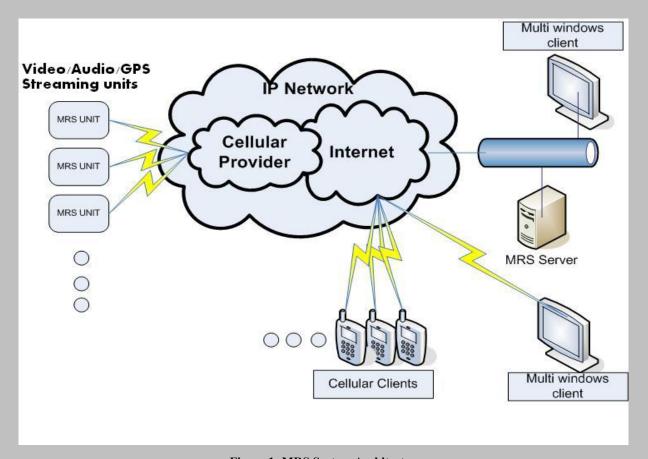


Figure 1- MRS System Architecture