

InfoDraw

Wireless Mobile Video Solutions

Infodraw WMRS-102 WI-FI Media Relay System Product Specification

Overview

WMRS-100 is a smart, small, handheld, wearable streaming media system over WI-FI network. It allows to stream video/audio live and **monitoring** video, audio upon alarm/request.

Key Features

- **Handheld, wearable small form factor**
- Real embedded system (design for cellular network)
- WI-FI network supports 802.11 B/G/N
- Live **video/audio** streaming (low latency)
- **Dual encoding (recording and streaming)**
- High performance DSP based CODEC (H.264)
- **Security RSA 1024 + live Encryption**
- 1 Analog video input CIF/D1
- 1 video over IP
- 1 audio over IP (2 ways)
- Monitoring video/voice
- Bit rate/Frame rate remote control
- Automatic bandwidth control
- Alarm push button
- Motion detection
- **Built-in lithium battery** 4000mA (5 hours streaming)
- Very low power 0.5 Amp while streaming (5v)
- **Schedule operation with micro Amp power**
- Built-in 5v output to camera
- **Local recording on flash media micro SD (SDHC)**
- Recording on remote monitoring
- Web streaming using flash client
- Permission capability for different access level
- Upgrade firmware on the fly
- Small form factor
- Support **iPhone** and **Android** phone clients



InfoDraw

Wireless Mobile Video Solutions

Technical Specifications

Video		
Video Input	2.5 mm video/audio/power 5v plug	PAL/NTSC (BNC Adapter)
Video compression	H.264 Dual encoding (streaming/recording)	Up to D1
Bit rate	From 10kbs to 2Mbps	
Frame rate	Up to 25/30	
PTZ Control	Built-in RS-485 (T+, T-)	
Audio		
Audio Input	Built-in microphone or Line in	
Audio output	Line out	
Audio compression	AAC	
WI-FI		
WI-FI	802.11 b/g/n WEP/WPA2	
Antenna	external	
Bandwidth control	Automatic	
Alarm Button		
Push button	On surface	
Memory		
Micro SD	Slot (max bit rate according to micro SD write speed)	Up to 32g
I/O		
4 Input/4 output	Built-in Through cable interface	Dry contact
Power		
Power Input	5V (12v/24v to 5v adapter)	AC/DC to 5V adapters
Power consumption	500mA while streaming	
Battery Lithium	Built-in 4000 mAh (5 hours streaming)	
Power output	5v output to camera	
Environment		
Temperature Input	-10 +70	
Physical		
Dimension	5 x 10 x 2.8 cm	
Weight	130 gr	
Other Interfaces		
USB client	Built-in	For Setup
RS-485 for PTZ	Pelco D	
video/audio/power cable	Splitter cable with RCA, audio, 5V power	
Audio in/out mic cable		
LAN	10/100 Built-in Through cable interface	
External HD through LAN		
Protocols		
RTP/RTSP/SDP		

InfoDraw

Wireless Mobile Video Solutions

WMRS System Advantages:

- Handheld, wearable small form factor
- MRS architecture is based on MRS server
- Units can stream with the highest bandwidth exist regardless number of clients
- Automatic bandwidth control by the units
- Multi clients to multi units communication using the server
- Remote signal strength and battery capacity
- Unit remote control streaming parameters bit rate, fps, recording, events

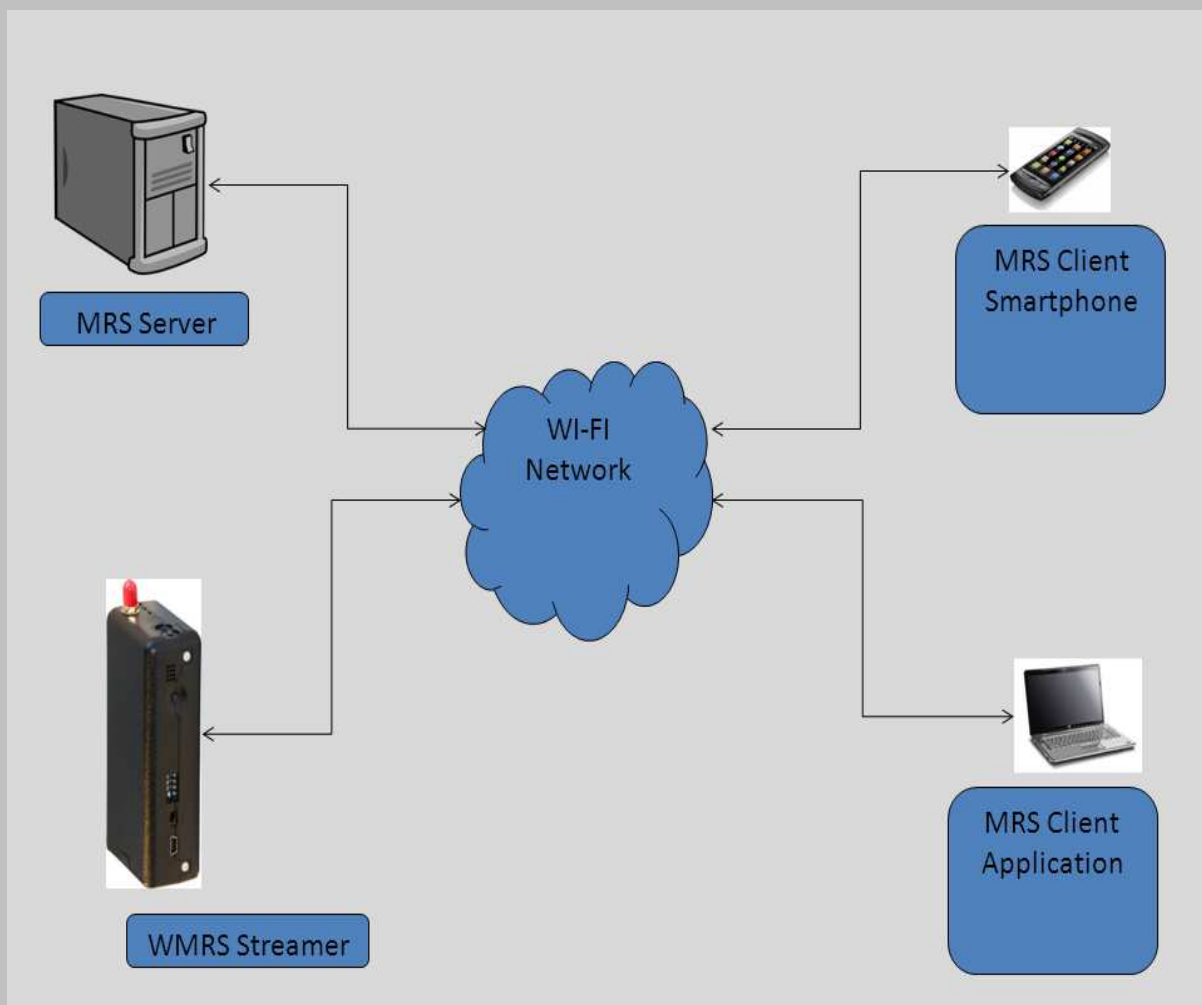


Figure 1- WMRS System Architecture