

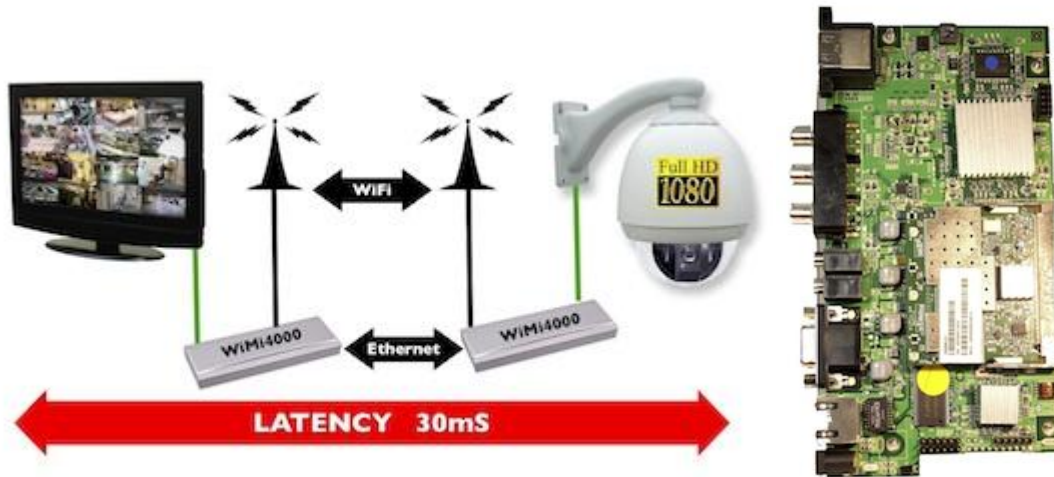
Wireless Full HD over IP solution for Integration

Low Latency 30ms end to end - based on H264

The WiMi consists of an Encoder and Decoder board each fitted with an optional 5.2GHz WiFi module. WiMi supports all common forms of video and audio interfaces HDMI, DVI, Component, VGA, Composite etc

Supporting hardware to hardware encode/decode or hardware to software plus simulcast and multicast makes WiMi an ideal component for integrating video over IP.

Video over IP is supported via Ethernet or Wireless and high quality audio and data signalling is also supported.



Features:

Transmitter (WiMi TX)

Video Input

- HDMI(DVI): up to 1080p60, HDMI v1.3 compatible, HDCP 1.1
- RGB (HD-15): VESA formats up to 1280 x 1024 and 1920 x 1080p60
- CVBS: 720 x 480

Audio Input

- HDMI : HDMI compatible audio, Compressed or Uncompressed
- Stereo Audio : Analog, 44.1kHz/48kHz 16-bit ADC – Stereo Phone Jack & Stereo RCA Jack

Encoding of Moving Pictures

- H.264 (MPEG-4 Parts10: AVC)
- Baseline Profile with Level 4.2 (up to 1920 x 1080p60)

Ethernet Output for Audio/Video

- 10/100 BASE-TX, Cat.5 UTP cable (150m)
- Power Line Communication (PLC) Modem connection

Wireless Output for Audio/Video

- Supporting IEEE802.11a/g/n • MIMO interface

IR Flasher for remote operation in receiver side

Receiver (WiMiRX)

Ethernet Input for Audio/Video

- 10/100 BASE-TX, Cat.5 UTP cable (150m)
- Power Line Communication (PLC) Modem connection

Wireless Input for Audio/Video

- Supporting IEEE802.11a/g/n • MIMO interface

Decoding of Moving Pictures

- H.264 (MPEG-4 Parts10: AVC)
- Baseline Profile with Level 4.2 (up to 1920 x 1080p60)

Video Output

- HDMI: up to 1080p60, HDMI v1.3 compatible, HDCP 1.1
- Component Video: up to 1080i60
- CVBS: 720 x 480

Audio Output

- HDMI: HDMI compatible audio
- Stereo Audio : Analog, 44.1kHz/48kHz 16-bit DAC – Stereo Phone Jack & Stereo RCA Jack

USB for Firmware Upgrade

- For both Transmitter & Receiver



Specification

- **Video Compression** ; H.264 Baseline Profile Level 4.2
- **System Latency** :< 30 millisecond Delay between itrio Transmitter & Receiver
- **Digital Video IN/OUT Interface** :HDMI-v1.3 compatible, Up to 24 bit RGB or YUV (4:2:2)
- **Analog Video Input Interface**; RGB Video with D-Sub, Composite Video Broadcast Signals (CVBS)
- **Analog Video Output Interface**; YPbPr Component, Composite Video Broadcast Signals (CVBS)
- **Input Video Ports**; 2 x HDMI, an RGB Analog with D-Sub, an CVBS with RCA
- **Output Video Ports**; 1 x HDMI, an YPbPr RCA, an CVBS with RCA
- **Video Resolutions (partial list)**; 480i/p, 720p, 1080i and 1080p (24fps/30fps/60fps)
- **Digital Audio IN/OUT Interface** ;2 Ch Linear PCM, DTS 5.1 Ch., AC3 5.1 Ch.
- **Analog Audio IN/OUT Interface** ;RCA stereo jacks & Mini stereo headphone jacks
- **Analog Audio Transmission** ;48 kHz sampling with 16bits resolution
- **Input Audio Ports**; 2 x HDMI, an Mini Stereo Headphone jack, an Stereo RCA jacks
- **Output Audio Ports** ;1 x HDMI, an YPbPr RCA, an CVBS with RCA
- **Radio Power** ;63mW (+18dBm)
- **Modulation** ;IEEE 802.11a/n: OFDM
- **Frequencies Supported**; 5.15 ~ 5.25 GHz (1 watt band soon)
- **Antenna** ;2T x 3R, 2 internal antenna
- **Security**; 802.1x, 802.11i, WPA2, WPA and WEP 64/128 TKIP AES
- **WPS**; Wireless Protected Setup for easy set up and security configuration
- **Ethernet LAN**; 10/100 BASE-TX, PLC Modem Connection
- **IR in Transmitter**;IR Receiver (front side) for itrio's IR Remote Controller IR Flasher (rear side) for others' IR Remote Controller Blasting
- **IR in Receiver**;IR Receiver (front side) for itrio's IR Remote Controller and optional IR Extensive Receiver (rear side)
- **Power Supply** ;12V/2.0A DC (US/EU standards, CE/FCC/UL certified)
- **Dimensions (mm)**; 28(W) x 195(H) x 112(D)
- **Operating Temperature**; Operating from 0°C ~ 40°C

Contact dBA CCTV Ltd for more details on 01684 311886