

WiMi 6220

Wireless HD/3G-SDI, HDMI with Low Latency (80ms)

Live Streaming by H.264 Encoder

Radio Coverage: Maximum 1,500m (5,000ft) at line of sight

Characteristics of **WiMi6220**

Full HD sender (Wireless or Ethernet)

- H.264 (MPEG-4 Parts10: AVC)
- Baseline-Profile with level 4.2
- Low latency of encoding/decoding: 80~100ms
- Transport 1080p60 full HD over wireless/Ethernet
- SD/HD/3G-SDI video in/out with embedded audio
- HDMI video in/out with embedded audio
- Selection of encoding rate & Wi-Fi frequencies
- Embedded wireless Intercom, 2-way talk-back
- 480i/59.94, 576i/50, 720p60/59.94/50/30/29.97/25/24/23.98,
- 1080i60/59.94/50, 1080p60/59.94/50/30/29.97/25/24/23.98
- and PsF format

Live streaming from broadcast/DSLR camera over wireless/Internet

- Full HD live streaming server on transmitter & receiver
- RTSP streaming server (RTP/UDP)
- MPEG2TS streaming (UDP)
- Relay streaming server (RTSP/MPEG2TS) on the receiver

Save bandwidth cost with multicasting

- Maximum 2/4 receivers in wireless multicasting

Comfortable & wide coverage over wireless /Internet

- Wireless: up to maximum 1,500m (5,000 ft) @ line of sight
- Wide Wi-Fi radio channel: 12 Ch @ 40MHz, 23 Ch @20MHz
- Small form factor (Enclosure): 144 x 91 x 26 (mm)
- DC input range & Power: 6.8V ~ 16V, 11W (TX), 10W (RX)

Applications

- Wireless Camera
- Live Broadcasting
- Medical Imaging
- Board Solutions for OEM
- Low-cost Full HD Encoder
- Full HD Live Streaming
- RTSP/MPEG-2TS Server

WiMi6220T/R



WiMi6220T



WiMi6220R

Interfaces of WiMi6220

Video Interfaces

- SD/HD/3G-SDI input and output: up to 1080p60
- HDMI input and output: up to 1080p60

Audio Interfaces

- Embedded audio on SDI and HDMI port
- Wireless intercom jack: 3mm mini stereo phone with mic

Network & Control Interfaces

- 10/100 BASE-TX, cat.5e UTP cable
- IEEE 802.11ac, 5 GHz (12 Ch. @ 40MHz, 23 Ch. @20MHz)
- Full duplex RS-422 interface for relaying external camera control signals (CCU, PTZ)
- Ethernet over Wi-Fi for relaying Ethernet-based CCU/PTZ

Supported SDI Format

Standard	Description
SMPTE 244 (NTSC)	480i59.94
IEC61179-5 (PAL)	576i50
SMPTE 296M	720p23.98, 720p24, 720p25, 720p29.97, 720p30, 720p50, 720p59.94, 720p60
SMPTE 274M	1080i50, 1080i59.94, 1080i60, 1080PsF23.98, 1080PsF24, 1080PsF25, 1080PsF29.97, 1080PsF30, 1080p23.98, 1080p24, 1080p25, 1080p29.97, 1080p30, 1080p50, 1080p59.94, 1080p60

SDI Compliance

Standard	Description
SMPTE 259M	SDTV Digital Signal/Data Serial Digital Interface
SMPTE 292M	1.5Gb/s Signal/Data Serial Digital Interface
SMPTE 425M	3Gb/s Signal/Data Serial Digital Interface
SMPTE 299M	16bit Digital Audio Format for SMPTE 292M
SMPTE 352M	Video Payload Identification for Digital Interfaces

Radio Specification

	Description
Wi-Fi Standard	IEEE 802.11ac, FCC/CE/Japan/KC Approval
Frequency	U-NII-1(5.15~5.25GHz), U-NII-2A(5.25~5.35GHz), U-NII-2C(5.47~5.725GHz), U-NII-3(5.725~5.85GHz)
Number of Wi-Fi Ch.	12 Wi-Fi channels @ 40MHz channel bandwidth
Transmission Distance	Up to 1,500m (5,000 ft) @ line of sight
Transmission Power	Max. 63mW (18 dBm)/chain, Total: 190mW (22.8 dBm)
Antenna	3T x 3R MIMO