



Nimbus WiMi 6200



AB-Mounting
Plate



V-lock Mounting
Plate



WiMi6200R

WiMi6200T

Low Latency (40ms) Full HD & Streaming by H.264 Encoder

Radio Coverage: 900m (3,000ft)

Characteristics of WiMi6200

Full HD sender (Ethernet or Wireless)

- H.264 (MPEG-4 Parts10: AVC)
- Baseline Profile with level 4.2
- Low delay (40ms), end-to-end (80ms), H.264 engine
- Transport 1080p60 full HD over wireless/Ethernet
- SD/HD/3G-SDI video in/out with embedded audio
- Selection of encoding rate & Wi-Fi frequencies
- 2-way talk-back audio channel for embedded wireless audio
- 480i59.94, 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 CCTV, Camera over 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 4 receivers in wireless multicasting

Comfortable & wide coverage over Ethernet / Internet

- Wireless: up to 900m (3,000 ft) @ line of sight
- Small form factor (H x W x D): 155 x 30 x 102 (mm)
- DC input range & Power: 6.8V ~ 16V, 12W

Applications

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

Interfaces of WiMi6200

Video Interfaces

- SD/HD/3G-SDI input and output: up to 1080p60
- SDI looped output on the transmitter

Audio Interfaces

- Embedded audio on SDI port
- Analog: Stereo, 48kHz 16-bit linear PCM
- External audio jack: Mini stereo phone
- Talk-back audio jack: Mini stereo phone

Network & Control Interfaces

- 10/100 BASE-TX, cat.5e UTP cable
- IEEE 802.11n, 5 GHz
- Full duplex RS-422 interface for relaying external camera control signals

Supported SDI Format

Standard	Description
SMPTE 244, BT601 (NTSC)	480i59.94
IEC61179-5, BT601 (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

Radio Specification

	Description
Wi-Fi Standard	IEEE 802.11n, FCC Approval
Frequency	U-NII-1(5.15~5.25GHz), U-NII-3(5.725~5.85GHz)
Transmission Distance	up to 900m (3,000 ft) @ line of sight
Transmission Power	Max. 60mW (18dBm)/antenna, Total: 180mW (22dBm)
Antenna	3T x 3R MIMO

