WIRELESS CONVENIENCE
WITHOUT COMPROMISE

- THE ALTERNATIVE TO WIRED CAMERAS
- REAL TIME WIRELESS VIDEO
- LISTEN-IN AUDIO
- SIGNAL GUARD TECHNOLOGY
- SAVE TIME AND MONEY ON INSTALLATION

REAL-TIME VIDEO

Accurate color with infrared light filter

Typical

Non Real-Time

Real-Time

VANTAGE

LW2231

www.lorextechnology.com
STABLE & FLUID VIDEO
Don’t miss a thing with Real-Time video & fluid video.

WIRELESS FRIENDLY
Minimizes conflicts with competing wireless signals with next generation interference reduction technology.

IDEAL ADD-ON CAMERA
Compliments your home or business surveillance system with extended range and flexibility.

SAVE TIME AND MONEY
No need to run video cables. Simply power up and start monitoring.

FEATURES

• Real-Time (up to 30fps) wireless video with MPEG-4 compression @ 640x480 (VGA) resolution

• Extended bandwidth delivers smooth high frame rate video

• SignalGuard Technology continuously monitors the wireless signal and automatically reconnects upon detecting low signal strength

• Next generation adaptive Frequency Hopping Spread Spectrum (FHSS) technology greatly reduces conflicts with competing signals

• Built-in microphone for listen-in audio

• Auto-mechanical infrared camera filter achieves accurate color reproduction in varying lighting conditions

• Long Range night vision range up to 135ft (41m) / 90ft (27m)

• Simple installation. No video cable required

• Weatherproof camera and power connectors for outdoor or indoor installation

• Easily connects to any surveillance DVR (BNC) or TV (RCA)

• High gain antennas provide up to 165ft (50m) indoor / 500ft (152m) outdoor wireless range

• Vandal resistant camera design with cable pass-through mounting brackets
**Product Information**

**LW2231** 7-78597-22310-1

- **Package Weight:** 1.2 kg/2.8 lb
- **Package Dimensions:** 256 x 256 x 109mm/
{W x D x H} 10.08 x 10.08 x 4.30”
- **Package Cube:** 0.25 Cf/0.007 Cbm
- **Contents:** 1 x Indoor/outdoor camera
1 x Wireless receiver
2 x Power adapters
2 x Antennas
1 x BNC/RCA adapter

**Specifications**

**General**

- **TX Frequency Range:** 2.400GHz~2.480GHz
- **TX Power:** 16dBm
- **Unobstructed Effective Range:** 165ft (50m) indoor, 500ft (152m) outdoor
- **Data Rate:** 4 Mb/s
- **Modulation:** GFSK
- **Spread Spectrum:** FHSS
- **Operating Temperature Range:** 14°F ~ 122°F / -10°C ~ 40°C

**Camera**

- **Image Sensor Type:** 1/4” Color CMOS Image Sensor
- **Effective Pixels:** H: 640 V: 480
- **Image Compression:** MPEG4
- **Image Resolution:** VGA (640x480)
- **Lens:** 3.6mm F2.0
- **Field of View (Diagonal):** 55°
- **AGC:** On
- **Power Requirement:** 9V DC +/- 5%
- **Power Consumption:** 430mA Max with IR LED
220mA Max without IR LED
- **Environment Rating:** IP66
- **IR LED Quantity / Type:** 24 pieces / 850nm
- **Night Vision Range:** 90ft (27m) / 135ft (41m)
- **Built in Auto IR Turn On / Off:** CdS Drive Auto IR LED turn On/Off Circuit
- **Dimensions (W x D x H):** 79 x 203 x 117mm / 3.1 x 8.0 x 4.6”
{with antenna and sunshade}
- **Weight:** 0.3kg / 0.6lbs

**Receiver**

- **Receiving Frequency Range:** 2.400GHz~2.480GHz
- **RX Sensitivity:** -81dBm
- **Demodulation:** GFSK
- **Data Rate:** 4 Mb/s
- **Supported Resolution:** VGA (640x480) up to
25 frames per second
- **Termination:** BNC video
- **Power Requirement:** 9V DC +/- 5%
- **Power Consumption:** 270mA Max
- **Operating Temperature Range:** 14°F ~ 122°F / -10°C ~ 40°C
- **Dimensions (W x D x H):** 53 x 137 x 86mm / 2.1 x 5.4 x 3.4”
{with antenna attached}
- **Weight:** 0.1kg / 0.3lbs

**Disclaimers**

1. At full signal strength. Limit number of obstructions to ensure best performance.
2. Stated IR illumination ranges are based on ideal conditions in typical outdoor night time ambient lighting and total darkness. Actual range and image clarity depends on installation location, viewing area and light reflection/absorption level of object.
3. Camera and receiver requires a wired connection to an electrical outlet (power adaptors included).
5. Maximum wireless transmission range. Actual range dependent upon building materials and other obstructions in path of wireless signal.

* Using multiple receivers in close proximity to each other may cause a slowdown in frame rate performance.