

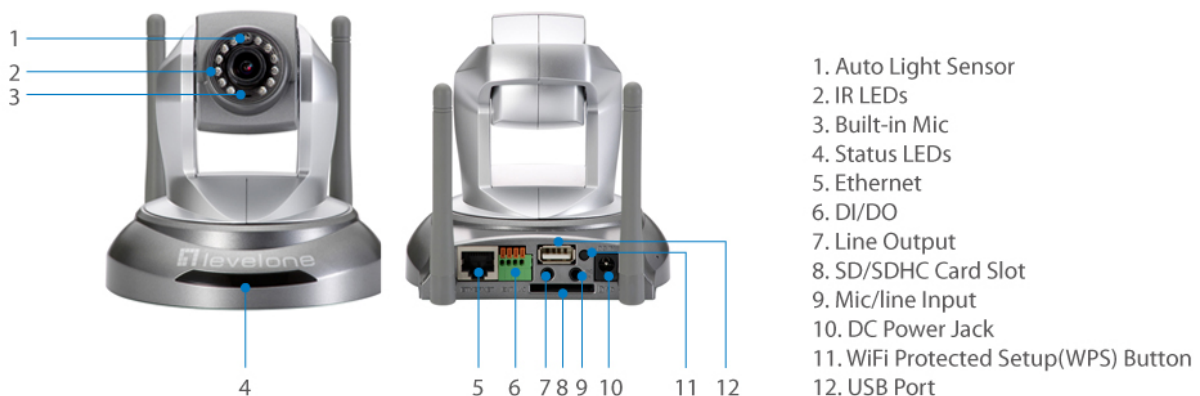


WCS-6020 Version: 1

## 2-Megapixel Day/Night Wireless P/T Network Camera - IR LEDs

The LevelOne WCS-6020 is a quality yet cost-effective surveillance solution for the home and office. It is designed for easy and flexible installation, provides a choice of either a 150Mbps wireless or wired connection and a WPS (Wi-Fi protected setup) button to secure the wireless connection with just the push of a button, and the motorized Pan and Tilt provides a viewing angle of  $\pm 355^\circ$  pan and  $\pm 135^\circ$  tilt. Equipped with a 2-Megapixel sensor and built-in IR cut filter/IR illuminator LEDs, the camera provides high resolution quality and sharp sensitivity – ideal for security applications both day and night.

The WCS-6020 is equipped with many advanced features such as Level1DNS™ Service, DI/DO for external alarm and sensor, a micro SD/SDHC card slot and USB interface for local storage, built-in microphone and external speaker for 2-way audio communications. Moreover, users can also set up 16 motion-detection regions with the camera, each with adjustable size and sensitivity. When motion is detected at the specified regions, the system can send an E-mail alert or send captured images via FTP upload to a designated storage server. The WCS-6020 is indisputably the top choice for reliable and high performance surveillance.



### Key Features

- 2-Megapixel (1920 x 1080) high-definition resolution
- Compatible with IEEE 802.11b/g/n wireless standards
- Built-in infrared LEDs for night viewing up to 10m
- Supports 355° pan and 135° tilt



- Supports 2 video streams simultaneously
- Compression: H.264/MPEG-4/MJPEG
- Simple wireless connectivity and security with WPS push button
- Removable IR-cut filter for day and night surveillance
- Built-in microphone and external speaker for 2-way audio communication
- Built-in SD/SDHC card slot for local storage
- Digital input/output (1DI/1DO) for sensor and alarm
- Supports motion detection and event notification via e-mail or FTP
- Free 64-channel monitoring software included (supports iCamSecure App)

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## Highlight

### Free bundled 64-channel Management Software

We aim to offer you the most versatile and comprehensive surveillance solutions. Our free IP CamSecure software coming allows you to monitor up to 64 IP cameras simultaneously on one screen to enhance scalability. For added convenience and flexibility, the software includes various advanced features such as scheduling recording, event alert, and heaps more. In addition, simply install our free iCamSecure App to your smartphone and connect to the PC with IP CamSecure software installed, you will easily turn your iPhone/Android smartphone into a portable surveillance system for real-time monitoring and snapshot.

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## Specifications

### System Specifications

#### Image Sensor:

2-Megapixel 1/2.7" Progressive Scan CMOS

#### Connectors and Cabling:

1 x RJ-45 10/100 Mbps port  
1 x 3.5mm line out  
1 x 3.5mm mic/line in  
1 x USB port (for optional USB flash drive)  
1 x DC Power Jack  
I/O terminal block (1 DI/1 DO)

#### Modularity:

1 x SD/SDHC card slot

#### Button:

WPS Button, Reset Button

#### Indicator:

Power, Link

#### Lens:

Board lens, fixed-focal, f=4.0 mm, F2.0

#### IR Cut Filter:

Removable infrared-cut filter for day & night function

#### IR LED:

12 IR LEDs for illumination up to 10m

#### Shutter Time:

1 ~ 1/10,000 sec.

#### Angle of View:

62°

#### Pan/Tilt/Zoom:

Pan range: ±355°(-177.5°~177.5°)

Tilt range: ±135° (-45°~ 90°)

Auto pan mode  
Auto patrol mode

**Video Compression:**  
H.264 / MPEG4 / MJPEG

**Resolution:**  
1080p (1920x1080) / SXGA (1280x1024) / WXGA (1280x800) / VGA (640x480) / QVGA (320x240) / QCIF (176x144)

**Video Format:**  
AVI

**Audio Compression:**  
G.711 / AMR

**Power:**  
Power Consumption: 12W  
Power Input: DC12V 1.5A

**Standards & Protocols:**  
IEEE 802.3 10-BASE-T, Ethernet  
IEEE 802.3u 100-BASE-TX, Fast Ethernet  
IEEE 802.11b, IEEE 802.11g, IEEE 802.11n Wireless Networking  
TCP/IP, HTTP, SMTP, FTP, DDNS, UPnP, Telnet, NTP, PPPoE, DNS, DHCP, RTSP, Samba

## Wireless

**Encryption:**  
WEP 64/128-bit Web share key encryption WPA-PSK, WPA2-PSK

**Channel:**  
Ch.1 ~ 11 USA  
Ch.1 ~ 13 EU

**Antenna:**  
2x 2dBi antennas

**Frequency Band (GHz):**  
2.412 ~ 2.472 GHz

## Features

**General:**  
Backup: SD/SDHC card slot & USB port for local storage  
DNS: Easy Internet monitoring via configuration free Level1DNS™ service

**Security:**  
Alarm and Notification: Alarm: Motion Detection; DI/DO  
Notification: FTP, SMTP, Samba  
Access Control: Multi-level user access with password protection  
IP address filtering  
HTTPS encrypted data transmission

**Video:**  
Image Setting: - Adjustable image size, quality and bit rate  
- Configurable brightness, sharpness, contrast, saturation, white balance and exposure  
- AGC/AWB/AES  
- Flip & Mirror  
- Time Stamp  
Streaming: Up to 2 video streams  
Motion Detection: 16 Detection Zones

**Audio:**  
Streaming: 2-way audio

Input/Output: Built-in microphone  
Mic/line input, line output

## Performance

### Number of Clients:

20

### Data Transfer Rate:

LAN- 10/100Mbps

IEEE 802.11n: 150Mbps(20MHz); 300Mbps (40MHz)

IEEE 802.11g: 6,9,12,18,24,36,48,54 Mbps

IEEE 802.11b: 1,2,5.5,11 Mbps

### Frame Rate:

Up to 30 fps at 1920x1080

### Minimum illumination:

Color: 1.5 lux at F2.0

B/W: 1.0 lux at F2.0

## Environment

### Temperature (°C):

Operating: 0°C ~ 40°C

### Humidity (Non-condensing):

Operating: 10% ~ 80%

## Physical Specifications

### Dimensions (W x D x H mm):

105 x 110 x 105 mm

### Weight (g):

356 g

## Others

### Approval and Compliance:

CE, FCC

### Deployment:

Desktop/Ceiling Mount

### Operation Systems:

Microsoft Windows 7/Vista/XP

### Viewing System Requirements:

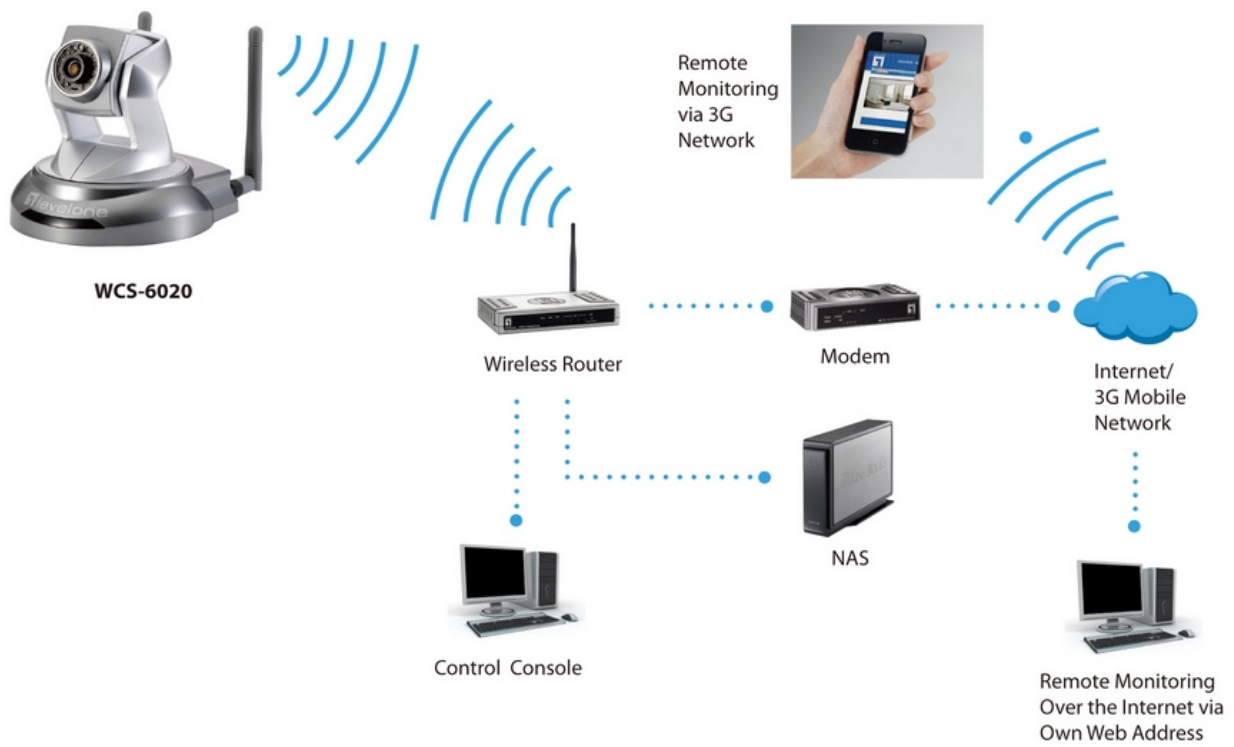
Browser: Internet Explorer 6.x or above, Firefox, Chrome, Safari

Cell phone: 3GPP player

Real Player: 10.5 or above

Quick Time 6.5 or above

## Diagram



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## Order Information

WCS-6020

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## Package Contents

Power Adapter  
Antenna (x2)  
RJ45 Ethernet Cable  
Stand Kit  
Quick Installation Guide  
Resource CD (User Manual, Utility, 64-CH Monitoring Software)



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