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 ±355° pan and ±135° 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.



1. Auto Light Sensor
2. IR LEDs
3. Built-in Mic
4. Status LEDs
5. Ethernet
6. DI/DO
7. Line Output
8. SD/SDHC Card Slot
9. Mic/line Input
10. DC Power Jack
11. WiFi Protected Setup(WPS) Button
12. USB Port

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)

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.

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

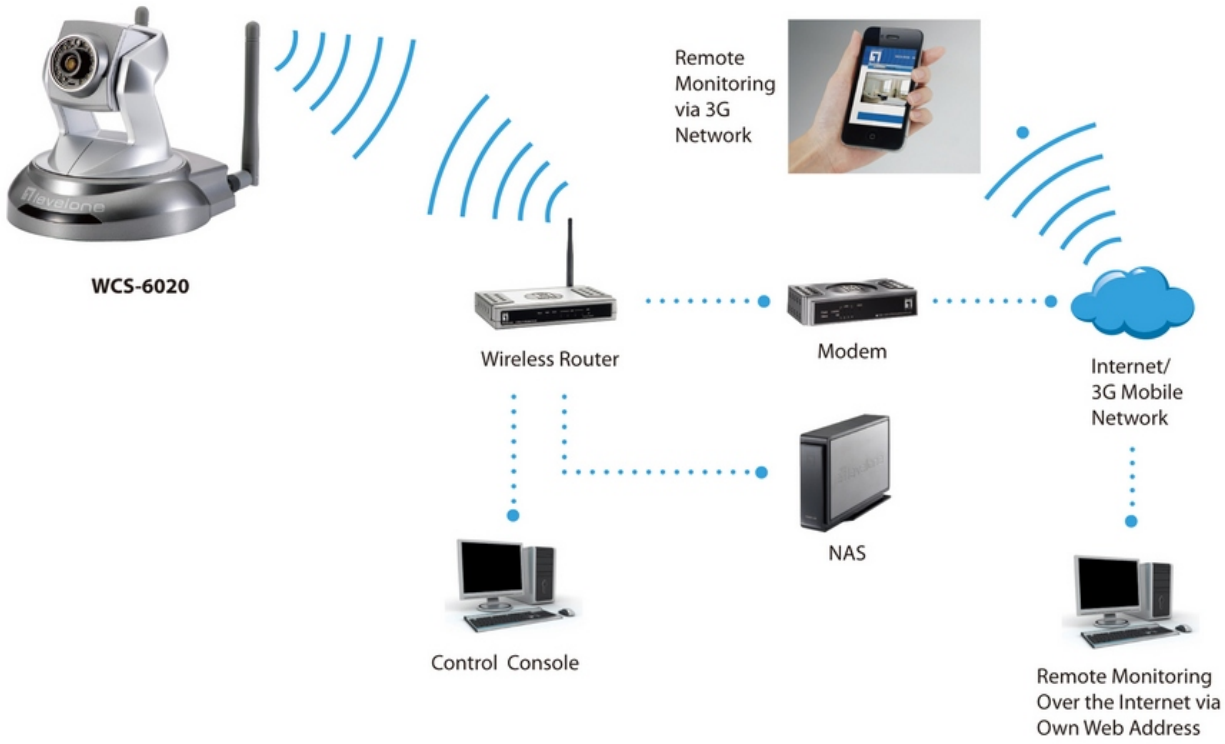
Approval and Compliance:
CE, FCC

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



Order Information

WCS-6020

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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