



WCS-6020 Version: 1

## Draadloze P/T-netwerkcamera met 2-Megapixel voor dag/nacht

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) hoge definitie resolutie
- Compatibel met IEEE 802.11b/g/n draadloos standaarden
- Ingebouwde infrarode LED's voor nachtwoergave tot maximaal 10m
- Ondersteunt 355° pan en 135° tilt
- Ondersteunt gelijktijdig streaming van 2 video's



- Compressie: H.264/MPEG-4/MJPEG
- Eenvoudige draadloze connectiviteit en beveiliging met WPS-drukknop
- Verwijderbaar IR-afkapfilter voor surveillance overdag en 's nachts
- Ingebouwde microfoon en externe luidspreker voor tweeweg audiocommunicatie
- Ingebouwde SD/SDHC-kaartsleuf voor lokale opslag
- Digitale input/output (1DI/1DO) voor sensor en alarm
- Ondersteunt bewegingsdetectie en gebeurtenismeldingen via e-mail of FTP
- Inclusief gratis 64 kanalen controlesoftware (ondersteunt iCamSecure-App)

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## Highlight

### Remote Viewing Made Easy

Level1DNS™ service, an intelligent dynamic DNS service which is handy at situation where IP address of your LevelOne device is not permanent, which is frequently changed by your ISP. By offering you an unique domain name, our Level1DNS™ service ensures your device is always reachable from anywhere around the globe and easy remote access through web browsers.

### 64-kanaals bewakings software

Wij willen u de meest veelzijdige en uitgebreid bewakingsoplossingen bieden. Voor een betere schaalbaarheid, kunt u met onze nieuwe gratis IP CamSecure-software tot 64 IP-camera's tegelijk bewaken op één scherm. Voor extra gemak en flexibiliteit, bevat de software verschillende geavanceerde functies, zoals het plannen van opnamen, alarmeren bij gebeurtenissen en veel meer. Installeer daarnaast gewoon onze gratis iCamSecure App op uw smartphone en maak een verbinding met de pc waarop de IP CamSecure-software is geïnstalleerd. U kunt uw iPhone/Android-smartphone gemakkelijk omvormen tot een draagbaar bewakingsysteem voor real time bewaking en snapshot.

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## Works Well With



**WBR-6012**  
300Mbps Draadloze Router

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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

## Physical Specifications

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

105 x 110 x 105 mm

**Weight (g):**

356 g

## 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



## 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

## Environment

### Temperature (°C):

Operating: 0°C ~ 40°C

### Humidity (Non-condensing):

Operating: 10% ~ 80%

## 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

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## Diagram



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## Order Information

WCS-6020

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## Package Contents

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