# IP540

## Day & Night, P/T/Z Megapixel HD H.264 Network Camera

*Pan, Tilt, 10x Digital Zoom with HD/H.264*

- Pan/Tilt with 10x digital zoom
- Day/Night functionality with built-in IR-cut filter and IR LED
- Dual H.264, MJPEG or MPEG-4 video stream
- Megapixel / HD resolution
- Active Bandwidth Management
- Network Bandwidth Detection
- Support Hotmail/Gmail web-mails and SMS alarm
- Two-way audio with built-in microphone and speaker
- microSDHC slot for storing event snapshots and recordings
- Upgradeable I/O module
- Remote surveillance on cell phone

**Compro IP540 camera uses an advanced 340-degree pan and 100-degree tilt mechanical design to achieve flexible camera viewing angle, and is ideal for deployment at warehouses, offices, restaurant , lobby area , or anywhere where there is a need to follow people or objects.**

### Pan/Tilt with 10x digital zoom

IP540 delivers simultaneous HD/H.264 and MPEG-4 or MJPEG video stream, together with high performance megapixel sensor allowing for optimization in image quality and network bandwidth. The camera provides 30 preset positions and 1 preset sequence to monitor specific areas.

### High Quality Megapixel/HD Image

With HD technology, IP540 lets you view details and identify people and objects at least three times better than the on a conventional CCTV camera. The megapixel resolution allows IP540 to capture video from a wide area, effectively reducing the number of cameras required in building a reliable video surveillance network.

### Exclusive and Convenient Features

Active Bandwidth Management and Network Bandwidth Detection allow for optimal video quality within bandwidth limitation; support for popular web-mail platform and SMS gateway means it can send out SMS/Email message when unusual events occur; camera profile management for easily setting up and managing multiple cameras.

### Optional Digital I/O Alarm Expansion Box

IP540 provides 6-port alarm Inputs/Outputs function with an optional PTZ I/O Alarm Expansion Box.

### Two-way Audio Support

IP540 supports full-duplex and bi-directional audio communication through a built-in microphone and an audio in/out port. The audio communication feature allows you to eavesdrop on the monitored area or broadcast your voice to intruders.

### True Day & Night Functionality for 24/7 Surveillance

IP540 offers Day/Night functionality with its mechanical IR-cut filter, 12 IR LEDs, and a professional-class ambient light sensor, all aimed at providing crystal clear images round-the-clock. The light sensor detects environmental lighting conditions. When in low-light conditions, the 6 built-in IR LEDs are automatically switched on to provide additional infrared light that help deliver clear night-time image.

### Total Surveillance Solution for Home and Business

IP540 is bundled with a wealth of applications to provide an intelligent surveillance solution, including iWzard, WebVUer, and ComproView®. iWizard is a smart installer to turn the complicated network camera installation into a simple and fast process. WebVUer is an intuitive IE-based video management software includes all the key features for trouble-free remote monitoring. ComproView® is a powerful 32-channel professional grade video management software.

| Camera | |
|---|---|
| Image Sensor | 1/3" CMOS Megapixel sensor |
| Lens | • Focal Length: 4.0 mm<br>• Max Aperture Ratio: F1.5<br>• Fixed iris |
| Angle of View | 60° horizontal |
| Pan Range | -170° ~ +170° total of 340 degree |
| Tilt Range | -10° ~ +90° total of 100 degree |
| Max Speed | Pan 45°/Sec., Tilt 35°/Sec. |
| Zoom | 10x digital zoom |
| Focusing Range | 0.5m ~ INF |
| Minimum Illumination | • IR Mode: 0 lux with built-in IR LEDs on (12 LEDs in total; effective distance up to 10m)<br>• Color Mode: 1.0 lux |
| Shutter Time | 1/5 ~ 1/16000 Sec. |

| Video | |
|---|---|
| Video Compression | • H.264 ( MPEG-4 Part 10)<br>• Motion JPEG<br>• MPEG-4 Part 2 |
| Resolutions | 160x120, 320 x 240, 640 x 480, 1280 x 1024 |
| Frame Rate | • Up to 30 frames at 640 x 480<br>• Up to 15 frames at 1280 x 1024 |
| Video Streaming | Dual video stream |
| Image Settings | • Adjustable image size and quality<br>• AGC, AWB, AES<br>• Configurable brightness, contrast, saturation and sharpness |

| Audio | |
|---|---|
| Audio Communication | Two-way audio with built-in MIC (S/N ratio 58 dB, 50-10000hz ) |
| Audio compression | G.711 PCM 64Kbit/sec |
| Audio input / output | MIC input / Audio output |

| Network | |
|---|---|
| Security | User ID / Password protection |
| Supported Protocols | TCP/IP, HTTP, UDP, FTP, ICMP, ARP, DHCP, NTP, DDNS, DynDNS, UPnP, RTP, RTSP, RTCP, SMTP, IGMP, 3GPP, IPv4, 802.1x |

## Optional Accessory

### CM500
**Digital I/O Expansion Box**
• Connect with various sirens and alarms
• 15-pin connectors:
  input (2-pin) x3, output (3-pin) x3
• Box dimensions: 104 x 60 x 27 mm
• Connection cable length: 100 cm

### WL150
**USB Wireless Adapter 802.11 b/g/n**
• Complies with IEEE 802.11 b/g/n standards
• High transfer data rate – up to 150Mbps
• Supports 64/128-bit WEP, WPA, WPA2 functions for high level of security
• Supports USB 2.0/1.1 interface

| Firmware | |
|---|---|
| Firmware | • Support UPnP<br>• Support online firmware update |

| Advanced Video Surveillance | |
|---|---|
| ComproView® | • Multi-channel management (32-channels)<br>• Fast and intuitive camera setup<br>• Search and playback recordings by event types<br>• Scheduled and event-based management<br>• Smart motion and audio detection<br>• Panorama PTZ |

| Web Browser | |
|---|---|
| Internet Explorer (ActiveX) | • Monitor the current condition of the monitor area via Internet Explorer<br>• Video record and capture a still image on PC or microSD/SDHC card<br>• Alarm and event management : FTP, I/O alarm, server notification and email |
| Supported Viewing Devices | • PC, Laptop, Tablet, Nettop, MID with IE/ActiveX support<br>• Viewing in MJPEG mode on mobile phone, iPhone/iPad, BlackBerry, Android, WM, PDA |

| Mobile Phone | |
|---|---|
| MJPEG Mode | Viewing of camera image via phone browsers |
| 3GPP Mode | Viewing of camera image via 3G phones (3GPP Streaming) |

| General | |
|---|---|
| Operating Condition | 5 °C ~ 40 °C |
| Power Supply | DC 12V/2A |
| System Requirements | • Computer with 1.7GHz processor and 512 MB memory or above<br>• Supported Operating Systems: Windows XP SP3, Vista SP1, Windows 7, Mac OS X 10.6 |
| Package Contents | • IP540 Network Camera<br>• Software CD (manual included)<br>• Quick installation guide<br>• Power adapter and power cable<br>• Wall plate<br>• Network cable<br>• Screws for ceiling mounting<br>• Screw mount<br>• Camera pads |
| Dimensions | 105 x 125.5 x 128.6 mm |

## Name of each part

Lens
IR LEDs
Light Sensor
IR LEDs
Microphone
Status LED
Power
Reset Button
Microphone Input
Wireless Adapter
LAN
I/O box connector
Audio Output
microSD/SDHC slot

COMPRO
TECHNOLOGY