Honeywell Total Connect™

VIDEO SOLUTIONS

Honeywell

Honeywell Total Connect Video Solutions are part of Honeywell Total Connect Remote Services, which let consumers control their security and automation systems, view live video and receive important email and video notifications on mobile devices anytime, anywhere. It provides dealers with an excellent way to earn RMR.

Wired/Wireless IP Cameras are easy to install and feature a compact, portable design — allowing consumers to move them whenever they choose. Low-light, pan/tilt and outdoor versions are also available. Honeywell's WAP-PLUS (Wireless Access Point) provides secure, wireless networking ability (Wi-Fi®) in iPCAM installations. It connects easily to a port on a router and is configured with iPCAMs using Wi-Fi Protected Setup (WPS).

Honeywell's WREX (Wi-Fi Repeater Extender) is designed to enhance connectivity within a wireless Wi-Fi network. The WREX connects between a WPS (Wi-Fi Protected Setup) enabled access point or router (e.g., WAP-PLUS) and wireless client device(s) (e.g., Honeywell Total Connect Remote Services IP cameras) to increase the coverage of the existing wireless network.

Wi-Fi signal strength bars and a diagnostic screen appear in web-based Honeywell Total Connect in order to help installers diagnose range issues, most of which can be resolved by adding the WREX Wi-Fi Repeater Extender. Since the cameras are portable, it will help users diagnose why cameras have stopped working if moved to a new location.

Video Solutions

FEATURES AND SPECIFICATIONS

- **Works with PCs, smartphones, tablets and other compatible wireless devices.**

- **Video signal strength indicator**

- **Video diagnostic screen**

- **Advanced graphic user interface** – The Honeywell Total Connect video viewer is an attractive, easy to use interface with customizable multiple images, sizing capability and streaming views. Optional pan/tilt controls for compatible cameras.

- **Adobe® Flash player-based application**

- **QuickTime® video player**

- **Secure communications firewall friendly video streaming** – No router changes required, no port forwarding necessary

- **Web-based camera configuration** – Video application parameters configured via Honeywell Total Connect

- **Up to six cameras supported per account** – Selectable per user multi-camera view

- **Event driven video notification with adjustable video motion detection technology**

- **Video storage of up to 100MB of video clips**

Honeywell Total Connect™

VIDEO SOLUTIONS

Honeywell

iPCAM-WL

WIRED/WIRELESS INDOOR LOW-LIGHT IP CAMERA

FEATURES AND SPECIFICATIONS

Video

- **Video Compression** – H.264, MPEG-4 SP, M-JPEG
- **Video Streaming** – Simultaneous H.264, MPEG-4 and M-JPEG
- **Image Settings** – Flip, Mirror, AWB (Auto-White-Balance), AGC (Auto-Gain-Control), Contrast, Sharpness, Brightness
- **Resolution and Frame Rate** – VGA, QVGA, Up to 30 fps (frame per second)

Sensor and Lens

- **Image Sensor** – 1/5" CMOS Sensor
- **Minimum Illumination** – 0 Lux (with IR LED)
- **Lens**
  – Fix Focus Lens, Aperture: F2.0
  – Diagonal View Angle: 61° (Horizontal=50°, Vertical=39°)

Network

- **Ethernet** – 10/100 Base-T, Auto-MDIX
- **Protocols** – TCP/IP, HTTP, HTTPS, IPv4, RTSP/RTP, RTCP, QoS, DHCP, NTP, FTP, SMTP, DNS, DDNS, UPnP, IGMP, ICMP, Customized API Protocol Compatible
- **Wireless** – IEEE 802.11b/g/n, WEP 64/128 bit, WPA/WPA2 Personal

Hardware

- **Connectors** – RJ-45 for Ethernet; DC Power Jack
- **Processors and Memory**
  – SoC: ARM9, 300M Hz
  – RAM: 128 MB
  – Flash: 16 MB
- **LED and Button**
  – LED: Power, Network
  – Button: WPS / Reset
- **Night Vision**
  – IR LED x 10
  – Light Sensor x 1
- **Power Consumption** – 12V DC, Max 5.8W
- **Compliance**
  – FCC, CE
  – Power Supply: UL
- **Dimensions (H x W x D)** – 79mm x 79mm x 23mm (3.11" x 3.11" x 0.91")

Environment

- **Operation** – Temperature: 0° – 40°C (32° – 104°F); Humidity: 0% – 80% RH (non-condensing)
- **Storage** – Temperature: -20° – 70°C (-4° – 158°F); Humidity: 0% – 90% RH (non-condensing)

Accessories

- Ethernet Cable, Power Supply (12V/1A, 100-240VAC)

iPCAM-WL Compatibility Chart

VAM	Tuxedo Touch™ Wi-Fi® Rev 5.1.9.0_VA & greater	Honeywell Total Connect 2.0	Honeywell Total Connect 1.0	LYNX Touch Systems
✓	✓	✓	x	*

✓Compatible
ˣNot compatible
*Does not support "local viewing" on LYNX Touch systems

Honeywell Total Connect™

VIDEO SOLUTIONS

Honeywell

iPCAM-PT

WIRED/WIRELESS INDOOR IP CAMERA WITH PAN/TILT ABILITY

FEATURES AND SPECIFICATIONS

Video

- **Image Sensor** – CMOS 1/4" VGA resolution
- **LENS** – F2.0 Fixed Focus, Effective range:
  50cm to infinity
- **Compression** – MPEG-4/M-JPEG Dual Stream
- **Resolution** – Support 640 x 480
- **Frame Rate** – Up to 30 frames per second in VGA
  (640 x 480)
- **Image Control** – AWB, AGC, Sharpness, Brightness

Pan/Tilt

- **Pan Range** – 300° (Left 150° ~ Right 150°) +
  53° View Angle
- **Tilt Range** – 120° (Up 90° ~ Down 30°) +
  53° View Angle

Wireless (RC8061)

- **Standard** – IEEE 802.11g
- **Encryptions** – WEP 64 Bits/128 Bits, WPA/WPA2
  Personal, WPS

Hardware

- **LED Indicators** – Power, Active, Network
- **Connector Ethernet** – RJ-45, DC Power, Reset,
  External Microphone
- **Motion Sensor** – 15 ft., 100° area coverage
- **Bright Light LED** – Four white light LEDs light up
  to 15 ft.
- **Privacy Button** – Privacy button for
  video enable/disable
- **Power Adapter** – 5V/2A, 100 VAC
- **Certification** – CE/FCC Listed
- **Dimensions** – 5.7" H x 3.8" W x 3.1" D
- **Weight** – 1.5 lbs.
- **Operating Temperature** – 23°F – 122°F
  (-5°C – 50°C)

Honeywell Total Connect™

VIDEO SOLUTIONS

Honeywell

iPCAM-WO

WIRED/WIRELESS COLOR
OUTDOOR IP CAMERA

FEATURES AND SPECIFICATIONS

Video

- **Image Sensor** – Omnivision OV7740 1/5"
  CMOS Sensor

- **LENS** – F2.0 Fixed Focus (FOV 62° diagonal)

- **Compression** – MPEG-4/M-JPEG Dual Stream

- **Resolution** – Support 640 x 480, 320 x 240,
  160 x 120

- **Frame Rate** – Up to 30 frames per second for all
  streams at all resolutions

- **Image Control** – AWB, AGC, Sharpness, Brightness,
  ACE, Image Quality, Time Stamp and Text Overlay

Wireless (RC8061)

- **Standard** – IEEE 802.11B/G/N

- **Encryptions** – WEP 64 Bits/128 Bits, WPA/WPA2
  Personal, WPS

Hardware

- **LED Indicator** – Network/WPS

- **Connectors (Waterproof)** – Ethernet,
  RJ45 connector, power jack, 2.5mm phone jack,
  reset tack switch

- **Motion Sensor** – 9.84 ft. to 16.4 ft., 60° coverage

- **Power Adapter** – External power adapter:
  12V/1A, 100 to 240 VAC, switching

- **Certification** – CE/FCC Listed

- **Dimensions** – 4.05" H x 3.7" W x 1.46" D

- **Weight** – 1.98 lbs. (900g)

- **Operating Temperature** – 10°F – 113°F (-23°C – 45°C)

- **Housing Structure**
  – Top cover: plastic
  – Rear housing: casting metal
  – Stand: metal

Infrared

- **Automatic IR-cut switcher** – for Day/Night
  mode switching to get better video quality
  (IR distance = up to 25 feet)

- **IR LED** – for enhancing low light performance

- **Built-in light sensor** – for detecting light sensitivity
  more accurately

Honeywell Total Connect™

VIDEO SOLUTIONS

Honeywell

iPCAM-WI2

WIRED/WIRELESS INDOOR IP
CAMERA (WHITE)

iPCAM-WI2B

WIRED/WIRELESS INDOOR IP
CAMERA (BLACK)

FEATURES AND SPECIFICATIONS

- **Image Sensor**
  CMOS 1/6" VGA resolution

- **LENS**
  F2.8 fixed focus

- **LED Indicators**
  Power and network status

- **Wired/Wireless Internet Connectivity**
  RJ-45 Ethernet connector or wireless using
  Wi-Fi technology

- **Wi-Fi® Capable**
  802.11g

- **Encryption**
  Push button WPS (Wi-Fi Protected Setup) providing
  secure wireless communication

- **Video Compression**
  MPEG-4 and M-JPEG streaming up to 30 FPS

- **Video Resolution**
  640 x 480

- **Power Supply Included**
  5V/1A

- **Upgradeable Firmware**
  allows firmware updates over the Internet

- **Screw mount base**

- **Dimensions**
  3.8" H x 3.5" W x 1.4" D

- **Weight**
  0.93 lb. (422g) with stand

- **Operating Temperature**
  23°F – 122°F (-5°C – 50°C)

- **Listings**
  CE/FCC Listed

- **Honeywell Total Connect Ready***
  Remote service required for viewing
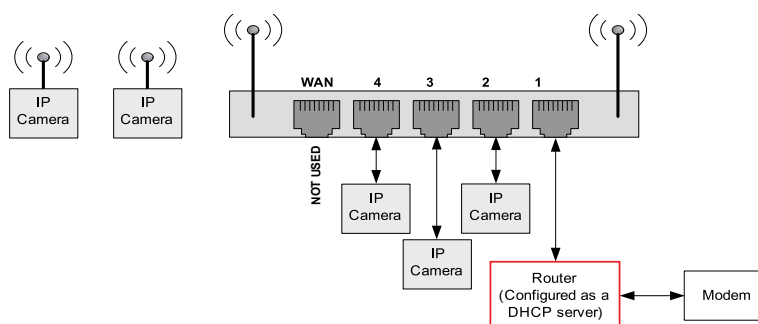 *Subscription service required.

WAP-PLUS

WIRELESS ACCESS POINT

FEATURES AND SPECIFICATIONS

- 802.11 G/N Wi-Fi Protocols

- Supports Honeywell Total Connect
  Video applications

- Optimized for Video Streaming

- Enhanced Network Security

- Simple configuration using Wi-Fi Protected
  Setup (WPS)

Wired or Wireless IP Camera Setup to the WAP-PLUS (Wireless Access Point)

5

Honeywell Total Connect™

VIDEO SOLUTIONS

Honeywell

WREX

Wi-Fi® REPEATER EXTENDER

FEATURES AND SPECIFICATIONS

- **Supports 802.11b/g/n Wireless Standards**
  The WREX is compatible with the most popular wireless standards. 802.11n, 802.11g and 802.11b wireless devices can be used simultaneously.

- **Bridge Mode for Wired Clients**
  Connect a wired IP device to the Ethernet port to convert it to wireless.

- **WPS Support**
  WPS (Wi-Fi Protected Setup) simplifies the process of connecting devices to the wireless networks by using the push button configuration on the device.

Network
- **LAN Port** – 1 (10/100 Mbit/sec port)
- **Wi-Fi** – IEEE 802.11b/g/n
- **Support Standard** – IEEE 802.3, IEEE 802.3u, 10/100 Base-TX, Auto Negotiation, Auto-MDIX

Wireless
- **Wireless Security** – WPS push-button configuration
- **Antenna Power** – 1.8 dBi
- **Antenna Type** – External Detachable x 2
- **PA RF Power** – About + 20 dBm (Low Data Rates)/ +18 dBm (High Data Rates)

Hardware
- **LED Indicators** – Power, WPS, Wi-Fi uplink, Wi-Fi client connected, Ethernet
- **Push Button** – Power, WPS, Reset
- **Dimensions (H x W x D)** – 67mm x 40mm x 86.5mm
- **Compliance** – FCC, UL

Power Supply
- **Input** – 100 ~ 240 VAC (Built-in Power)

Environment
- **Operation** – Temperature: 0°-50°C (32°-122°F); Humidity: 8%-95% RH (non-condensing)
- **Storage** – Temperature: -20°-85°C (-4°-158°F); Humidity: 5%-95% RH (non-condensing)

Honeywell Total Connect™

VIDEO SOLUTIONS

Honeywell

ACU

ANALOG CONVERTER UNIT

FEATURES AND SPECIFICATIONS

General
- **Indicators** – Power; Active; Network
- **Button** – Reset/WPS
- **Connectors**
  - Ethernet, RJ45 connector
  - Composite video input, BNC connector
  - Composite video output (loop out), BNC connector
  - Reset button
  - DC power jack
- **Housing structure** – Aluminum body and panels with wall mount kits
- **Dimensions** – 1.18" H x 3.54" W x 5.51" L
- **Weight** – 0.77 lbs. (350g)
- **Operating temperature** – 32°F to 104°F (0°C to 40°C)
- **Humidity** – 10-80%
- **Power** – 12VDC

Hardware
- **High quality analog TV decoder supporting NTSC and PAL standard**
- **Provides MPEG4 Simple Profile**
- **LAN** – 10/100 Base TX Ethernet with auto-MDIX
- **Hardware 128-bit AES and 64-bit DES/3DES data encrytion**

Firmware
- **Supports motion detection by analyzing video stream**
- **Image controls** – Auto White Balance (AWB), Auto Gain Control (AGC), Sharpness, Image Quality, Time Stamp and Text Overlay

Video
- **Compression** – MPEG-4 SP; MJPEG
- **Resolution**
  - 640 x 480
  - Up to 30 FPS
- **Video Controls** – NTSC/PAL auto detect
- **Video Streaming** – Simultaneous MPEG-4 and MJPEG 3GPP/ISMA compatible

Alerts*
- **Motion detection** – Four detection areas with individual sensitivity
- **Email alert**

Network
- **Ethernet** – 10/100 Base T, Auto-MDIX
- **Wireless** – IEEE 802.11 b/g/n

Processors and Memory
- **SoC** – ARM9 (500 MHz)
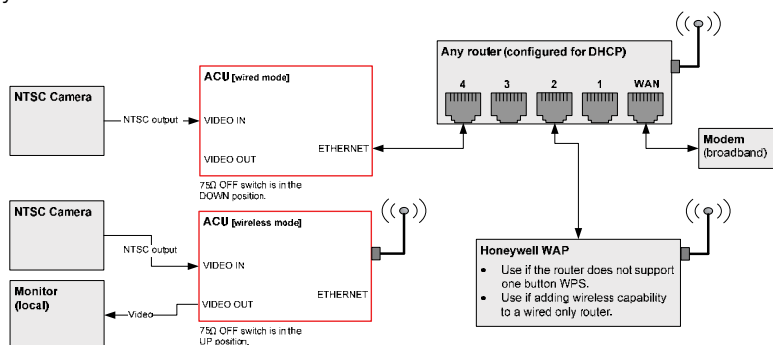- **RAM** – 64 MB
- **Flash** – 8 MB

Compliance
- **CE**
- **FCC**
- **UL (Power Supply)**

Accessories
- **Power Supply** – 12V/1A, 100-240 VAC
- **Quick Installation Guide**

*With Total Connect Remote Services subscription.

Honeywell Total Connect™
VIDEO SOLUTIONS

ORDERING

IPCAM-WL	Wired/Wireless Indoor Low-Light IP Camera	**IPCAM-WI2**	Wired/Wireless Indoor IP Camera (White)
IPCAM-PT	Wired/Wireless Indoor IP Camera with Pan/Tilt Ability	**IPCAM-WI2B**	Wired/Wireless IP Camera (Black)
IPCAM-WO	Wired/Wireless Color Outdoor IP Camera	**WAP-PLUS**	Wireless Access Point
		WREX	Wi-Fi® Repeater Extender
		ACU	Wired/Wireless Analog Converter Unit

For more information:

www.honeywell.com/security

Automation and Control Solutions

Honeywell Security Products Americas

2 Corporate Center Dr. Suite 100

P.O. Box 9040

Melville, NY 11747

1.800.467.5875

www.honeywell.com

Honeywell