HIVDC-100P

TRUE DAY/NIGHT VANDAL DOME NETWORK CAMERA

The Honeywell HIVDC-100P true day/night vandal dome network camera is a high performance, 1/3" CCD network camera offering the latest in digital video surveillance in an ultra compact and vandal resistant camera. It combines world-class video performance with the Honeywell networking technology, providing high quality streaming H.264 images in D1,HD1, VGA, QVGA, CIF or QCIF resolutions with rates up to 25 frames per second for PAL systems.

The HIVDC-100P camera adapts to varying lighting conditions to ensure the high picture quality even in extreme low light conditions. When the light level drops too low for accurate video identification in color, the camera automatically switches to black and white video to capture more detail.

The HIVDC-100P has built-in Power over Ethernet (IEEE 802.3af), which allows power to be supplied to the camera using the network, eliminating the need for a separate power supply and reducing the cost of installation. For additional installation flexibility the unit can also be powered with 12 VDC or 24 VAC.

Market Opportunities

The HIVDC-100P is a network surveillance solution designed for object recognition that is required in locations where variable light conditions exist. Its discreet, vandal-resistant and outdoor design provides maximum protection against dust, dirt and water and is also impact resistant. This provides optimum performance for both indoor and outdoor applications.

Features

- D1, HD1, VGA, QVGA, CIF or QCIF resolutions

- 1/3" color CCD, 540 TVL

- Excellent low light performance, down to 0.4 lux

- Video Motion Detection

- H.264 compression

- Remote firmware updates

- Supports both Dynamic and Static IP addresses

- Variable day/night threshold setting to accommodate switching to black and white images in low light

- Multiple levels of password protected remote access prevents unauthorized users from altering system settings

- Includes advanced IP locator software to make system setup easy

- Web server for remote setup of camera video and network parameters

- 12 VDC/24 VAC or PoE IEEE 802.3af choice of power inputs

- IP 66 rated, resistant against water and dust
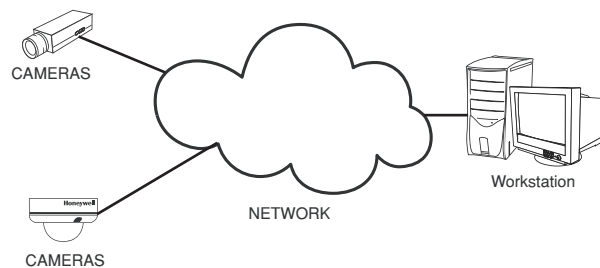
- Supports two-way audio

SPECIFICATIONS

The HIVDC-100P uses Honeywell proprietary technology for camera video motion detection, remote firmware updating and for secure storage of all camera settings. Honeywell's technology also allows users to remotely upload firmware to the camera. Setup is quick and easy and can be customized through a Web client. The built-in Web server provides password protected access to the cameras video and network setup.

System Diagram

Internet Explorer or Honeywell IT Utility
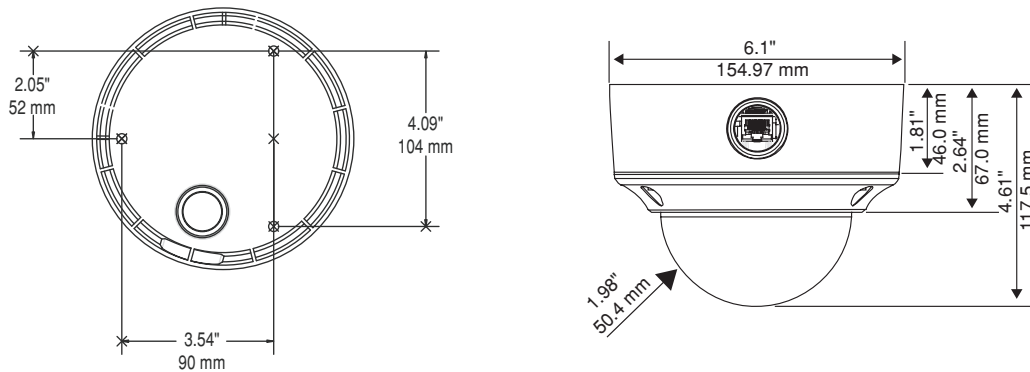

Hybrid System Diagram

HIVDC-100P

SPECIFICATIONS

Operational	
Video Standard	PAL
Scanning System	625/50 lines (PAL)
Image Sensor	1/3" CCD
Number of Pixels (H x V)	752 x 582 (PAL)
Minimum Illumination	0.6 lux color/0.4 lux BW @ 50 IRE, F1.3
Horizontal Resolution	Greater than 540 TVL
Video Output	1.0 Vp-p @ 75 Ohms
Sync System	Internal
S/N Ratio	50 dB or more (AGC off)
Auto Gain Control	Off/On, selectable
Automatic Electronic Shutter	1/50 - 1/100,000 sec (PAL)
Automatic Lens Control	DC Iris Level 1-25
Lens Type	Direct Drive (DC) 2.8 mm to 10.0 mm Vari-focal Auto Iris, F1.3
White Balance	ATW, User Fixed, AWC (Auto or Manual), Fluorescent, MWB (Manual Mode), Indoor, Outdoor
Back Light Compensation	Off/On (Low, Mid, High)
Flickerless	Off/On, switchable
Gamma	0.45
Audio/Two-Way	Line in/out

Electrical	
Input Voltage	12 VDC/24 VAC, PoE IEEE 802.3af
Input Range	11~16 VDC, 17~28 VAC
Surge Suppression	1.5 kW transient
Power Consumption	8 W (max)

Mechanical	
Dimensions (W x H x D)	See Diagram
Weight	3.0 lb (1.3 kg) camera only
Construction	Housing: Aluminum Finish: Cool Gray Powder Coat Dome: Polycarbonate
Connector	Aux Video Output: 2-pin connector for video test cable Power Input: Removable screw block Alarm I/O: Removable screw block Network: RJ45 connector Audio In: Removable screw block Audio Out: Removable screw block

Environmental	
Temperature	Operating: 14°F to122°F (-10°C to 50°C) Storage: -4 °F to140°F (-20°C to 60°C)
Relative Humidity	0% to 85%, non-condensing
Thermostat Operation	Thermostatically controlled to activate <113 °F (<45 °C)
Rating	IP66

IP Specifications				
Video Compression	H.264			
Resolutions	D1	720 x 576	H D 1	720 x 288
	VGA	640 x 480	QVGA	320 x 240
	CIF	352 x 288	QCIF	176 x 144
Frame Rate PAL	Up to 25 fps video in all resolutions			
Video Streaming	H.264 controllable frame rate and bandwidth. Constant or variable bit rate			
Security	Multiple user access levels with password protection			
Users	1 Administrator, 4 Guests			
Video Access from Web Browser	Camera live view for up to 5 clients. Full control of all camera settings available to administrator			
Minimum Web Browsing Requirements	Pentium IV CPU 2.4 GHz or equivalent AMD, 512 MB RAM, AGP graphics card 32 MB RAM Windows XP 2000, Internet Explorer 6.0 or later			
Supported Protocols	HTTP, RTSP, RTP, SSL/TLS,PPPoE, UDP, TCP, IP, Telnet, ICMP, ARP,NTP,IGMP			

Ordering	
HIVDC-100P	True Day/Night Vandal Dome Network Camera, 540 TVL, 2.8 - 10 mm VFAI, 12 VDC/24 VAC or PoE IEEE 802.3af, PAL

NOTE:Honeywell reserves the right without notification to make changes in product design or specifications

For more information:

Security Asia Pacific Headquarters:	Tel: (86) 21-5257 4568	Security India	Tel: (91) 124 4029800
Security Australia	Tel: (61) 2-8837 9300	Security Korea	Tel: (82) 2-799 6130
Security China	Tel: (86) 21 5257 4568	Security Singapore	Tel: (65) 6333 9563
Security Hong Kong	Tel: (852) 2405 2323	Security Taiwan	Tel: (886) 2-2245 1000

www.asia.security.honeywell.com
security.ap@honeywell.com

Honeywell

Honeywell Security & Data Collection
Automation & Control Solutions
Honeywell International Inc.
www.security.honeywell.com

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