



### Precision Monitoring

Pan, tilt, and zoom apparatus provides a 360 degree range of motion with proportional speed adjustment

### Wide Dynamic Range

Wide Dynamic Range technology neutralizes imperfect lighting, providing clear images with the right amount of contrast even when a subject is backlit

### High-quality video feeds

Real-time video compression using the H.264, MPEG-4, and MJPEG codecs

### Features:

- Sony Super HAD-II 1/4" CCD sensor
- WDR/BLC for critical light sources
- Excellent image quality and low light performance
- Built-in removable IR-cut filter for day/night surveillance
- 12X optical zoom and 12X digital zoom
- Focal length: 3.4 to 61.2 mm
- Angle of view (Horizontal): 3.6° to 60.8°
- 650 TVL high resolution video
- 3D deinterlacing
- 2D/3D noise reduction
- Real-time H.264, MPEG-4, and Motion JPEG compression
- Simultaneous multi-stream support
- 2-way audio support
- 3GPP mobile surveillance
- ONVIF compliant
- Built-in Samba client for NAS
- Privacy Mask feature
- Supports multiple access lists
- 8 alarm inputs / 1 alarm output

## 12X Speed Dome Network Camera



### 24/7 Camera Surveillance

The DCS-6616 12X Speed Dome Network Camera is a PTZ dome surveillance camera that can cover large areas and low-light environments. Built with a Sony Super HAD-II 1/4" CCD sensor, the DCS-6616 can capture 650 TVL high-resolution video with excellent image quality. A built-in IR-cut removable filter allows the camera to capture video in both bright and dark environments. During the day, the IR-cut filter stays in place to provide high-quality images. At night, the IR-cut filter moves out of the way, allowing the camera to use all available light for low-light surveillance.

### Versatile Pan/Tilt/Zoom (PTZ) Functionality

The DCS-6616 is built with an extensive set of PTZ features that allow large areas to be monitored easily. Endless 360° panning allows the camera to sweep an area easily, and 12X optical zoom with auto focus provides the ability to zoom in and focus on an event for more detail. Panning speed is variable and proportional to the zoom ratio for precise control over camera movement. The DCS-6616 can also be set to follow preset sequence paths at set speeds for customized automatic surveillance.

### Flexible Connectivity

The DCS-6616 includes input and output ports that allow connectivity to external devices such as IR sensors, switches, and alarm relays. It includes audio input and output ports, and a video output for direct connection to a TV for live monitoring.

### Wide Dynamic Range (WDR) Applications

The Wide Dynamic Range (WDR) function provides clear images even under backlit conditions where the intensity of illumination can vary significantly, making the DCS-6616 perfect for extreme high-contrast environments. For example, when placed indoors, the DCS-6616 will adjust itself to the intense sunlight that may be streaming in through a nearby window. This makes it an ideal solution for security applications.

### Multiple Video Streams

The DCS-6616 supports simultaneous streaming of H.264, MPEG-4, and MJPEG video to provide both high-quality and bandwidth-efficient compression formats. MJPEG delivers excellent file integrity, and is ideal for situations which require high image detail. H.264 and MPEG-4 produce a small file size, useful for extended recording or for use in low-bandwidth networks. Additionally, the DCS-6616 supports multicast H.264 and MPEG-4 streaming, allowing users to view the camera feed by subscribing to a multicast IP address on the network.





## 12X Speed Dome Network Camera

### Technical Specifications

Camera	<b>Camera Hardware Profile</b>	<ul style="list-style-type: none"> <li>▪ Sony Super HAD-II 1/4" CCD sensor</li> <li>▪ 650 TVL resolution</li> <li>▪ Minimum illumination: 0.1 lux (Color), 0.01 lux (B/W)</li> <li>▪ Built-in Infrared-Cut Removable (ICR) filter module</li> <li>▪ Electronic shutter: 1 to 1/10000 second</li> <li>▪ S/N ratio &gt; 50 dB (AGC off)</li> </ul>	<ul style="list-style-type: none"> <li>▪ 12x optical zoom</li> <li>▪ Fixed length: 3.8 to 45.6 mm</li> <li>▪ Aperture: F1.6 to F2.7</li> <li>▪ Angle of view: (H) 4.49° to 52.8° (V) 3.40° to 39.7° (D) 55.4° to 65.4°</li> </ul>	
	<b>PTZ Hardware Profile</b>	<ul style="list-style-type: none"> <li>▪ Pan travel: 360° endless</li> <li>▪ Tilt travel: 10° to 170°</li> <li>▪ Manual speed: 1° to 80°/second</li> <li>▪ Presets: 256 points</li> <li>▪ Preset Accuracy: 0.225°</li> <li>▪ Preset Speed: 10° to 400°/second</li> <li>▪ Sequence Paths: 8</li> <li>▪ Auto Pan Paths: 4</li> <li>▪ Cruise Paths: 8</li> </ul>	<ul style="list-style-type: none"> <li>▪ Pan and tilt speed proportional to zoom ratio</li> <li>▪ Resume after power loss</li> <li>▪ Home Functions: Preset, Sequence, Auto Pan, Cruise</li> <li>▪ Auto Flip: Mechanical/Digital/Off</li> <li>▪ Digital Slow Shutter</li> <li>▪ Image Freeze</li> <li>▪ Image Inverse</li> </ul>	
	<b>Image Features</b>	<ul style="list-style-type: none"> <li>▪ Configurable image size, quality, frame rate, and bit rate</li> <li>▪ Time stamp and text overlays</li> <li>▪ Configurable motion detection windows</li> </ul>	<ul style="list-style-type: none"> <li>▪ 16 configurable privacy mask zones</li> <li>▪ Configurable white balance, shutter speed, brightness, saturation, contrast, and sharpness</li> </ul>	
	<b>Video Compression</b>	<ul style="list-style-type: none"> <li>▪ Simultaneous H.264/MPEG-4/MJPEG format compression</li> </ul>	<ul style="list-style-type: none"> <li>▪ JPEG for still images</li> </ul>	
	<b>Video Resolution</b>	NTSC: 720 x 480, 352 x 240, 176 x 120 at up to 30 fps PAL: 720 x 576, 352 x 288, 176 x 144 at up to 25 fps		
	<b>Audio Support</b>	G.726		
	<b>External Device Interfaces</b>	<ul style="list-style-type: none"> <li>▪ 10/100 BASE-TX Ethernet port</li> <li>▪ 8 alarm inputs</li> <li>▪ 1 alarm output</li> </ul>	<ul style="list-style-type: none"> <li>▪ Audio input/output</li> <li>▪ Video output</li> </ul>	
	Network	<b>Network Protocols</b>	IPv4, TCP/IP, UDP, ICMP, DHCP Client, NTP Client (D-Link), DNS Client, DDNS Client (D-Link), SMTP Client, FTP Client, HTTP / HTTPS, Samba Client, PPPoE, UPnP Port Forwarding, RTP / RTSP / RTCP, IP filtering, 3GPP, IGMP, ONVIF Compliant	
<b>Security</b>		<ul style="list-style-type: none"> <li>▪ Administrator and user group protection</li> </ul>	<ul style="list-style-type: none"> <li>▪ Password authentication</li> </ul>	
System Management	<b>System Requirements for Web Interface</b>	<ul style="list-style-type: none"> <li>▪ Operating System: Microsoft Windows 7/Vista/XP/2000</li> <li>▪ Browser: Internet Explorer, Firefox, Netscape, Opera</li> </ul>		
	<b>Event Management</b>	<ul style="list-style-type: none"> <li>▪ Motion detection</li> <li>▪ Event notification and upload snapshots/video clips via HTTP, SMTP, or FTP</li> </ul>	<ul style="list-style-type: none"> <li>▪ Supports multiple HTTP, SMTP, and FTP servers</li> <li>▪ Multiple event notifications</li> <li>▪ Multiple recording methods for easy backup</li> </ul>	
	<b>Remote Management</b>	<ul style="list-style-type: none"> <li>▪ Configuration accessible via web browser</li> <li>▪ Take snapshots/video clips and save to local hard drive or NAS via web browser</li> </ul>		
	<b>Mobile Support</b>	Windows 7/Vista/XP system, Pocket PC, or mobile phone with 3GPP playback support		
	<b>D-ViewCam™ System Requirements</b>	<ul style="list-style-type: none"> <li>▪ Operating System: Microsoft Windows 7/Vista/XP</li> <li>▪ Web Browser: Internet Explorer 6 or higher</li> </ul>	<ul style="list-style-type: none"> <li>▪ Protocol: Standard TCP/IP</li> </ul>	
	<b>D-ViewCam™ Software Functions</b>	<ul style="list-style-type: none"> <li>▪ Remote management/control of up to 32 cameras</li> <li>▪ Viewing of up to 32 cameras on one screen</li> </ul>	<ul style="list-style-type: none"> <li>▪ Supports all management functions provided in web interface</li> <li>▪ Scheduled motion triggered, or manual recording options</li> </ul>	



## 12X Speed Dome Network Camera

General	Power Input	DC 12 V/2 A
	Max. Power Consumption	14 W
	Operating Temperature	0 to 40 °C (32 to 104 °F)
	Storage Temperature	-20 to 70 °C (-4 to 158 °F)
	Humidity	20% to 80% non-condensing
	Weight	1.2 kg (2.6 lbs)
	Certifications	CE (Class A), CE LVD (EN60965-1), FCC (Class A), ICES-003, C-Tick
Dimensions		



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