CCTV

Hybrid security MJPEG/MPEG4 IP camera range

SIEMENS

Select the optimal compression standard suiting your requirements

With three models for colour, day-night, and day-night with Wide Dynamic, the new range of network IP cameras offers the right camera for every application. The compression standard is selectable between MJPEG or MPEG4, this ensures the highest flexibility and allows a system to be optimised depending upon image quality or bandwidth. The high performance CCD sensor enables very high light sensitivity to deliver outstanding images when either used in- or outdoors, by day or night.

Combining analogue BNC and digital IP technology in one device, allowing selection between compression standards MJPEG and MPEG4.

Combining digital and analogue technology

Hybrid Technology from Siemens brings together two worlds

This range offers truly the best of both worlds, as a standard analogue BNC connection is present for use in traditional CCTV systems. However, with Hybrid Technology from Siemens, the camera is future-proof, because as the system is transferred to digital (i.e. swapped from coaxial cable to Ethernet transmission), these cameras also have an Ethernet connector to allow direct connection to an IP network.

For more flexibility

The two main compression standards on today's security market are MJPEG and MPEG4. This new IP camera range supports both standards and can so be used in a multitude of applications.

True digital recording over networks

True digital recording of these streaming images is possible over a network. In MJPEG mode the images can be recorded via one of the SISTORE MX systems: the hybrid video recording platform SISTORE MX, the Network Video Software SISTORE MX NVS (installed on a standard PC) or on the industrial oriented Network Video Recorder SISTORE MX NVR (Vers. 2.70). In MPEG4 mode, SISTORE CX supports the virtual matrix functionality (version 3.5).

Playback via PC video players

The cameras support MPEG4 and the international standard RTSP (Real Time Streaming Protocol). Due to RTSP, the MPEG4 video streams can be replayed using standard PC video players such as Quick Time or VLC.

User-friendly and secure

Due to the integrated Web server it is possible to access the camera from any standard Web browser and view video images. Various password and security user profiles, together with the integrated firewall protect against unwanted access, making them true security IP cameras.

Integrated activity detection

The range also includes built-in activity detection as standard. An area of interest can be easily defined in the video image using the on-screen display. If activity is detected or an external alarm input is triggered, the cameras save the alarm images. An internal 128 MB flash memory card is used to store alarm images, this is particularly useful in the case of a network failure, to ensure a secure backup.

Alarm and message forwarding

If an alarm is triggered via the integrated activity detection or via the external alarm input (e.g. from a PIR intrusion detector placed next to the camera or a door contact) the camera can automatically send the alarm image to a predefined e-mail address . This also applies to unauthorised access (someone entering the wrong login ID or password). Customers are assured that the facility is secure and informed immediately of any events, ready to follow security procedures.

Integrated microphone

Using the integrated microphone, resolving situations can be supported by additional audio information. An external microphone can be connected, e.g. if it is used externally in a weatherproof housing.

Pan/tilt/zoom (PTZ) control

Using the integrated Web server or in combination with a DVR featuring PTZ control, these cameras provide a local telemetry output receiving telemetry data over the Ethernet. All three models feature an RS485 output for telemetry equipment mounted near the camera.

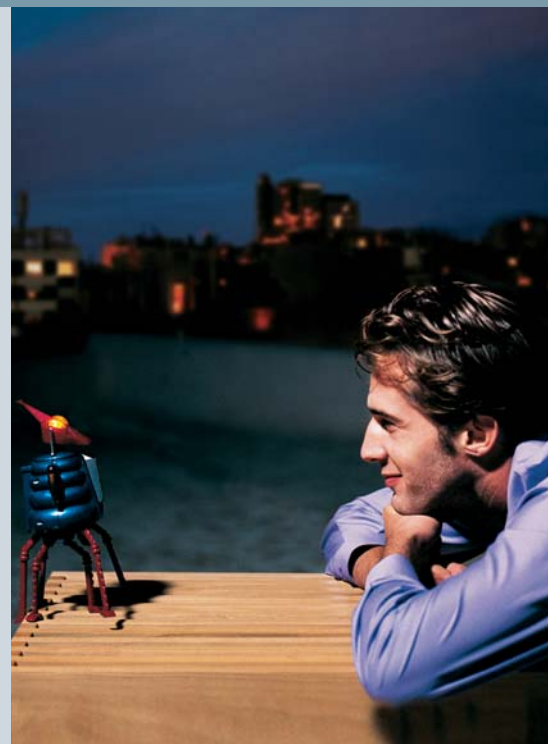|	CCIC1345	CCIS1345	CCIW1345
Type	Colour	Day-Night	Day-Night Wide Dynamic
Image sensor	1/3″ CCD	1/3″ CCD	1/3″ CCD
TV lines	540	540 (colour)/570 (mono)	500 (colour WD)/540 (mono WD)
Compression standard	Selectable MJPEG/MPEG4	Selectable MJPEG/MPEG4	Selectable MJPEG/MPEG4
Streaming	QCIF (176x144)/CIF (352x288)/2CIF (704x288)/4CIF (704x576): max. 25 ips		
Min. illumination (@50 IRE, AGC ON)	0.4 Lux @F1.2	0.4 Lux @F1.2 (colour)/0.1 Lux @F1.2 (B/W)/0.01 Lux @F1.2 (IR illumin.)	
Active pixels	752 x 582	752 x 582	752 x 582
S/N ratio	> 50 dB	> 50 dB	> 50 dB
Mechanical IR cut filter		■	■
Automatic gain control (AGC)	OFF, LOW, HIGH (selectable)	OFF, LOW, HIGH (selectable)	OFF, ON (selectable)
Automatic white balance	AUTO, HOLD	AUTO, HOLD, INDOOR, OUTDOOR	
Back light compensation (BLC)	OFF, ON (selectable)	OFF, ON (selectable)	OFF, ON (selectable)
External input/output	Alarm input, day-night switch input, alarm output		
Microphone	Integrated and external connection		
Protocols	TCP/IP, UDP/IP, DHCP, DNS, HTTP(S), RTP (RTCP, RTSP), SMTP, NTP, IGMP v2, UPnP		
Power supply	24 V AC/PoE	24 V AC/PoE	24 V AC/PoE

Welcome to the world of innovative thinking

■ **Innovation**

For the last 160 years, Siemens has been investing a great deal in both manpower and research and development. This has ensured a constant stream of new insights, technologies and inventions that enable us to continuously improve the reliability of our products and systems to make them easier to install and operate.

Advances in digital technologies are creating a whole new world of possibilities. Siemens has been at the leading edge of progress in this field and continues to redefine both current and future technologies.

■ **Interoperability**

Interoperable systems are now supplied alongside such basic requirements as lighting, heating and water in a building. As a company, we know that integration supports the business environment through the interaction of products and systems. We break down the barriers between our access control, intrusion detection and video surveillance product lines in our security portfolio and listen to what the market actually wants. We then develop to deliver both fully integrated and interoperable security systems, based on our 30 years of know-how in security.

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