



CCID1410-ST 1/4" VGA IP PTZ Colour Dome Camera

- Simultaneous MJPEG and MPEG4 encoding
- VGA 640x480 and QVGA 320x240 (max. 30 ips)
- Progressive scan autofocus camera module
- 350° panning, 90° tilting with “virtual 360°” function
- 64 preset positions
- 4 patterns with 360 seconds recording
- Standardized protocols: TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, ARP, ICMP, FTPc, FTPs, DDNS, RTP (RTCP, RTSP), IGMP v3, UPnP, NFS, CIFS
- Simultaneous video transmission of up to 5 independent cropping windows (MJPEG), freely configurable in size and position
- Integrated web server
- Activity (motion) detection
- Event e-mail notification
- Audio event messaging
- Bidirectional audio with integrated microphone
- 2 GB SD card support for local picture storage
- Power over Ethernet (PoE)

The new SIEMENS colour progressive scan PTZ dome camera CCID1410-ST is a true CCTV IP security camera that combines the requirements of classic analogue CCTV cameras with the high performance, flexibility and IT security of a modern video-over-IP device. The integrated PTZ mechanism allows easy tracking of moving objects. Features like activity (motion) detection, the integrated firewall, up to 2 GB SD alarm image memory and e-mail notification turn this IP camera into a true video security device.

MJPEG / MPEG4 Dual Encoding

The IP PTZ camera supports both common video compression standards MJPEG and MPEG4. Usage of standardized protocols enables streaming / recording with existing Siemens SISTORE DVR's: SISTORE MX / MX NVR / MX NVS. The camera provides one MJPEG encoded video stream and a second stream that is MPEG4 encoded with resolution up to VGA (640 x 480).

Cropping

When set up in MJPEG mode, up to 5 different cropping areas can be freely configured in size and position within the visible video. Each of those areas can be transmitted and recorded as an independent video stream at the same time. Usage of a cropped area for observation can reduce the necessary bandwidth for transmission as only the important portion of the scene can be recorded avoiding to stream the full camera view.

Activity detection

Cameras feature integrated activity detection. Administrators can freely configure an activity zone in size and position. In case of changes in this area the camera triggers an alarm that can be reported via e-mail and alarm output.

Local SD recording

The IP cameras are delivered with a 2 GB SD RAM card. This allows local recording of video pictures in case of:

- Triggered alarm (activity detection or local alarm input)
- Time scheduler (user can define individual day and time for recording video picture)
- Network loss: in case the physical connection of the camera network to the optional FTP server is lost, the camera can automatically store video pictures to the SD card locally. The recorded picture can be called from the camera via FTP access.

NAS / FTP recording

For external recording the camera supports recording to SISTORE MX or to an external FTP Server or Network Attached Storage system (NAS). NAS recording is supported for single images and video sequences for the common NAS formats: CIFS and NFS.

Bidirectional audio

The cameras have an integrated microphone and line-input for connection of an external microphone to allow the usage in protective housings. A line output allows the connection of an active loudspeaker to the camera. If so used, pre-recorded wave files can be linked to local camera events such as alarm input or activity detection and are then played automatically once the event is triggered.

Firewall / IP filter

The integrated IP filter gives additional IT security. The administrator can predefine which IP addresses and ports are allowed to access the camera. Thus illegal access to the camera can be blocked locally.

PTZ and “virtual 360°” function

The camera supports the “virtual 360°” function that allows to track moving objects over 360° despite the fact that the panning range supports max. 350°. When reaching the pan limit, the dome immediately “jumps” to the opposite side of the limit and continues panning.

Pattern support

The PTZ dome supports up to 4 individual patterns. In total up to 360 seconds of individual PTZ movements can be recorded to max. 4 different patterns, which can be replayed on demand.

Audio event messaging

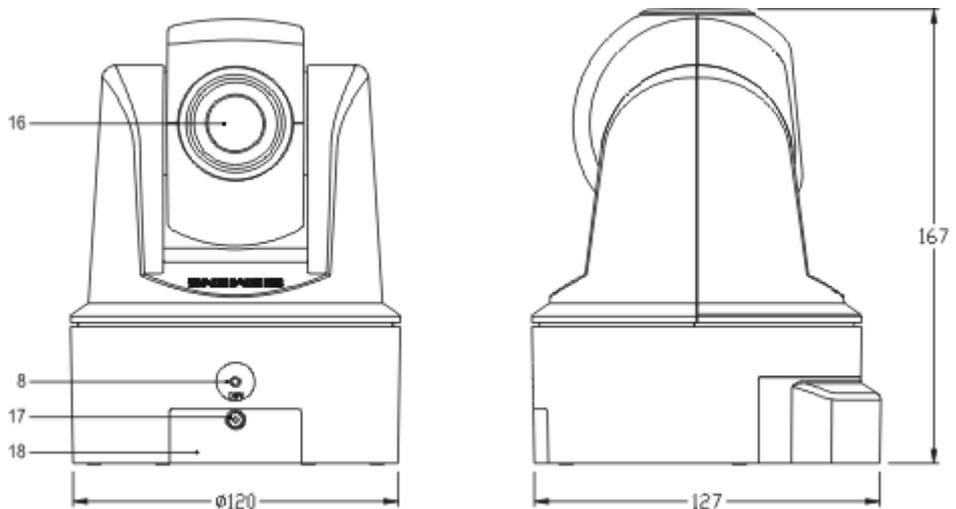
Up to 4 individual *.wav audio files (total audio file size 5 MB) can be uploaded to the camera. The audio files can be played automatically by the camera triggered by any event like local alarm input or motion/activity.

Accessories / CCDA adapter

The optional adapter bracket CCID1410-AB allows the PTZ Dome camera to be used together with the existing range of available CCDA Dome accessories.

This extends the range of applications as the camera can be surface/flush mounted and be used for vandal-proof applications outdoors.

Dimensions



All dimensions are in mm

Technical details

Image System	
Image sensor	1/4" CCD (SuperHAD)
Pixels	330,000 pixels, 640 (H) x 480 (V)
Scanning system	Progressive
Image frame rate	VGA (640 x 480), QVGA (320 x 240) at max. 30 ips
Electronics	
Synchronisation	Internal
Signal/noise ratio	> 50 dB
Minimum illumination	0.7 lx (under F1.8, 1/30 s, AGC on)
Autofocus	Auto/Manual
Shutter speed	1/1 – 1/10000 s (22 steps)
Gain control	HI / MID / LOW / OFF
Back light compensation (BLC)	On/Off
White balance control	Automatic/ATW/Indoor/Outdoor/Manual
Alarm inputs	2
Alarm outputs	1
Mirror	On/Off
Camera titles	On/Off, max. 20 characters
Privacy	On/Off, total 8 zones
Motion detection	8 x 6 windows and 3 level sensitivity (free size and position)
Microphone	Internal
SD card slot	Support of 2 GB SD card
Camera module (optics)	
Maximum relative aperture	F1.8 – 2.9
Focal length	4.2 – 42 mm
Angle of view	Horizontal: 4.6° (tele) – 46° (wide)
Minimum working distance	10 mm (wide end), 1000 mm (tele end)
Digital flip	Yes
Presets	64 (analogue)
Focus type	Automatic
Power supply	
Power requirements	24 V AC, PoE
Power consumption	16 W
Environment	
Ambient temperature, operating	0 – 50 °C
Relative humidity	20 – 80 % (operating) 20 – 85 % (storage) Non-condensing
Ambient temperature, storage	-20 to +60 °C

Network	
Network interface	Ethernet 10/100 Base-T
Image compression method	MJPEG / MPEG4
Resolution	MJPEG: VGA (640 x 480) / QVGA (320 x 240) at 30 ips MPEG4: VGA (640 x 480) / QVGA (320 x 240) at 30 ips
Image quality setting	5 levels
Audio function	Two-way mono audio; full-duplex, G.726 (integrated microphone)
Internet protocols	TCP/IP, UDP, HTTP, SMTP, DNS, DHCP, NTP, ARP, ICMP, FTPc, FTPs, DDNS, RTP (RTCP, RTSP), IGMP v3, UPnP, NFS, CIFS
Web browser	IE browser 6.0 or higher
I/O connector	
Network port	RJ45 with LEDs
Audio in/out port	3.5 mm phone jack
Alarm in/out	2 x alarm in, 1 x alarm out
LED	Status, network link
Power connector	Spring type terminal block
Mechanism	
Pan travel	-175 to +175°
Tilt range degrees	Desktop: -30 to + 90° Ceiling: -90 to +30°
Manual pan speed	90°/s
Manual tilt speed	45°/s
Pan speed	max. 300°/s (at preset)
Tilt speed	max. 200°/s (at preset)
Proportional speed control	Yes
Dimensions (H x D)	167 x 120 mm

Details for ordering

Type	Item No.	Description	Weight
CCID1410-ST	S54561-C82-A1	MJPEG / MPEG4 IP Colour PTZ Dome Camera, 24 V AC, 50 Hz or PoE Accessories, not included in the delivery!	950 g
CCID1410-AB	S54561-B202-A1	Adapter for CCDA Accessories	185 g

Further products and accessories can be found in the Internet:

www.siemens.com/cctv > **Catalogue Downloads**

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