



CCTV

Siemens Dome System: Get the clearest view

SIEMENS





There is a growing need for vigilance

Commercial success and profitability – as well as the safety and security of personnel and the public – can hinge on the active, internal and external surveillance of premises. And, as premises grow in complexity so too do the problems in monitoring them. Not surprisingly therefore, camera systems are playing an increasing role in security on many sites.

In today's systems there are essentially a choice of two camera types: PTZ (Pan-Tilt-Zoom) and dome – with generally higher performing functional dome cameras offering several primary benefits over typical PTZ cameras.



Reliable speed dome cameras

■ 360° operation

With their 360° operation, they give a greater field of vision and can therefore reduce the number of fixed cameras needed to cover a given area.

■ Fully programmable with patterns and presets

Automatically perform regular repetitious functions, such as visual patrols of a site, via the fully programmable patterns and presets.

■ High speed panning and easy control

Their ease of control plus the speed and smoothness of their panning and zooming makes it far easier for the camera operators to spot and track criminal or suspicious activity.

■ Link to alarm

When directly linked to an alarm input, they can be programmed to move automatically and instantly (up to 400° per second) to view the area in alarm.

■ Aesthetic housing

All the equipment is concealed in a single aesthetic housing, suitable for modern stylish environments, such as hotel lobbies, retail stores etc.

■ Professional mounts and housings

All dome models have a full selection of professional mountings for walls, ceilings, corners, poles – almost anything. The housing selection includes surface, flush and outdoor mounts for flexible installation possibilities.

■ Dark “bubble” housing

The dark “bubble” housing makes it virtually impossible to determine where the camera is pointed – preventing anybody attempting to carry out any criminal act while the camera is focused elsewhere.

■ Can be supplemented with dummy housings

To increase the deterrent effect in the most cost-effective way, the system can be supplemented with dummy housings.

■ Control keyboard

This range of functional domes can be easily controlled via the ergonomic controllers from Siemens. With models including tri-axis variable speed joystick, or fixed speed control, there is a controller to match any requirement.

With so many advantages, these reliable, high-performance dome cameras are ideal for: shops, supermarkets, car parks, business premises, town centres, casinos, hospitals, government facilities etc.

Highlights

- 360° operation
- Fully programmable with patterns and presets
- High speed panning and easy control
- Link to alarm
- Aesthetic housing
- Professional housing and mounts
- Dark “bubble” housing
- Can be supplemented with dummy housings
- Control keyboard



Functional high speed, high sensitivity dome camera

■ A complete product range

The newest additions to the Siemens dome camera range, the CCDA1435 dome system consists of four models. There are two colour versions both with 18x optical zoom, the standard colour (CCDA1435-ST) and low-light colour (CCDA1435-LL). Plus there are two day-night versions, one with 18x optical zoom (CCDA1435-DN) and one with 26x optical zoom (CCDA1435-DNX), ensuring there is a model for every application. All have an "easy-fit" mounting base and housing/eyeball assembly attractively finished in black.

■ Latest technology

All come with a great number of standard features for all environments and bring a new dimension of functionality to the Siemens range. Utilising the latest generation of digital signal processing (DSP), they provide enhanced clarity, colour and detail. They even perform extremely well in areas where there is poor lighting, particularly the low-light model as this is specifically designed for this type of environment, continuing to produce colour images, even when light levels fall.

The CCDA1435 range also has a 12x digital electronic zoom (with optical zoom providing selectable magnification up to 312x), and continuous auto-focus.

■ Privacy zones

Where operator viewing is not required – in areas such as clothes changing rooms in a retail shop, windows of office or apartment buildings, or PIN numbers on a cash-machines etc. – the CCDA1435 allows the programming of up to 8 user-defined privacy zones. As the camera pans and tilts, a blanked area masks the zone on the operator's monitor and automatically adjusts in size as the camera zooms in and out so that the area is always hidden.

Title naming for preset positions also makes life much easier for camera operators to ensure that they do not lose their orientation.



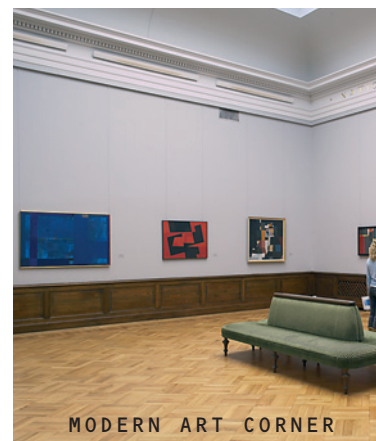
Privacy zones protecting PIN number and account information



Title naming for easier orientation for camera operators
West direction



South direction





CCDA1435



■ **Day-night functionality**

Equipped with a moveable mechanical infra-red (IR) cut filter, the day-night models function like any other colour camera in normal light with the IR filter ensuring colour fidelity. But when light-

ing levels fall, it automatically switches to monochrome operation delivering crisp, sharp black and white images. This makes 24 hour surveillance of unlit areas, a far more viable and practical option, particularly when used with discreet infra-red illuminators.

Suitable for use either indoors or out, CCD A1435 communicates with the dome controller over Siemens RS485 network. It is supported by a complete range of complimentary accessories including several mounting options, one of which – the simple but innovative wall bracket – particularly makes fitting safer and easier for installers.

Highlights

- Definition of up to 8 privacy zones
- Title naming for preset positions
- Day-night models for true around-the-clock surveillance





For remote control of cameras and video surveillance systems: Desktop Controller

■ CKA4820 (with joystick)

The CKA4820 is a standalone control and setup unit for video surveillance systems – with interfaces and functions which make really versatile applications possible!

Highlights

- 2 line LCD display
- Proportional variable speed joystick
- SISTORE AX control of DVRs
- Keyboard lockout facility
- Ergonomic control
- Sturdy keyboard design

A non-slip, compact unit in a sturdy aluminium housing, the CKA4820 has an operator-friendly keyboard that can directly control up to 10 telemetry devices on one RS485 line without additional hardware.

It has 31 keys (including numeric keypad and function keys) and a proportional variable speed joystick with twist zoom - giving full control over the cameras' pan/tilt facilities as well as all available focus/preset controls etc.

Systems can start as a straightforward 1 camera, 1 monitor setup and progress to as many cameras and monitors as required using a Siemens video matrix (SIMATRIX). And, simply by using a Siemens 8 x RS485 distributor, the number of telemetry devices controlled by a single keyboard can be increased to 80. When connecting to a Siemens video

matrix, setup is easy using the 2-line LCD display, the menus being presented in a multiple choice of languages.

Additionally, direct connection is also possible to the Siemens digital recorder – SISTORE AX, with clearly labelled control keys to allow full remote control of up to 8 digital recorders per keyboard.



CKA3210



■ CKA3210 (without joystick)

For remote control of Siemens domes and video matrix systems (not digital recorders).

Though it does not have a joystick or LCD display, the Siemens CKA3210 is also a standalone control and parameterisation unit for video surveillance systems with operator-friendly keyboard that can directly control up to 10 telemetry devices, up to a maximum of 80, however with fixed speed control.

Welcome to the world of innovative thinking

■ Innovation

Siemens invests a great deal in both manpower and research and development. This results in a steady stream of new insights, technologies and inventions that enable us to improve the reliability of our products and systems, ensuring the securest products and making our systems even more simple and convenient to operate.

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

■ Reliability











With a history of over a hundred years, if you need an established, reliable partner you are in the very best of hands with Siemens. System expansions and upgrades can be continuously made over a period of years, which ensures your investment for the future.

■ Security





Siemens products and systems provide you with security. Today, tomorrow and for decades to come. That's why countless customers around the world place their trust in Siemens.



Mounting options

		Order No./ Mounting Option	Indoor surface mounted	Wall mounted	Wall mounted with junction box	Corner wall mounted	Pole mounted	Pedant mounted	Indoor flush mounted
									
CCDA1435		2GF1192-8AA /AB/AC (Dome indoor mount)	■	■	■	■	■	■	■
CAPA2415- C230		2GF1800-8BK (Unboxed PSU 24 VAC)	■	Option	Option	Option	Option	Option	■
CCDA-ODPS		2GF1191-8CA (Weatherproof PSU 24 VAC)	Option	■	■	■	■	■	Option
CCDA1425- WPH		2GF1192-8BA (Dome outdoor housing)		■	■	■	■	■	
CCDA1425- SM		2GF1192-8BB (Dome surface mount indoor housing)	■						
CCDA1425- FM		2GF1192-8BC (Dome flush mount indoor housing)							■
CCDA1425- PMA		2GF1192-8BD (Pole mount adaptor)		Option	Option		■		
CCDA1425- WM		2GF1192-8BE (Wall mount adaptor)		■		■	■		
CCDA1425- WMJ		2GF1192-8BF (Wall mount adaptor with junction box)			■	Option	Option		
CCDA1425- CMA		2GF1192-8BH (Corner mount adaptor)		Option	Option	■			
CCDA1425- PM		2GF1192-8BG (Pendant mount)						■	
CCDA1425-EB		2GF1192-8BJ (Extension bracket)						Option	
CCDA1425- FMSB		2GF1192-8BK (Tinted/smoked bubble for CCDA1425-FM)							Option
CCDA1425- SMSB		2GF1192-8BL (Tinted/smoked bubble for CCDA1425-SM)	Option						
CCDA1425- WPHSB		2GF1192-8BM (Tinted/smoked bubble for CCDA1425-WPH)		Option	Option	Option	Option	Option	

Technical overview

	CCDA1435-ST *CCDA1435-STN	CCDA1435-LL	CCDA1435-DN *CCDA1435-DNN	CCDA1435-DNX
Domes				
CCD size	1/4"	1/4"	1/4"	1/4"
TV Lines	480 lines	480 lines	480 lines	480 lines
Resolution	High resolution	High resolution	High resolution	High resolution
Type	Colour	Low-light colour	Day-night	Day-night
Optical zoom	18x	18x	18x	26x
Digital zoom	12x	12x	12x	12x
Total zoom	216x	216x	216x	312x
TV Standard	PAL or NTSC*	PAL	PAL or NTSC*	PAL
Minimum illumination	1.0 Lux (F1.4)	0.7 Lux (F1.4, 1/50s) 0.05 Lux (F1.4, 1/3s)	0.7 Lux (F1.4, 1/50s) 0.01 Lux (F1.4, 1/3s, night mode)	1.0 Lux (F1.6, 1/50s) 0.01 Lux (F1.6, 1/3s, night mode)
S/N Ration	50 dB	50 dB	50 dB	50 dB
Lens focal length	4.1 – 73.8 mm	4.1 – 73.8 mm	4.1 – 73.8 mm	3.5 – 91 mm
Mechanical IR cut filter			■	■
On screen display menu	■	■	■	■
Manual pan-tilt speed	0.1 – 90°/s	0.1 – 90°/s	0.1 – 90°/s	0.1 – 90°/s
Preset pan-tilt speed	300°/s	300°/s	300°/s	400°/s
Presets	64	64	64	64
Tours	4	4	4	4
Privacy zones	8	8	8	8
Password protection	■	■	■	■
Preset title naming	■	■	■	■
Alarm inputs	4	4	4	4
Alarm output	1	1	1	1
Power	24 VAC, 20 VA	24 VAC, 20 VA	24 VAC, 20 VA	24 VAC, 20 VA

	CKA4820 2GF2400-8EC	CKA3210 2GF2400-8EA
Controllers		
Variable speed joystick	Yes	No
Fixed speed control	Yes	Yes
LCD display	Yes	No
SISTORE AX remote control	Yes	No
Power	12 VDC	12 VDC

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The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.

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