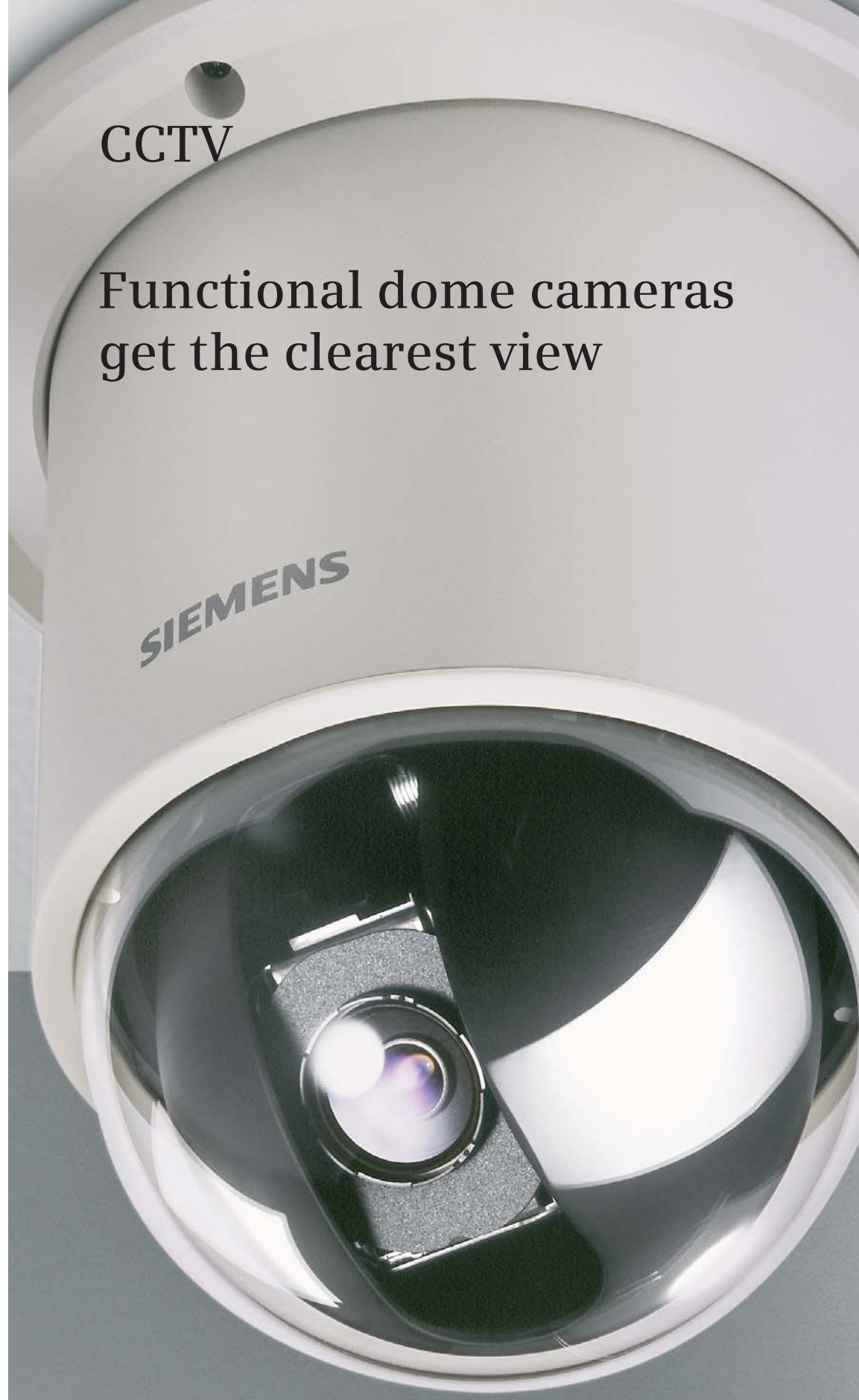




CCTV

Functional dome cameras  
get the clearest view



Answers for infrastructure.

**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, these speed domes 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, like the CKA4820 featuring a tri-axis variable speed joystick control.

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

- For a greater field of vision
- Fully programmable with patterns and presets allowing automation of regular repetitious functions
- High-speed panning and easy control
- Automatic display of areas in alarm
- Aesthetic housing
- Professional housing and mounts
- Can be supplemented with dummy-housings to reach higher deterrent effect
- Ergonomic keyboard controller for flexible remote control







CCDA1435



# Functional high-speed, high-sensitivity dome camera

## ■ A complete product range

The newest additions to the dome camera range from Siemens, 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 for enhanced clarity, colour and detail

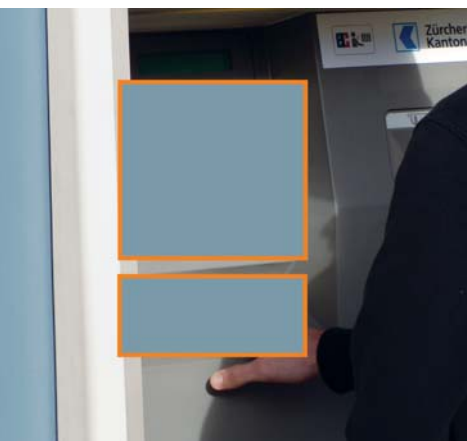
All come with a great number of standard features for all environments and bring a new dimension of functionality to the Siemens range. Utilising the latest generation of digital signal processing (DSP), they provide enhanced clarity, colour and detail. They even perform extremely well in areas where 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.

## ■ Video surveillance yet privacy protected

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 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

Privacy zones protecting PIN number and account information



Title naming for easier orientation for camera operators  
West direction



South direction





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.

#### ■ **Reliable monitoring around-the-clock**

Equipped with a moveable mechanical infrared (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 lighting 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 infrared illuminators.

Suitable for use either indoors or out, CCDA1435 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

- Effective protection of privacy
- Better orientation in the monitored area
- Day-night models for true around-the-clock surveillance





# User-friendly remote control of cameras and video surveillance systems

## ■ Sturdy keyboard CKA4820

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

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 video matrix from Siemens

(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 digital recorder from Siemens – SISTORE AX, with clearly labelled control keys to allow full remote control of up to 8 digital recorders per keyboard.





## Highlights


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

# 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 V AC)	■	optional	optional	optional	optional	optional	■
CCDA-ODPS		2GF1191-8CA (weatherproof PSU 24 V AC)	optional	■	■	■	■	■	optional
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 adapter)		optional	optional		■		
CCDA1425- WM		2GF1192-8BE (wall mount adapter)		■		■	■		
CCDA1425- WMJ		2GF1192-8BF (wall mount adapter with junction box)			■	optional	optional		
CCDA1425- CMA		2GF1192-8BH (corner mount adapter)		optional	optional	■			
CCDA1425- PM		2GF1192-8BG (pendant mount)						■	
CCDA1425-EB		2GF1192-8BJ (extension bracket)						optional	
CCDA1425- FMSB		2GF1192-8BK (tinted/smoked bubble for CCDA1425-FM)							optional
CCDA1425- SMSB		2GF1192-8BL (tinted/smoked bubble for CCDA1425-SM)	optional						
CCDA1425- WPHSB		2GF1192-8BM (tinted/smoked bubble for CCDA1425-WPH)		optional	optional	optional	optional	optional	

# 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 ratio	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 V AC, 20 VA	24 V AC, 20 VA	24 V AC, 20 VA	24 V AC, 20 VA

	CKA4820 2GF2400-8EC
Controllers	
Variable speed joystick	Yes
Fixed speed control	Yes
LCD display	Yes
SISTORE AX remote control	Yes
Power	12 V DC





# 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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The information in this document contains general descriptions of 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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