



# CNE1000

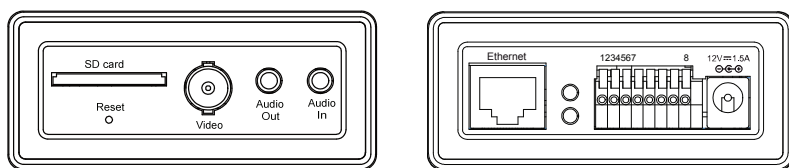
**IP Video Encoder**  
**H.264, MPEG-4, MJPEG**



CNE1000

This state-of-the-art 1-channel IP encoder is the ideal device for supporting the cost-effective migration of analogue to IP video systems. It is provided with PoE functionality and in addition includes an integrated power output, allowing the external power supply of an analogue camera. Due to the H.264, MPEG-4 & MJPEG triple encoding functionality, and the ONVIF compatibility the encoder can be easily integrated into 3<sup>rd</sup> party systems. The integrated motion detection is an enhancement for all analogue systems and the tamper recognition provides additional system security. High internet security is ensured by the integrated password protection as well as port-based authentication.

- H.264, MPEG-4 & MJPEG triple encoding
- PAL & NTSC input signal supported
- High encoding performance: 25 ips @ PAL, 30 ips @ NTSC
- Bidirectional monaural audio
- ONVIF protocol support
- Motion & tamper detection
- SD/SDHC card support for local alarm recording
- RS485 telemetry / PTZ control output
- 12 V DC, 24 V AC & PoE power supply
- 12 V DC / 350 mA output for supply of external devices



### ■ Details for ordering

Type	Part no.	Designation	Weight
CNE1000	S54561-C880-A1	IP Video Encoder	250 g

### ■ Technical data

<b>Model</b>	<b>CNE1000</b>
<b>Video</b>	<b>1-channel IP video encoder</b>
Compression	H.264, MJPEG & MPEG-4, H264
Streaming	Simultaneous multiple streams H.264 streaming over UDP, TCP, HTTP or HTTPS MPEG-4 streaming over UDP, TCP, HTTP or HTTPS MPEG-4 multicast streaming MJPEG streaming over HTTP or HTTPS
Dynamic frame rate control	Activity adaptive streaming
Frame rates	H.264: up to 30/25 fps at 720 x 480 (NTSC) / 720 x 576 (PAL) MPEG-4: up to 30/25 fps at 720 x 480 (NTSC) / 720 x 576 (PAL) MJPEG: up to 30/25 fps at 720 x 480 (NTSC) / 720 x 576 (PAL)
Video In	CVBS 1 Vpp, BNC connector for video output
<b>Image settings</b>	
	Adjustable image size, quality, and bit rate
	Time stamp, text caption, and frame rate overlay
	Flip & mirror
	Configurable brightness, contrast, saturation and sharpness
	Supports privacy masks
<b>Audio</b>	
Compression	GSM-AMR speech compression, bit rate: 4.75 – 12.2 kbps MPEG-4 AAC audio encoding, bit rate: 16 – 128 kbps
Interface	Line level input: up to 1 Vrms audio output
Audio	Supports two-way audio via SIP protocol
Mute	Supports audio mute
<b>Network</b>	
Interface	10/100 Mbps Ethernet, RJ-45
Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, and 802.1X
ONVIF support	Yes

<b>Model</b>	<b>CNE1000</b>
<b>Alarm / event management</b>	
Motion detection	Triple-window video for motion detection
Tamper detection	Yes
Notification	Event notification using HTTP, SMTP, or FTP
Inputs/outputs	1 digital input and 1 digital output for external sensor and alarm-out
<b>Security</b>	
Password	Multi-level user access with password protection (max. 10 clients)
Filtering	IP address filtering
Encryption	HTTPS encrypted data transmission
Authentication	802.1X port-based authentication for network protection
<b>On-board storage</b>	
SD	SD/SDHC card slot (SD card sizes of 2 GB up to 32 GB (Class 6) are supported)
Recording	Snapshots and video clips
<b>Viewing system requirements</b>	
Operating system	Microsoft Windows 2000 / XP / Vista / Windows 7
Browser	Internet Explorer 6.x or above, Mozilla Firefox (not full function)
Player	Cell-phone: 3GPP, Real: 10.5 or above, QT: 6.5 or above
<b>Power</b>	
Power supply	12 V DC / 24 V AC
Power consumption	Max. 5 W
PoE	802.3af-compliant
Power output	12 V DC (max. 350 mA) for supply of external devices (i.e. camera)
<b>Operating environments</b>	
Operating temperature	0 – 50 °C
Storage temperature	-20 – 60 °C
Humidity	20 – 80 % RH, non condensing
Dimensions	130 mm (D) x 78 mm (W) x 34 mm (H)
Weight	250 g

Further products and accessories can be found in the Internet: [siemens.com/cctv](http://siemens.com/cctv) > **Catalogue Downloads**.

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.

© Siemens AG • Document no. A6V10329112 • Edition: **16.05.2011** • Document version: 1.1

Siemens AG  
Siemensallee 84  
D-76187 Karlsruhe  
Tel. +49 721 595 1

[www.buildingtechnologies.siemens.com](http://www.buildingtechnologies.siemens.com)