



C 1000



IP Camera
VIDEO - DATA - OVER IP

Visions Become Reality

The IP camera **C 100** is ahead of its time. It uses existing connections for live video and data transmission and can therefore be integrated into the local area network or the Internet anywhere you want. **C 100** offers maximum efficiency!

To put you in the Picture

C 100 realizes live video transmission via existing computer networks (Ethernet, TCP/IP). It is the only camera supporting 2 standards simultaneously: H.323 for compatibility with all video conferencing systems and M-JPEG/HTML for easiest handling by web browser. Playback can be performed on every PC system using products of the VCS software family or a web browser, respectively. Alternatively, the video images can also be displayed on a video monitor by a VideoJet receiver. Whichever way you may choose, with **C 100** you are always in the picture and live on the spot.

Everything under Control

C 100 has been designed for an optimum video surveillance. The integrated motion detector is able to automatically set up a connection to the receiver and to raise the alarm. By the time the alarm is triggered, the internal video ring buffer has already stored what has happened before. If desired, alarm images can also be transmitted via email. With **C 100** you always look ahead and keep control!

Remote control of external devices is possible as well. For this purpose, data can be transmitted over the bidirectional serial interface. The system provides access to various functions, e.g. zooming, panning and tilting.

Applications:

- ▶ CCTV systems using existing networks
- ▶ Security and access control
- ▶ Video surveillance of rooms and assets
- ▶ Machine control and remote maintenance
- ▶ Facility management and security
- ▶ Multimedia over IP applications

Facility Management



Wherever people and assets have to be protected, innovative video surveillance systems must be brought into action. Because of their problem-free integration into existing networks, VCS products are an efficient and future-oriented answer to your security requirements.

Financial Institutions

Whenever the security of your clients is in danger, action must be taken immediately. The automatic connection setup to the central security station (e.g. triggered by a motion detector, an emergency button or a door contact) therefore constitutes one of the most important features for surveying modern service centres.



Industrial Process Control



It is of major importance to ensure constantly high production quality in industrial processes since it represents a basic condition of economic success. VCS surveillance systems support telediagnostic services and help you to maintain control. Times of failure and reject rates can be minimized.

C 100 means looking ahead

Highly Performant: live colour pictures of excellent quality

Future-Oriented: compatible with international standards

Cost Effective: use of existing infrastructures and networks

Intelligent: alarm and control features for optimum surveillance

Functional: transmission of alarm images via e-mail

Top Performance in every Respect

Internet



C 100 turns the Internet into a live medium. Its advantages go far beyond ordinary communication and image transmission. **C 100** also opens new horizons in advertising and in the services sector. From now on, tour operators can win new customers showing them real time images of their holiday resorts, promoters can arouse enthusiasm with live pictures of great events. There are virtually no limits for using **C 100**!

Integrated Web Server



Optimal Image:

- ▶ High performance, high resolution camera for live colour pictures of excellent quality
- ▶ High sensitivity of 3 lux and electronic frame integration; boost up sensitivity to 0.03 lux
- ▶ Wide dynamic range function for excellent picture quality in difficult light situations
- ▶ High data compression at a minimum delay according to the international ITU-standard H.323

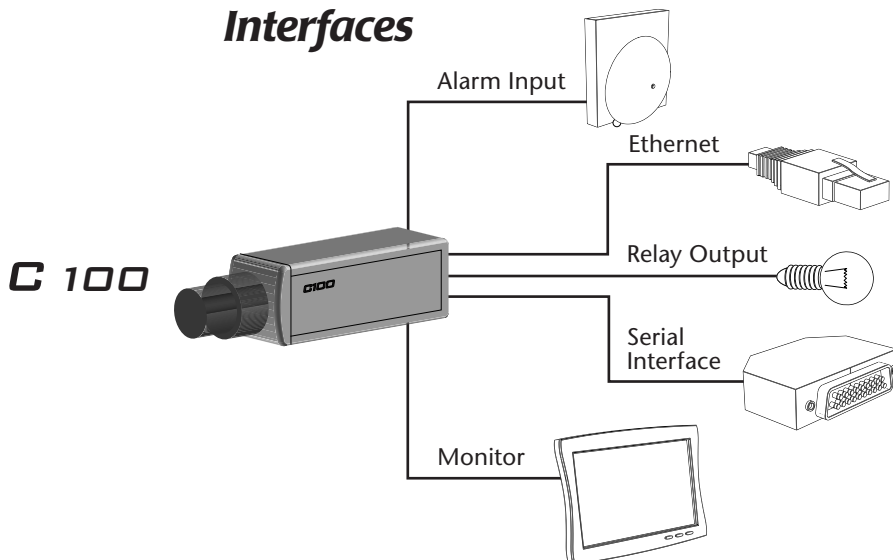
Ease of operation:

- ▶ Easiest handling: The integrated web server provides M-JPEG video images and facilitates to modify the configuration in HTML
- ▶ The system only requires access to the network and either the specification of an IP address or a DHCP assignment
- ▶ Compact autonomous system, no PC required, easy to use
- ▶ Surveillance via PC: The products of the VCS software family turn your PC into a surveillance station
- ▶ Password protection against unauthorized access
- ▶ Remote control of all internal functions
- ▶ Software upgradable by flash memory
- ▶ Toolkit for customer design of the internal web pages, inclusive camera control

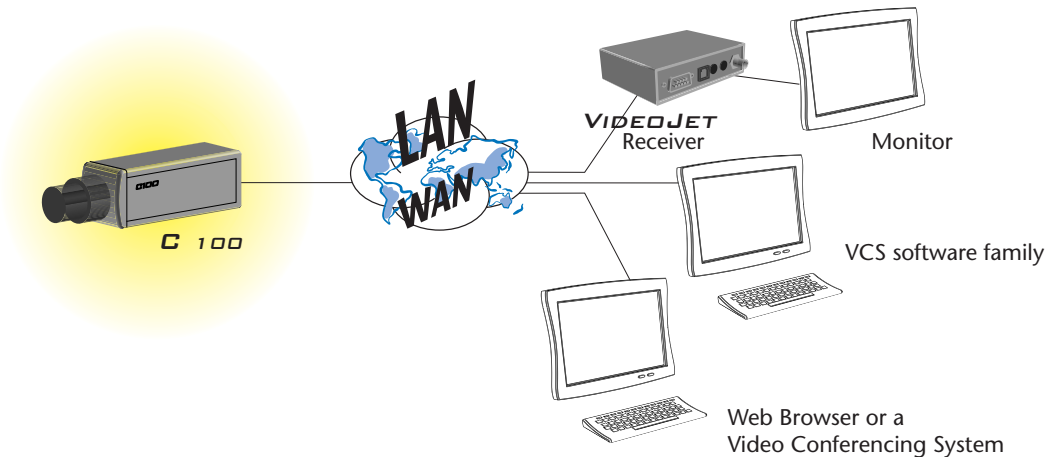
Intelligent Features:

- ▶ Multicasting, simultaneous video transmission to several receivers
- ▶ Transparent, bidirectional data channel (RS232/422/485) for remote control of the connected periphery
- ▶ Alarm input for external detectors (e.g. external alarm devices, bell buttons)
- ▶ Integrated video motion detector for surveillance applications
- ▶ The cause of an alarm can be identified since the internal video ring buffer stores up to 5 minutes
- ▶ Automatic setting up of a connection to the specified IP address (e.g. on motion alarm)
- ▶ E-mail with attached JPEG image on alarm

Interfaces



C 100 - IP Camera



Technical Data

- ▶ Standards: H.261/H.263, H.323, M-JPEG
- ▶ Protocols: TCP, UDP, IP, ARP, ICMP, FTP, DHCP, HTTP, IGMP,
- ▶ Network interface: 10BASE-T, RJ45
- ▶ Data rate: 10 kbit/sec. to 1 Mbit/sec.
- ▶ Video resolution: 704 x 576 pixels (HiRes)
704 x 288 pixels (2CIF)
352 x 288 pixels (CIF)
176 x 144 pixels (QCIF)
- ▶ Frame rate: up to 30 frames/sec.
- ▶ Camera: Image Device 1/3 type CCD
- ▶ Camera resolution: PAL: horizontal 470 lines
NTSC: horizontal 480 lines
- ▶ Sensitivity: 3 lx (50%, F 1.4), sens. up off
0.03 lx (50%, F 0.8), sens. up on
- ▶ Dynamic Range: wide dynamic range 60 dB
- ▶ Lens: lens mount CS mount
- ▶ Auto-Iris: DC auto iris lens, manual iris lens
- ▶ Video output: PAL, BNC, 75 ohms, 1Vpp
(alternatively) NTSC, BNC, 75 ohms, 1Vpp
- ▶ Data interface: bidirectional, 1 x RS232C/
RS422/RS485, Sub-D 9-pin
- ▶ Alarm input: non opto-isolated input
- ▶ Relay output: relay, max. 40 V, 0.8 A
- ▶ Display: 3 x LED (Ethernet, Connection, Power)
- ▶ Power supply: 12 V DC, 12 VA
- ▶ Housing dimensions: 167 mm x 70 mm x 60 mm
- ▶ Weight: approx. 0.7 kg (without power supply)
- ▶ Environmental cond.: 0-50°C ambient temperature
20-80% atmospheric humidity (not cond.)
- ▶ Approvals: CE; JPN.S;
EN 55130; EN 55024;
EN 61000-3-2; EN 61000-3-3
- ▶ Contents of delivery: C 100, manual, software decoder *PROVILITE*
- ▶ Accessory pack (option): vary focal lens 3.5-8 mm;
power supply



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