

SATEL® V-LINK 100

Wireless Video Transmission

By using the most modern information compression technique it is possible to transmit video images in a narrow-band network. SATEL Oy, a leading European supplier of radio modem equipment, has developed a system called V-LINK 100 that combines the most advanced camera and information packaging technology with wireless communications through radio modems. V-LINK 100 opens a number of new possibilities in security and surveillance applications.

From Radio Modems to Applications

The SATELLINK product group is a recent enlargement of the SATEL selection of wireless communication equipment. The V-LINK 100 system offers you a quick and easy way of setting up your wireless video surveillance application. Another product of the group, the SATEL I-LINK 100 I/O Converter allows the transfer of analogue signals and contact information from the point of observation to the control site.

Latest Technology

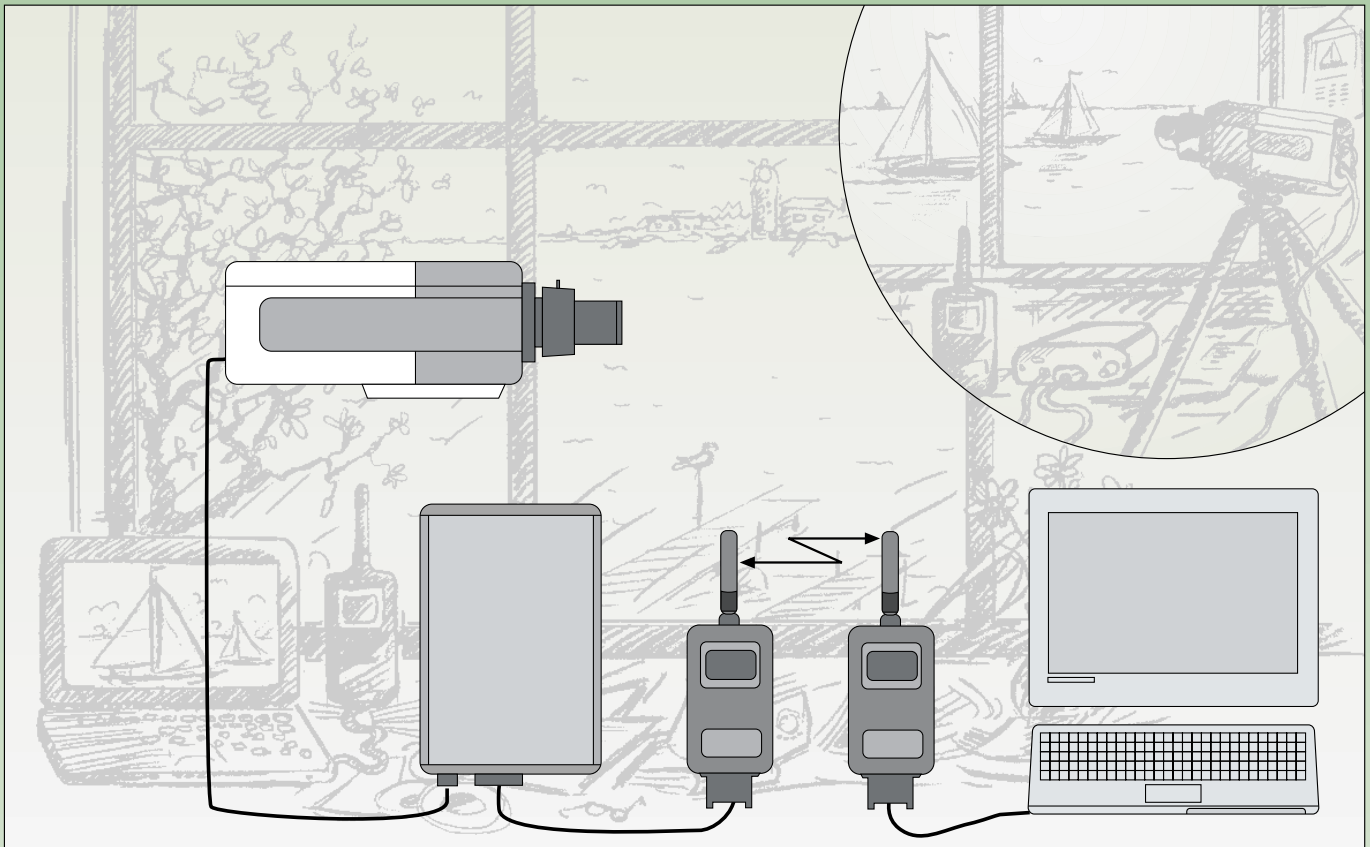
The system consists of a video camera, the V-LINK 100 image-packaging unit and SATELLINE-3AS(d) radio modems. The technical solution rests on the innovative information compression and packaging software, which facilitates the transfer of video images at the low data rates available in narrow-band communications.

The compressed information of each frame is transmitted through radio modem in the form of digital data packets. In order to save the bandwidth capacity and to increase the frame rate, only changes in the image of the object are sent. The view under surveillance is updated 1 to 2 times per second, at the maximum. The image quality can be improved by reducing the frame rate.

The V-LINK 100 system includes three I/O ports for external connections. In case of an alarm, these ports can be used – automatically or remote controlled – to turn the lights on, to activate a buzzer or open/close a gate, etc. At the receiver side, single camera shots or video sequences can be recorder to the computer's harddisk. Thanks to the effective MVQ (Motion Video Quantisation) packaging technique used, the memory space required is rather marginal.



SATEL Oy is a Finnish electronics and telecommunications company that specialises in wireless data communications. It designs, manufactures and markets radio modems for data and alarm transfer systems. The main user groups include industrial companies, public organisations and private persons. Today SateL is one of Europe's leading manufacturers of narrow-band radio modems.



New Dimension for Video Surveillance

The SATEL V-LINK 100 is particularly well suited for the surveillance of isolated, remote objects, as well as for conditions in which setting up a wire connection is costly or risky. With the SATELLINE-3AS(d) radio modems, connection distances up to tens of kilometres can be achieved.

Alarm and control verification with video image is crucial in the surveillance of critical objects like remote controlled water wells and pumping stations, high-tension transformers and switches. A wide range of security and surveillance applications includes, for example, large-scale construction sites and storage areas. The wireless video technique is also applicable to monitoring of traffic and weather conditions.

Transmission of video information through radio modem is economical, as it is not subject to fixed monthly fees.

Technical Specifications • SATEL V-LINK 100

Voltage	+9...+15 V
Power consumption	300 mA @ 12 V
Settings	Adjustable
Image quality	2 frames/s...1 frame/20 s
Frame rate	160 x 120, 320 x 240, 640 x 480
Resolution	Freely zoomable
Picture size	
Recording format (to the PC hard disc)	
Single shot	.jpg
Video	.mvg (motion video quantisation)
External connections	3 ports, selectable input/output
I/O	Sony Visca Protocol, for Y/C camera
PTZ	
Connectors	
Camera, BNC	PAL, composite video, 1 Vpp
Camera, USB	USB-camera, with I420-format
D-15 connector	SATELLINE-radio modem
8-pin mini DIN	Console
Supported operating systems	WINDOWS® 98, 2000, NT, XP
Dimensions	
Size (L x W x H)	20 x 12 x 4 cm
Weight	800 g

Manufacturer:



Disrtibutor :

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