



SANTEC SanWave - wireless IP video security solution.

Transmission of IP applications via WLAN.

SANTEC's wireless CCTV solutions provide a real alternative to copper or fibre connections between camera and remote DVR or control room. SanWave utilises WLAN technology based on high standards with extended security features and licence-free frequency bands. SanWave's high-quality transmission is ideally suited for modern IP video applications.

SanWave is:

- **Cheap:** Compared to underground and above-ground works, costs for installation and rent, SanWave provides a proven return-on-investment, along with high reliability and high bandwidth.
- **Secure:** SanWave is compact in size (128 Bit AES/TKIP and SPG1) without compromising on security.
- **Fast:** SANTEC's wireless solutions can be implemented very quickly, either as an interim or permanent solution for IP video networks.
- **Easy:** SanWave is extremely easy to configure and to install by the user. SanWave Analyser is an intuitive and easy-to-use configuration tool which enables immediate deployment of all SANTEC transceiver products.



NETWORK TRANSMISSION TECHNOLOGY

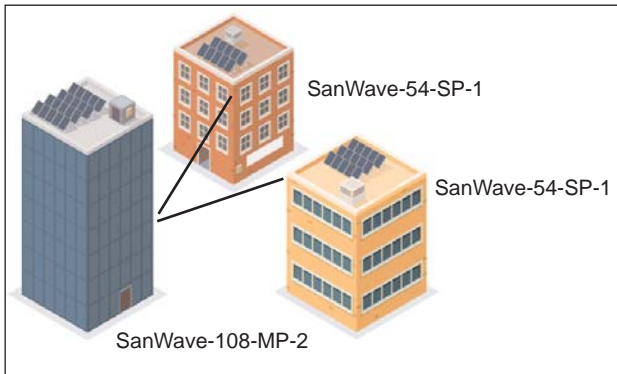
Applications:

- Underground or above-ground works
- Company premises
- Open-air grounds
- City surveillance

SanWave features:

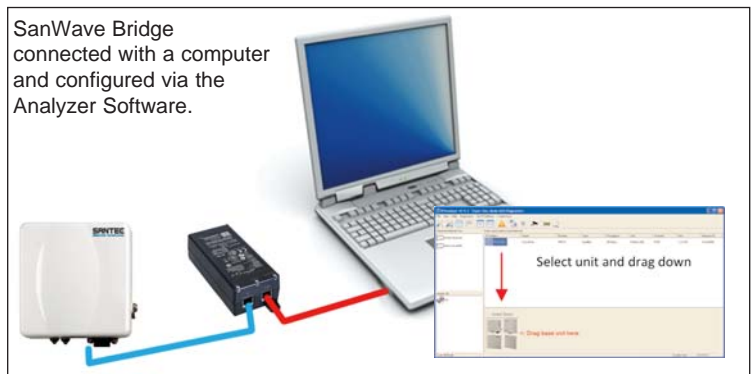
- Type WLAN access point optimised for video
- Range (high visibility) Up to 2 km (54 Mbps), up to 1 km (108 Mbps)
- Basis Single-point basis / multi-point
- Max. satellites Up to 4 (for SanWave-108-MP-2)
- Antenna Vertikcal polarised 14dBi, 45°
- IEEE standard 801.1P
- VLAN 802.1Q
- PoE standard IEEE 802.3af
- Dimensions WxHxD 110 x 119 x 51 mm
- Classification IP-65

Application example:



SANTEC's wireless solutions can be implemented very quickly, either as an interim or permanent solution.

Easy installation:



Using the SanWave Analyzer Software, it is possible to configure, check and adjust all SanWave Wireless Bridges. It is also possible to monitor and test the link performance.

Cost saving:

SanWave is a cost-saving alternative to data transmission via copper or fibre cables.

If a temporary or permanent connection between a single or multiple points is to be installed, it is worth comparing - on the one hand - the costs for laying copper or fibre cables and for SDSL line rent, and on the other hand the costs for a SanWave installation.

Calculation example:

Assumption: 1,000 m or 1,500 m (air-line distance) cabling is to be bridged.

	Cabling	SDSL line	SanWave transmission
Required infrastructure	Copper or fibre cable	SDSL connection	2x SanWave-54-SP-1
Overall distance	1,500 m	-	1,000 m
Cable rent per month	-	350 Euro	-
Cabling (solid ground)	1,000 m	-	-
Cabling (loose ground)	500 m	-	-
Costs per meter (average)	80 Euro	2.80 Euro	2.45 Euro
Costs	120,000 Euro one-time	4,200 Euro p.a.	2,446 Euro one-time

SANTEC provides a calculator tool for you to make your individual cost comparison. The tool is available on our website in the "IP Transmission Technology" product section.