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Videoworks reveals the details of the modern technologies on board the Benetti Spectre megayacht

- *On board the 69m Benetti M/Y Spectre, Videoworks has created a highly technological installation that includes audio-video, network, telephony, home automation and CCTV systems*
- *The film and music server contains approximately 2800 DVDs and Blu-ray discs*
- *Home automations can be managed through an iPad*
- *The security of the vessel's network is guaranteed by the Kerio NG500 system and Cisco professional products*

It is one of the season's most admired megayachts, and not just for its profile, but for the level of the technologies on board. Welcome the 69m full-custom Benetti M/Y Spectre, winner of the 2019 World Superyacht Awards category "Displacement yachts between 500 and 1,999 tonnes", in which Videoworks has built a highly technological installation that includes audio-video, network, telephony, home automation and CCTV systems, confirming in this way its leading role in AV and IT integrations in the yachting world.

AUDIO-VIDEO

The AV system is fully centralised, skilfully installed in a small dedicated rack room, with 7 full-height racks. Their super-customised frame has been specifically designed to fit into the available space (the cabins have only TVs, speakers and iPads).

A full-height rack is in the wheelhouse, whereas a small deck rack is dedicated to networking and communications.

Audio-video contents are transmitted via fibre-optics. In addition to the Kaleidescape film and music server, there is a server dedicated to the crew, who can access it via iPads. With the Kaleidescape provider, Videoworks has managed the pre-loading of approximately 1800 DVDs and Blu-ray discs (music and films), complete with covers, metadata, info on actors, trailers and special content. In this way Owners are guaranteed a customised service that is certainly convenient to use.

Every room in Spectre has its own HDMI socket near the TV, to display files from local sources. The skylounge hall in the upper deck has two TVs (with 75" and 49" screens) with independent audio systems, although they share the same group of sources. Everything is managed through a matrix that allows to configure the area with multiple combinations, depending on the purpose (party, show, institutional video + satellite channel, etc.). The Sea Tel 100 TV HD satellite dishes (SAT TV) can receive European and American HD channels. This kind of satellite dish works worldwide, which means there is no need for LNB replacement when changing hemisphere.

HOME AUTOMATION

Internal and external LED lights are managed via Crestron keyboards and DALI protocol, with customised silk-screen printed buttons. Videoworks's sister company, Itworks, has created a customised software for light management, which allows to restore previously saved settings and to save the new configuration as setting, uploading it when requested. A "secret" procedure, known only to the crew, allows to return to the original settings and to easily restore the system.

Owners can use an iPad to call staff from any part of the yacht; the call is received and displayed in the crew mess and in the pantry. The super-silent Lutron blinds can be controlled via Crestron touch-screen and iPad with customised silk-screen printed keyboards. NMEA navigation information (wind speed, direction, cruising speed, sea

VIDEOWORKS GROUP

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depth, etc.) can be viewed using the specific Myinfos App developed by Itworks.

NETWORK AND CYBERSECURITY

Onboard network security (firewall, bandwidth manager, connection manager...) is guaranteed by the Kerio NG500 system, which allows to surf securely while on board and to manage bandwidth as needed, e.g. if the Owner needs to work aboard, the system allows to limit bandwidth access and use. To guarantee the greatest security possible, the system uses Cisco products from the Catalyst and Aironet professional lines.

TELEPHONY

The telephone switchboard is managed through a Cisco Router and the Cisco Unified Communication Manager software. The system includes 17 cordless telephones + 17 landlines, buzzer, fax line and light signals for calls from the Engine Room.

CCTV SYSTEM

The closed circuit television system manages 10 cameras, two PTZ cameras (one interior and one exterior), a number of external fixed cameras and a 360° fisheye camera, two observation and management stations (one in the wheelhouse and one in the crew mess), through a dedicated Panasonic software and PC touch panel. The Network Disk Recorder allows the captain to make recordings for security, control and surveillance purposes. The CCTV system is integrated in the entertainment section through the Itworks "Myinfos" app.

About Videoworks

The Videoworks Group is the undisputed leader in AV and IT integration in European yachting. With business premises in Ancona, Viareggio and Aalsmeer, in the heart of the Italian and Dutch boatbuilding districts, and in Fort Lauderdale, the yachting hub of North America and the Caribbean, and with partners all over the rest of the world, including South America, Southeast Asia and China, the Group responds to the demands of a highly selective international clientele.

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