SUPERYACHT AV SYSTEM

Multi-room audio Sync
- music cast

Wi-Fi
- Full coverage
- Smooth handover
- 802.11.ac
  - MIMO
  - MU- MIMO
- Protocol
  - 802.3 af
  - 802.3at POE
- feedback
- SSID'S
  - the least displayed the better

Automation
- Lighting
  - interface KNX
  - interface Lutron
- HVAC
  - interface HH
- Blinds
  - interface Somfy
- Curtains
  - interface Somfy

Distribution
- Audio/ Video
  - Ships Network
    - NVX
    - UDP Stream
  - Direct
    - HDBaseT
    - HDMI
  - Matrix
    - Digital
- Audio
  - Dante Ships network
- Cabling
  - Screened
  - Segregate A/V from power cables
  - Avoid using mutiple differnt types
- Quality connectors
  - Avoid mulitple connector types
- Correct amplification

Control
- Wi-Fi RF remote
- stew call
- Admin GUI
- Feedback GUI
- TV Lift
- Switch rooms iBeacon
- App iPad
  - AOD/VOD
    - sort
      - search
      - gendre
      - age of content
      - recently added
      - recently viewed
      - continue watching
      - top unwatched movies
    - add to personal library
    - play- pause- stop-fwd- rwd
    - shuffle-repeat
  - Mosaic TV Channels
  - Play on iPad
  - Change button description
  - Change languague
  - Status
    - instantly updated
      - volume
      - movie/music status
      - stew call status

AVR/Amplifier
- Speakers
  - Mute Audio on PA
  - Mute Audio on Alarm
- Sub- woofer
- Dolby atmos
- No Lag
- Multicast to other areas
- Auxillary
  - HDMI
  - USB A
  - Headphone jack

Conditions
- Well Ventilated
- Aircon- Correct Temperature
- All equipment to be accessable
- Equipment to be able to pull out

Power
- Common good quality grounding
- AC Coupled
- Online UPS Supply IEC
- Custom smart PDU IEC
- DC Power Supply
  - Eliminate wall warts
  - multi supply
  - 24v
  - 18v
  - 12v
  - 5v

Monitor & Control
- Capacity
- No. of AP
- No. of Clients
- THroughput
- History
- statistics
- MAC Addresss filtering
- vlan control
- client contol
- Security
- **Alerts**

Monitor & control
- temperature
- humidity
- current
- battery time
- alarm set points
  - battery voltage
  - temperature

Monitoring

Video call
- Skype
- Facetime

CCTV
- View
  - on iPad
  - on Screen
- Contol Cameras
  - On iPad
  - On Screen

Ships info
- Yachteye
- Ecdis
- Radar
- Engine information
- Any NMEA data

additional media
- News
- Podcasts
- Web shows
- Youtube
- Plugins

Apple TV/ Chromecast
- Control in App
- Control RF remote
- AirPlay/ cast

AOD
- On-board Music
- radio stations
- Spotify
- Apple Music
- Amazon
- Google play
- Deezer

VOD
- Movie
  - Parental Control
  - Sort
  - Filter
- Feedback GUI
- Admin GUI
- Fast Scrubbing
- Metadata
- Netflix
- Trailers
- TV Shows

Personal Media
- Cast to apple TV
- Add personal media
  - Music
  - Photos
  - Videos
- Chromecast
- Wired connectors
  - usb A
  - usb C
  - Ethernet
  - audio jack
  - hdmi
  - Wireless Charging
- Bluetooth

Steward call
- Portable and easy to use
- Stew call button
- Integrated with the phones
- Crew iPad with list of calls ack

Live TV
- 4k ready
- Fast channel switching
- 4k decoders
- Free to air decoders
- Recording
- Pause
- Sky go

Game console
- Playstation
  - VR
  - use PS controllers
- Xbox use controls

Monitor & control

Personalise
- sort
  - search
  - gendre top movies by gendre
  - age of content
  - recently added
  - recently viewed
  - continue watching
  - top unwatched movies
- filter
- personal login personal collection
- parental control
- online media

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