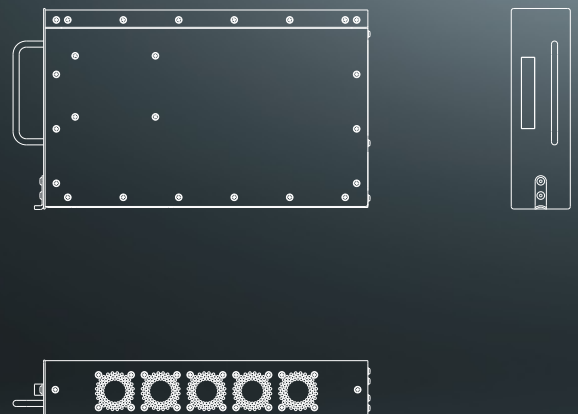ALSTERAERO
IFE SYSTEMS

NVSU

DESCRIPTION

The Network Video Server Unit lies at the heart of AlsterAero's IFE system.

In only two MCU's it offers up to 1 Terabyte storage capacity for the Audio and Video on Demand system. An integrated five port Gigabit switch is the primary attachment node for the cabin network.

By clustering NVSU's the system integrator can create an aggregated virtual server that allows for higher storage capacity - higher AVOD output bandwidth for higher seat counts - as well as higher reliability by distributed redundant storage.

Additional interfaces of the NVSU are ARINC 429, TIA/RS-485, TIA/RS-232 as well as five discrete outputs and inputs. All of these additional interfaces are general purpose CMS interfaces. On one hand they allow for connection of 3rd party equipment in the E&E bay, e.g. a CIDS director, on the other hand they are added for general purpose 3rd party IFE control.
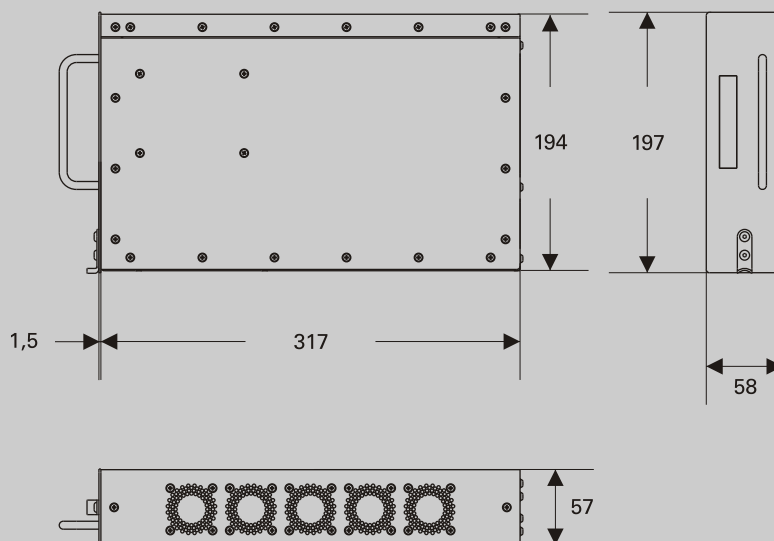
FEATURES

- up to 1 Terabyte storage capacity
- five Gigabit links for cabin network attachment and intra-NVSU-cluster
- clusterable for
  - higher storage capacity
  - higher output bandwidth
  - higher system availability ratio
- up to 50 seats/streams AVOD output bandwidth (random access)
- ARINC 429 S/W selectable high or low speed
- optional ARINC739A MCDU interface software module
- optional CIDS director interface software module
- three general purpose TIA-485 asynchronous serial bus interfaces
- two general purpose TIA-232 asynchronous serial interfaces
- two general purpose USB host interfaces
- four general purpose discrete inputs for CMS control
- five general purpose discrete output for CMS control
- 2 MCU metal housing, optionally with integrated fans

OUTLINE DRAWING
dimensions are millimeter (mm)

194   197

1,5   317   58

57

QUALIFICATION

- DO160

CONTACT

AlsterAero GmbH
Heidenkampsweg 45
20097 Hamburg
Germany

phone : +49 (0) 40 2482712 - 0
fax : +49 (0) 40 2482712 - 22

email : info@alsteraero.com
web : www.alsteraero.com

ALSTERAERO
IFE SYSTEMS