HS-PD1-E755/01 Anoka'ano Mâbor'a (Armor Sensors)

The HS-PD1-E755/01 was developed for the *HS-PD1-1a Anoka'ano Dahome (Combat Armor)* in 755CY (YE 36).

General

Nomenclature: HS-PD1-E755/01 Class: Armor Type: Sensors Designers: Otâmovi Wiy Jael (Silver Moon Sect) Manufacturer: Otâmovi Wiy Jael (Silver Moon Sect)

HS-PD1-E755/01-1 Imaging Cluster

Scan type: Passive These sensors are used to gather information on stellar objects from long range.

- Visible light
- Ultraviolet spectrograph
- Infrared spectrometer

HS-PD1-E755/01-2 Ranging

Scan type: Active/Passive

- Light Detection And Ranging (LIDAR)
- Laser Detection and Ranging (LADAR)
- Range of 10 km

HS-PD1-E755/01-3 Targeting RADAR

Scan type: Active This RADAR has oscillating frequency to help improve resolution by allowing the system to re-tune to get a better image. The RADAR also has a variable pulse repetition frequency (PRF) which is used for when the system goes from search mode to targeting. The RADAR can operate in rotating or sweep mode. It can lock onto and track up 20 objects.

- Range 20 km

HS-PD1-E755/01-4 Atmosphere Analyzer

Scan type: Active This sensor provides information regarding the environment that the armor is in. It

provides atmospheric pressure, and temperature. It also can provide information as to the composition of the atmosphere.

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