Slow control

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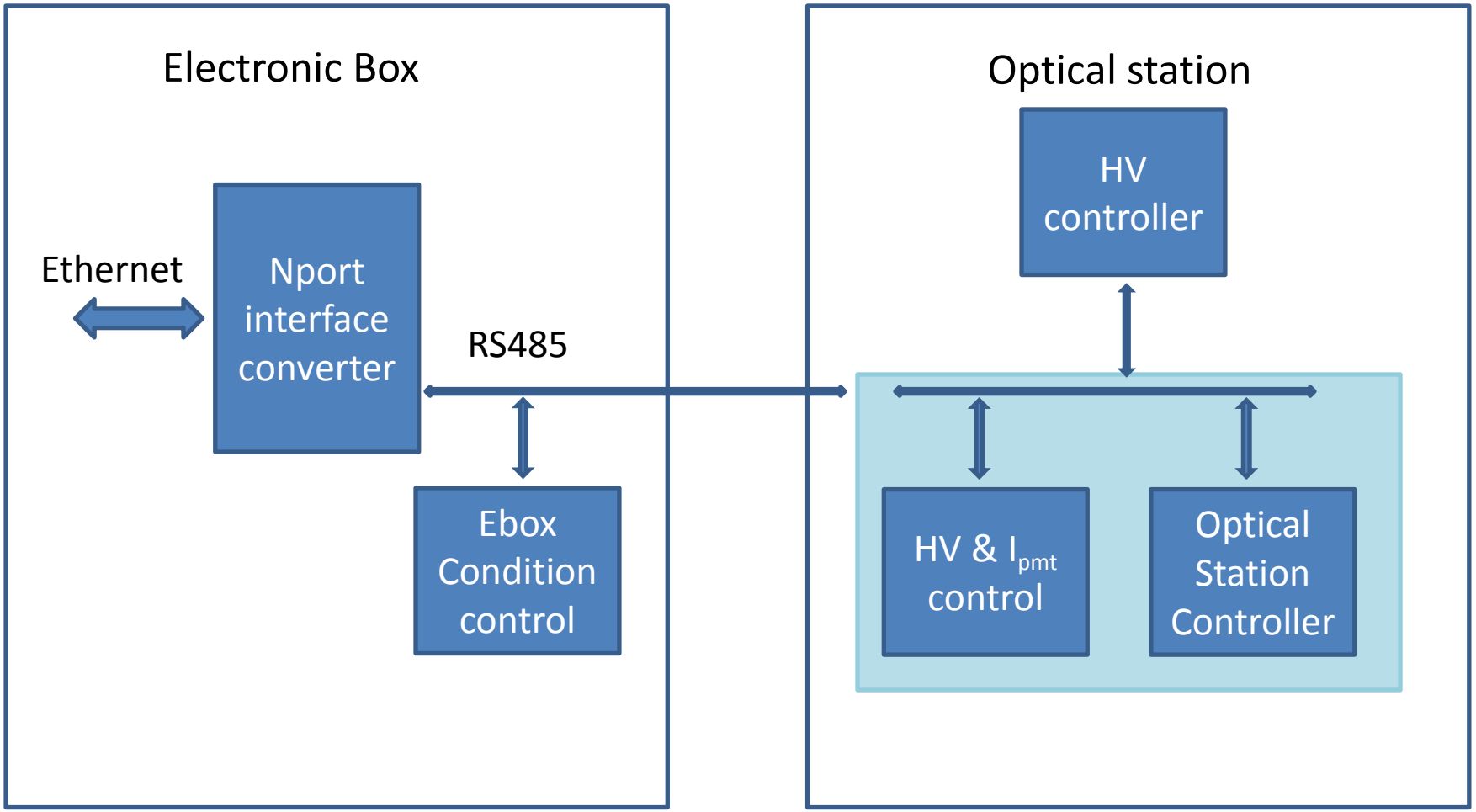
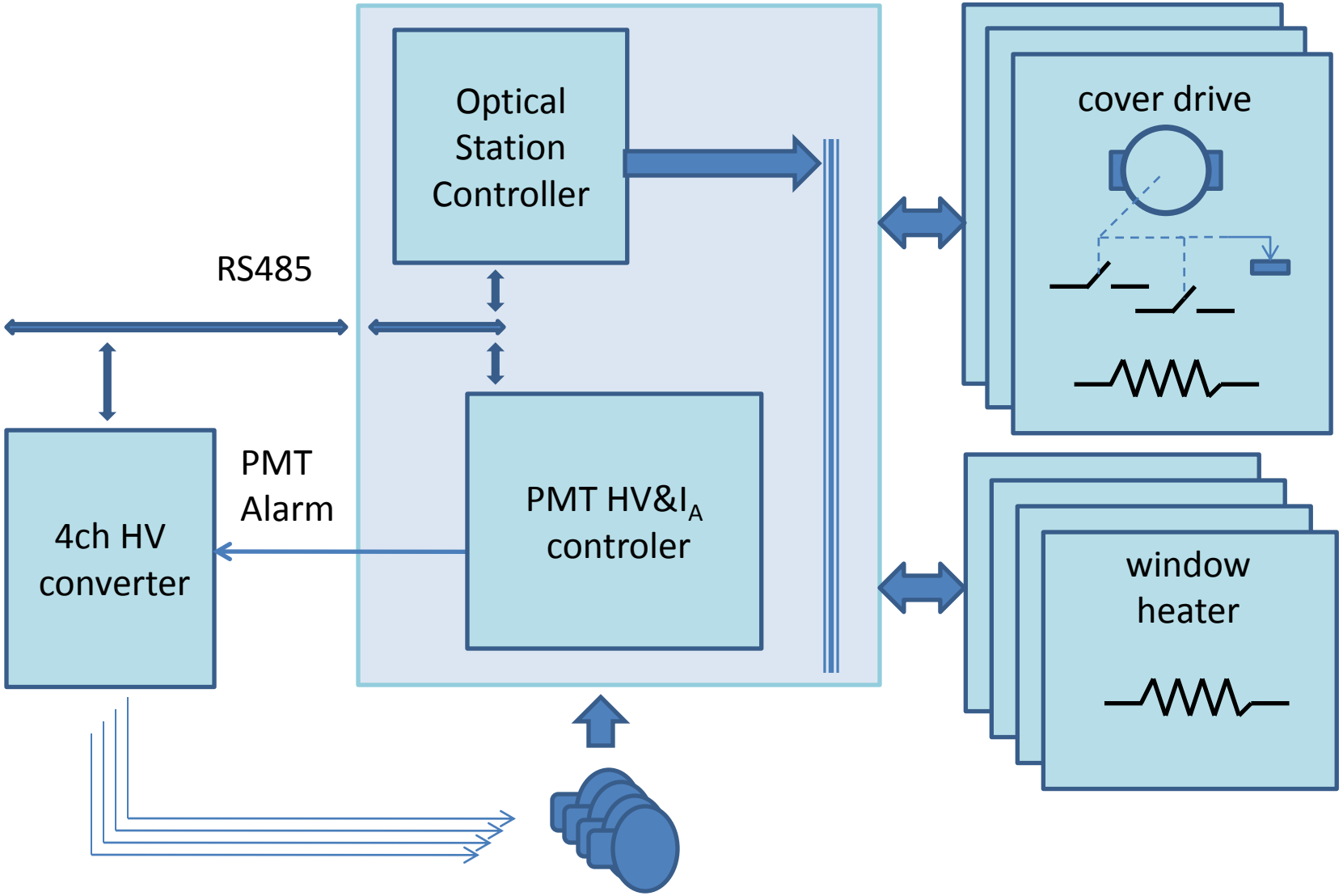
HiScore control system structure



HiScore Optical Station Control System Functions

- Power distribution and control for HV converter and PMT amplifier
- The cover motor control: power, direction, limit switchers, cover position, current measurement and heating
- Glass heaters: power control and current sensing
- Control all supply voltage (exclude -5v)
- PMT HV and current measurement
- Current overflow PMT protection mechanism
- HV timer for morning light PMT protection
- Station inclination control

Optical Station Control



HV-control system and data log

- HV controller have 10 DACs for setting HV code and 10 ADC canals for control HV converter
- HV controller have special optoisolated alarm input for setting HV code 0 if PMT current too high
- HV controller firmware will be modified to include HV switch off timer
- PMT controller constructed for control actual HV on divider, PMT anode current and control PMT amplifiers power supply by special relays
- PMT controller will check the anode current and log it for PMT overload protection. In critical situation it will give the alarm signal to HV controller.


Thank you for attention!