

# Pds pnCCD

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## Pds:PNCCD Namespace Reference

### Class ConfigV1

Public Member Functions:

```
ConfigV1();
ConfigV1(uint32_t width, uint32_t height);
uint32_t numLinks() const;
uint32_t payloadSizePerLink() const; // in bytes
unsigned size() const;
```

### Class ConfigV2

Public Member Functions:

```
ConfigV2();
ConfigV2(string);
uint32_t numLinks() const {return _numLinks;}
uint32_t payloadSizePerLink() const {return _payloadSizePerLink;} // in bytes
uint32_t numChannels() const {return _numChannels;}
uint32_t numRows() const {return _numRows;}
uint32_t numSubmoduleChannels() const {return _numSubmoduleChannels;}
uint32_t numSubmoduleRows() const {return _numSubmoduleRows;}
uint32_t numSubmodules() const {return _numSubmodules;}
uint32_t camexMagic() const {return _camexMagic;}
const char* info() const {return _info;}
const char* timingFName() const {return _timingFName;}
unsigned size() const {return sizeof(*this);}
```

### Class FrameV1

Public Member Functions

```
uint32_t specialWord() const;
uint32_t frameNumber() const;
uint32_t timeStampHi() const;
uint32_t timeStampLo() const;

const uint16_t* data() const;
const FrameV1* next(const ConfigV1& cfg) const;
unsigned sizeofData(const ConfigV1& cfg) const;
const FrameV1* next(const ConfigV2& cfg) const;
unsigned sizeofData(const ConfigV2& cfg) const;
```