

Pds Princeton

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Princeton camera

Namespace Pds::Princeton

Class ConfigV1

Public Member Functions:

```
ConfigV1 ()
ConfigV1 (uint32_t uWidth, uint32_t uHeight,
          uint32_t uOrgX, uint32_t uOrgY,
          uint32_t uBinX, uint32_t uBinY,
          float f32ExposureTime,
          float f32CoolingTemp,
          uint32_t u32ReadoutSpeedIndex,
          uint16_t u16ReadoutEventCode,
          uint16_t u16DelayMode=-1)
uint32_t      width () const
uint32_t      height () const
uint32_t      orgX () const
uint32_t      orgY () const
uint32_t      binX () const
uint32_t      binY () const
float         exposureTime () const
float         coolingTemp () const
uint32_t      readoutSpeedIndex () const
uint16_t      readoutEventCode () const
uint16_t      delayMode () const
uint32_t      setWidth (uint32_t uWidth)
uint32_t      setHeight (uint32_t uHeight)
uint16_t      setDelayMode (uint16_t uDelayMode)
int           size () const
int           frameSize () const
```

Class FrameV1

Public Member Functions

```
// Constructor
FrameV1 (uint32_t iShotIdStart,
         float fReadoutTime)

uint32_t      shotIdStart () const    // returns shot ID
float         readoutTime () const    // returns readout time

const uint16_t * data () const    // returns pointer to image array
```

Static Public Attributes

```
static const int      Version = 1
```

Class InfoV1

Public Member Functions

```
// Constructor  
InfoV1 (float fTemperature)  
  
float      temperature () const // returns the temperature value
```

Static Public Attributes

```
static const int      Version = 1
```