# ASCOM Interface Revisions

| Key: | Member present | | Member absent from this interface | | |
|---|---|---|---|---|---|
| | Deprecated in some way, see member interface description | | Requirements revised, see member interface description | | |

## Camera

| Member | Platform 7 - 2024 ICameraV4 | Platform 6.5 - 2020 ICameraV3 | Platform 6.3 - 2017 ICameraV2 | Platform 6 - 2011 ICameraV2 | Platform 5 - 2008 ICamera |
|---|---|---|---|---|---|
| AbortExposure | | | | | Introduced |
| Action | | | | Introduced | Absent |
| BayerOffsetX | | | | Introduced | Absent |
| BayerOffsetY | | | | Introduced | Absent |
| BinX | | | | | Introduced |
| BinY | | | | | Introduced |
| CameraState | | | | | Introduced |
| CameraXSize | | | | | Introduced |
| CameraYSize | | | | | Introduced |
| CanAbortExposure | | | | | Introduced |
| CanAsymmetricBin | | | | | Introduced |
| CanFastReadout | | | | Introduced | Absent |
| CanGetCoolerPower | | | | | Introduced |
| CanPulseGuide | | | | | Introduced |
| CanSetCCDTemperature | | | | | Introduced |
| CanStopExposure | | | | | Introduced |
| CCDTemperature | | | | | Introduced |
| CommandBlind | Deprecated | | | Introduced | Absent |
| CommandBool | Deprecated | | | Introduced | Absent |
| CommandString | Deprecated | | | Introduced | Absent |
| Connect | Introduced | Absent | Absent | Absent | Absent |
| Connected | Revised | | | | Introduced |
| Connecting | Introduced | Absent | Absent | Absent | Absent |
| CoolerOn | | | | | Introduced |
| CoolerPower | | | | | Introduced |
| Description | | | | | Introduced |
| DeviceState | Introduced | Absent | Absent | Absent | Absent |
| Disconnect | Introduced | Absent | Absent | Absent | Absent |
| Dispose | | | | Introduced | Absent |
| DriverInfo | | | | Introduced | Absent |
| DriverVersion | | | | Introduced | Absent |
| ElectronsPerADU | | | | | Introduced |
| ExposureMax | | Introduced | Absent | Absent | Absent |
| ExposureMin | | Introduced | Absent | Absent | Absent |
| ExposureResolution | | Introduced | Absent | Absent | Absent |
| FastReadout | | Introduced | Absent | Absent | Absent |
| FullWellCapacity | | | | | Introduced |
| Gain | | | | Introduced | Absent |
| GainMax | | | | Introduced | Absent |
| GainMin | | | | Introduced | Absent |
| Gains | | | | Introduced | Absent |
| HasShutter | | | | | Introduced |
| HeatSinkTemperature | | | | | Introduced |
| ImageArray | | | | | Introduced |
| ImageArrayVariant | | | | | Introduced |
| ImageReady | | | | | Introduced |
| InterfaceVersion | | | | Introduced | Absent |
| IsPulseGuiding | | | | | Introduced |
| LastExposureDuration | | | | | Introduced |
| LastExposureStartTime | | | Revised | | Introduced |
| MaxADU | | | | | Introduced |
| MaxBinX | | | | | Introduced |
| MaxBinY | | | | | Introduced |
| Name | | | | Introduced | Absent |
| NumX | | | | | Introduced |
| NumY | | | | | Introduced |
| Offset | | Introduced | Absent | Absent | Absent |
| OffsetMax | | Introduced | Absent | Absent | Absent |
| OffsetMin | | Introduced | Absent | Absent | Absent |
| Offsets | | Introduced | Absent | Absent | Absent |
| PercentCompleted | | | | Introduced | Absent |
| PixelSizeX | | | | | Introduced |
| PixelSizeY | | | | | Introduced |
| PulseGuide | | | | | Introduced |
| ReadoutMode | | | | Introduced | Absent |
| ReadoutModes | | | | Introduced | Absent |
| SensorName | | | | Introduced | Absent |
| SensorType | | | | Introduced | Absent |
| SetCCDTemperature | | | | | Introduced |
| SetupDialog | | | | | Introduced |
| StartExposure | | | | | Introduced |
| StartX | | | | | Introduced |
| StartY | | | | | Introduced |
| StopExposure | | | | | Introduced |
| SubExposureDuration | | Introduced | Absent | Absent | Absent |
| SupportedActions | | | | Introduced | Absent |

## CoverCalibrator

| Member | Platform 7 - 2024 ICoverCalibratorV2 | Platform 6.5 - 2020 ICoverCalibratorV1 |
|---|---|---|
| Action | | Introduced |
| Brightness | | Introduced |
| CalibratorChanging | Introduced | Absent |
| CalibratorOff | | Introduced |
| CalibratorOn | | Introduced |
| CalibratorState | | Introduced |
| CloseCover | | Introduced |
| CommandBlind | Deprecated | Introduced |
| CommandBool | Deprecated | Introduced |
| CommandString | Deprecated | Introduced |
| Connect | Introduced | Absent |
| Connected | Revised | Introduced |
| Connecting | Introduced | Absent |
| CoverMoving | Introduced | Absent |
| CoverState | | Introduced |
| Description | | Introduced |
| DeviceState | Introduced | Absent |
| Disconnect | Introduced | Absent |
| Dispose | | Introduced |
| DriverInfo | | Introduced |
| DriverVersion | | Introduced |
| HaltCover | | Introduced |
| InterfaceVersion | | Introduced |
| MaxBrightness | | Introduced |
| Name | | Introduced |
| OpenCover | | Introduced |
| SetupDialog | | Introduced |
| SupportedActions | | Introduced |

## Dome

| Member | Platform 7 - 2024 IDomeV3 | Platform 6 - 2011 IDomeV2 | Platform 3 - 2003 IDome |
|---|---|---|---|
| AbortSlew | Revised | | Introduced |
| Action | | Introduced | Absent |
| Altitude | | | Introduced |
| AtHome | | | Introduced |
| AtPark | | | Introduced |
| Azimuth | | | Introduced |
| CanFindHome | | | Introduced |
| CanPark | | | Introduced |
| CanSetAltitude | | | Introduced |
| CanSetAzimuth | | | Introduced |
| CanSetPark | | | Introduced |
| CanSetShutter | | | Introduced |
| CanSlave | | | Introduced |
| CanSyncAzimuth | | | Introduced |
| CloseShutter | | | Introduced |
| CommandBlind | Deprecated | | Introduced |
| CommandBool | Deprecated | | Introduced |
| CommandString | Deprecated | | Introduced |
| Connect | Introduced | Absent | Absent |
| Connected | Revised | | Introduced |
| Connecting | Introduced | Absent | Absent |
| Description | | | Introduced |
| DeviceState | Introduced | Absent | Absent |
| Disconnect | Introduced | Absent | Absent |
| Dispose | | Introduced | Absent |
| DriverInfo | | | Introduced |
| DriverVersion | | | Introduced |
| FindHome | | | Introduced |
| InterfaceVersion | | | Introduced |
| Name | | | Introduced |
| OpenShutter | | | Introduced |
| Park | | | Introduced |
| SetPark | | | Introduced |
| SetupDialog | | | Introduced |
| ShutterStatus | | | Introduced |
| Slaved | | | Introduced |
| Slewing | | | Introduced |
| SlewToAltitude | | | Introduced |
| SlewToAzimuth | | | Introduced |
| SupportedActions | | | Absent |
| SyncToAzimuth | | | Introduced |

## FilerWheel

| Member | Platform 7 - 2024 IFilterWheelV3 | Platform 6 - 2011 IFilterWheelV2 | Platform 5 - 2008 IFilterWheel |
|---|---|---|---|
| Action | | Introduced | Absent |
| CommandBlind | Deprecated | Introduced | Absent |
| CommandBool | Deprecated | Introduced | Absent |
| CommandString | Deprecated | Introduced | Absent |
| Connect | Introduced | Absent | Absent |
| Connected | Revised | | Introduced |
| Connecting | Introduced | Absent | Absent |
| Description | | Introduced | Absent |
| DeviceState | Introduced | Absent | Absent |
| Disconnect | Introduced | Absent | Absent |
| Dispose | | Introduced | Absent |
| DriverInfo | | Introduced | Absent |
| DriverVersion | | Introduced | Absent |
| FocusOffsets | | | Introduced |
| InterfaceVersion | | Introduced | Absent |
| Name | | Introduced | Absent |
| Names | | | Introduced |
| Position | | | Introduced |
| SetupDialog | | | Introduced |
| SupportedActions | | Introduced | Absent |

## Focuser

| Member | Platform 7 - 2024 IFocuserV4 | Platform 6.4 - 2018 IFocuserV3 | Platform 6 - 2011 IFocuserV2 | Platform 2 - 2002 IFocuser |
|---|---|---|---|---|
| Absolute | | | | Introduced |
| Action | | | Introduced | Absent |
| CommandBlind | Deprecated | | Introduced | Absent |
| CommandBool | Deprecated | | Introduced | Absent |
| CommandString | Deprecated | | Introduced | Absent |
| Connect | Introduced | Absent | Absent | Absent |
| Connected | Revised | | Introduced | Absent |
| Connecting | Introduced | Absent | Absent | Absent |
| Description | | | Introduced | Absent |
| DeviceState | Introduced | Absent | Absent | Absent |
| Disconnect | Introduced | Absent | Absent | Absent |
| Dispose | | | Introduced | Absent |
| DriverInfo | | | Introduced | Absent |
| DriverVersion | | | Introduced | Absent |
| Halt | | | | Introduced |
| InterfaceVersion | | | Introduced | Absent |
| IsMoving | | | | Introduced |
| Link | Deprecated | Deprecated | Deprecated | Introduced |
| MaxIncrement | | | | Introduced |
| MaxStep | | | | Introduced |
| Move | | Revised | | Introduced |
| Name | | | Introduced | Absent |
| Position | | | | Introduced |
| SetupDialog | | | | Introduced |
| StepSize | | | | Introduced |
| SupportedActions | | | Introduced | Absent |
| TempComp | | | | Introduced |
| TempCompAvailable | | | | Introduced |
| Temperature | | | | Introduced |

# ObservingConditions

| Member | Platform 7 - 2024 IObservingConditionsV2 | Platform 6.2 - 2015 IObservingConditions |
|---|---|---|
| Action | | Introduced |
| AveragePeriod | | Introduced |
| CloudCover | | Introduced |
| CommandBlind | Deprecated | Introduced |
| CommandBool | Deprecated | Introduced |
| CommandString | Deprecated | Introduced |
| Connect | Introduced | Absent |
| Connected | Revised | Introduced |
| Connecting | Introduced | Absent |
| Description | | Introduced |
| DeviceState | Introduced | Absent |
| DewPoint | | Introduced |
| Disconnect | Introduced | Absent |
| Dispose | | Introduced |
| DriverInfo | | Introduced |
| DriverVersion | | Introduced |
| Humidity | | Introduced |
| InterfaceVersion | | Introduced |
| Name | | Introduced |
| Pressure | | Introduced |
| RainRate | | Introduced |
| Refresh | | Introduced |
| SensorDescription | | Introduced |
| SetupDialog | | Introduced |
| SkyBrightness | | Introduced |
| SkyQuality | | Introduced |
| SkyTemperature | | Introduced |
| StarFWHM | | Introduced |
| SupportedActions | | Introduced |
| Temperature | | Introduced |
| TimeSinceLastUpdate | | Introduced |
| WindDirection | | Introduced |
| WindGust | | Introduced |
| WindSpeed | | Introduced |

# Rotator

| Member | Platform 7 - 2024 IRotatorV4 | Platform 6.5 - 2020 IRotatorV3 | Platform 6 - 2011 IRotatorV2 | Platform 5 - 2008 IRotator |
|---|---|---|---|---|
| Action | | | Introduced | Absent |
| CanReverse | | | Introduced | Absent |
| CommandBlind | Deprecated | | Introduced | Absent |
| CommandBool | Deprecated | | Introduced | Absent |
| CommandString | Deprecated | | Introduced | Absent |
| Connect | Introduced | Absent | Absent | Absent |
| Connected | Revised | | | Introduced |
| Connecting | Introduced | Absent | Absent | Absent |
| Description | | | Introduced | Absent |
| DeviceState | Introduced | Absent | Absent | Absent |
| Disconnect | Introduced | Absent | Absent | Absent |
| Dispose | | | Introduced | Absent |
| DriverInfo | | | Introduced | Absent |
| DriverVersion | | | Introduced | Absent |
| Halt | | | | Introduced |
| InterfaceVersion | | | Introduced | Absent |
| IsMoving | | Revised | | Introduced |
| MechanicalPosition | | Introduced | Absent | Absent |
| Move | | Revised | | Introduced |
| MoveAbsolute | | Revised | | Introduced |
| MoveMechanical | | Introduced | Absent | Absent |
| Name | | | Introduced | Absent |
| Position | | Revised | | Introduced |
| Reverse | | Revised | | Introduced |
| SetupDialog | | | | Introduced |
| StepSize | | | | Introduced |
| SupportedActions | | | Introduced | Absent |
| Sync | | Introduced | Absent | Absent |
| TargetPosition | | Revised | | Introduced |

## SafetyMonitor

| Member | Platform 7 - 2024 ISafetyMonitorV3 | ISafetyMonitorV2 | Platform 6 - 2011 ISafetyMonitor |
|---|---|---|---|
| Action | | ISafetyMonitorV2 has been skipped to avoid confusion because the Platform 6 simulator from 2011 incorrectly returned the interface version as 2 instead of the correct value: 1. | Introduced |
| CommandBlind | Deprecated | | Introduced |
| CommandBool | Deprecated | | Introduced |
| CommandString | Deprecated | | Introduced |
| Connect | Introduced | | Absent |
| Connected | Revised | | Introduced |
| Connecting | Introduced | | Absent |
| Description | | | Introduced |
| DeviceState | Introduced | | Absent |
| Disconnect | Introduced | | Absent |
| Dispose | | | Introduced |
| DriverInfo | | | Introduced |
| DriverVersion | | | Introduced |
| InterfaceVersion | | | Introduced |
| IsSafe | | | Introduced |
| Name | | | Introduced |
| SetupDialog | | | Introduced |
| SupportedActions | | | Introduced |

## Switch

| Member | Platform 7 - 2024 ISwitchV3 | Platform 6.1 - 2014 ISwitchV2 | Platform 5 - 2008 ISwitch |
|---|---|---|---|
| Action | | Introduced | Absent |
| CanWrite | | Introduced | Absent |
| CommandBlind | Deprecated | Introduced | Absent |
| CommandBool | Deprecated | Introduced | Absent |
| CommandString | Deprecated | Introduced | Absent |
| Connect | Introduced | Absent | Absent |
| Connected | Revised | | Introduced |
| Connecting | Introduced | Absent | Absent |
| Description | | | Introduced |
| DeviceState | Introduced | Absent | Absent |
| Disconnect | Introduced | Absent | Absent |
| Dispose | | Introduced | Absent |
| DriverInfo | | | Introduced |
| DriverVersion | | | Introduced |
| GetSwitch | | | Introduced |
| GetSwitchDescription | | Introduced | Absent |
| GetSwitchName | | | Introduced |
| GetSwitchValue | | Introduced | Absent |
| InterfaceVersion | | | Introduced |
| MaxSwitch | | | Introduced |
| MaxSwitchValue | | Introduced | Absent |
| MinSwitchValue | | Introduced | Absent |
| Name | | | Introduced |
| SetAsync | Introduced | Absent | Absent |
| SetAsyncValue | Introduced | Absent | Absent |
| SetSwitch | | | Introduced |
| SetSwitchName | | Introduced | Absent |
| SetSwitchValue | | Introduced | Absent |
| SetupDialog | | | Introduced |
| StateChangeComplete | Introduced | Absent | Absent |
| SupportedActions | | Introduced | Absent |
| SwitchStep | | Introduced | Absent |

# Telescope

| Member | Platform 7 - 2024 ITelescopeV4 | Platform 6 - 2011 ITelescopeV3 | Platform 4 - 2004 ITelescopeV2 | Platform 1 to 3 ITelescope R&D |
|---|---|---|---|---|
| AbortSlew | Revised | | | Introduced |
| Action | | Introduced | Absent | Absent |
| AlignmentMode | | | | Introduced |
| Altitude | | | | Introduced |
| ApertureArea | | | Introduced | Absent |
| ApertureDiameter | | | | Introduced |
| AtHome | | | Introduced | Absent |
| AtPark | | | Introduced | Absent |
| AxisRates | | | Introduced | Absent |
| Azimuth | | | | Introduced |
| CanFindHome | | | | Introduced |
| CanMoveAxis | | | Introduced | Absent |
| CanPark | | | | Introduced |
| CanPulseGuide | | | | Introduced |
| CanSetDeclinationRate | | | Introduced | Absent |
| CanSetGuideRates | | | Introduced | Absent |
| CanSetPark | | | | Introduced |
| CanSetPierSide | | | Introduced | Absent |
| CanSetRightAscensionRate | | | Introduced | Absent |
| CanSetTracking | | | | Introduced |
| CanSlew | Revised | | | Introduced |
| CanSlewAltAz | Revised | | Introduced | Absent |
| CanSlewAltAzAsync | Revised | | Introduced | Absent |
| CanSlewAsync | Revised | | | Introduced |
| CanSync | | | | Introduced |
| CanSyncAltAz | | | Introduced | Absent |
| CanUnpark | | | | Introduced |
| CommandBlind | Deprecated | | | Introduced |
| CommandBool | Deprecated | | | Introduced |
| CommandString | Deprecated | | | Introduced |
| Connect | Introduced | Absent | Absent | Absent |
| Connected | Revised | | | Introduced |
| Connecting | Introduced | Absent | Absent | Absent |
| Declination | | | | Introduced |
| DeclinationRate | Revised | | | Introduced |
| Description | | | | Introduced |
| DestinationSideOfPier | | | Introduced | Absent |
| DeviceState | Introduced | Absent | Absent | Absent |
| Disconnect | Introduced | Absent | Absent | Absent |
| Dispose | | Introduced | Absent | Absent |
| DoesRefraction | | | Introduced | Absent |
| DriverInfo | | | | Introduced |
| DriverVersion | | | Introduced | Absent |
| EquatorialSystem | | | Introduced | Absent |
| FindHome | Revised | | | Introduced |
| FocalLength | | | | Introduced |
| GuideRateDeclination | | | Introduced | Absent |
| GuideRateRightAscension | | | Introduced | Absent |
| InterfaceVersion | | | Introduced | Absent |
| IsPulseGuiding | | | Introduced | Absent |
| MoveAxis | Revised | | Introduced | Absent |
| Name | | | | Introduced |
| Park | Revised | | | Introduced |
| PulseGuide | Revised | | | Introduced |
| RightAscension | | | | Introduced |
| RightAscensionRate | Revised | | | Introduced |
| SetPark | | | | Introduced |
| SetupDialog | | | | Introduced |
| SideOfPier | | | Introduced | Absent |
| SiderealTime | | | | Introduced |
| SiteElevation | | | | Introduced |
| SiteLatitude | | | | Introduced |
| SiteLongitude | | | | Introduced |
| Slewing | | | | Introduced |
| SlewSettleTime | | | | Introduced |
| SlewToAltAz | Deprecated | | Introduced | Absent |
| SlewToAltAzAsync | Revised | | Introduced | Absent |
| SlewToCoordinates | Deprecated | | | Introduced |
| SlewToCoordinatesAsync | Revised | | | Introduced |
| SlewToTarget | Deprecated | | | Introduced |
| SlewToTargetAsync | Revised | | | Introduced |
| SupportedActions | | Introduced | Absent | Absent |
| SyncToAltAz | | | Introduced | Absent |
| SyncToCoordinates | | | | Introduced |
| SyncToTarget | | | | Introduced |
| TargetDeclination | | | | Introduced |
| TargetRightAscension | | | | Introduced |
| Tracking | | | | Introduced |
| TrackingRate | | | Introduced | Absent |
| TrackingRates | | | Introduced | Absent |
| Unpark | Revised | | | Introduced |
| UTCDate | | | | Introduced |

## Video

| Member | Platform 7 - 2024 IVideoV2 | Platform 6.1 - 2014 IVideo |
|---|---|---|
| Action | | Introduced |
| BitDepth | | Introduced |
| CameraState | | Introduced |
| CanConfigureDeviceProperties | | Introduced |
| CommandBlind | Introduced but Deprecated | Absent |
| CommandBool | Introduced but Deprecated | Absent |
| CommandString | Introduced but Deprecated | Absent |
| ConfiguureDeviceProperties | | Introduced |
| Connect | Introduced | Absent |
| Connected | Revised | Introduced |
| Connecting | Introduced | Absent |
| Description | | Introduced |
| DeviceState | Introduced | Absent |
| Disconnect | Introduced | Absent |
| Dispose | | Introduced |
| DriverInfo | | Introduced |
| DriverVersion | | Introduced |
| ExposureMax | | Introduced |
| ExposureMin | | Introduced |
| FrameRate | | Introduced |
| Gain | | Introduced |
| GainMax | | Introduced |
| GainMin | | Introduced |
| Gains | | Introduced |
| Gamma | | Introduced |
| GammaMax | | Introduced |
| GammaMin | | Introduced |
| Height | | Introduced |
| IntegrationRate | | Introduced |
| InterfaceVersion | | Introduced |
| LastVideoFrame | | Introduced |
| Name | | Introduced |
| PixelSizeX | | Introduced |
| PixelSizeY | | Introduced |
| SensorName | | Introduced |
| SensorType | | Introduced |
| SetupDialog | | Introduced |
| StartRecordingVideoFile | | Introduced |
| StopRecordingVideoFile | | Introduced |
| SupportedActions | | Introduced |
| SupportedIntegrationRates | | Introduced |
| VideoCaptureDeviceName | | Introduced |
| VideoCodec | | Introduced |
| VideoFileFormat | | Introduced |
| VideoFramesBufferSize | | Introduced |
| Width | | Introduced |