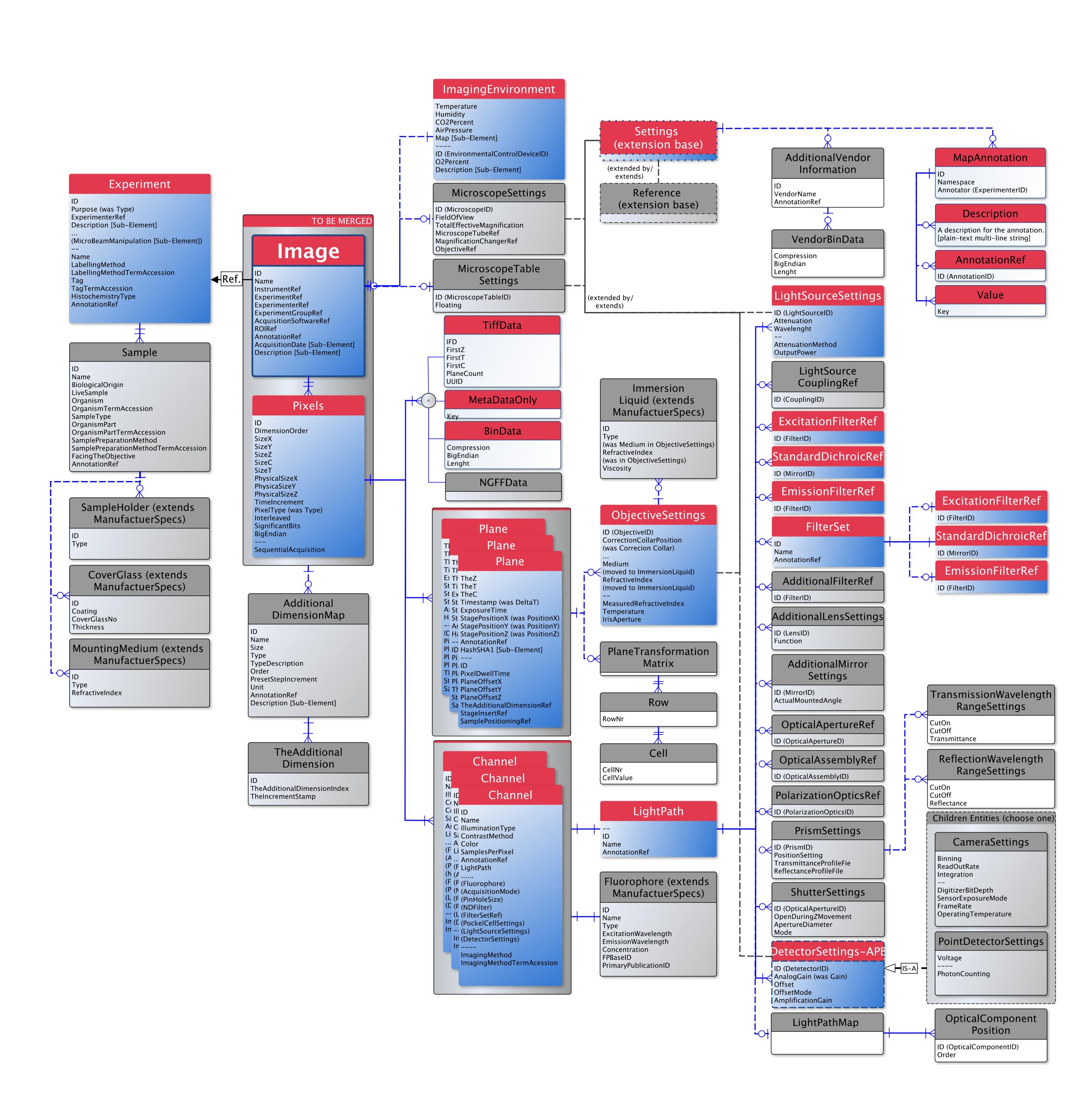
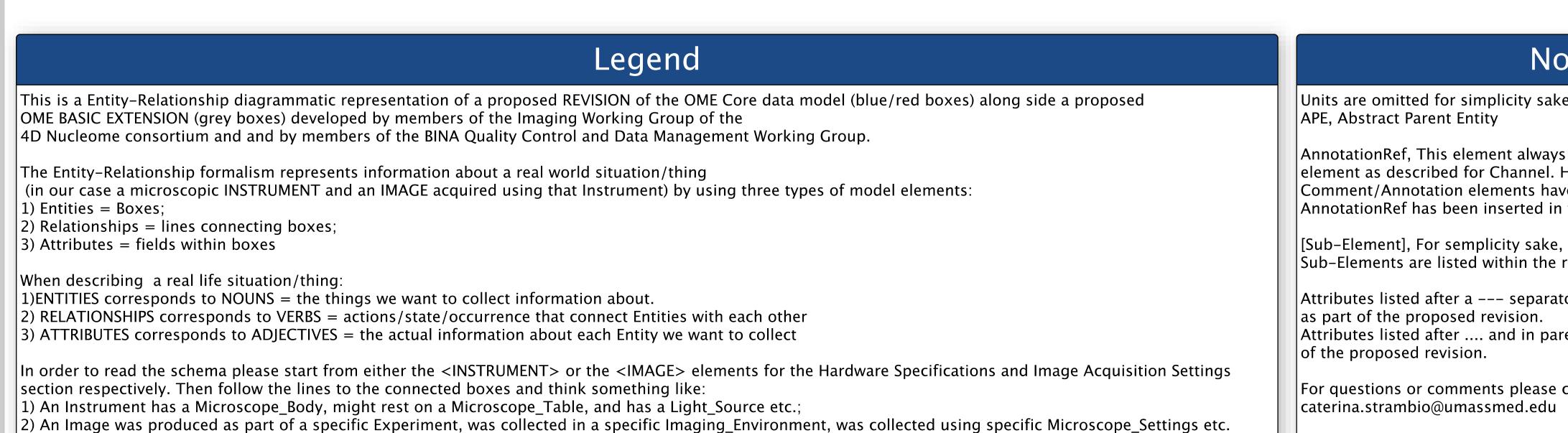
OME Core vs. 4DN-BINA-OME Basic Extension Microscope HARDWARE Specifications PeakWavelength **luminationWaveleng** | WavelenghtProfileFile [Sub-Element] Filament GenericExcitationSourd MicroscopeStand-AP MapAnnotation [Sub-Element] 🔫 IlluminationPower PeakWavelength Laser WavelenghtProfileFile [Sub-Element] RepetitionRate ProjectionAngle EnvironmentControl FrequencyMultiplication IlluminationWaveleng (Wavelength) (PockelCell) MicroscopeTable ModulationMechanism PeakWavelength | WavelenghtProfileFile [Sub-Element] Acousto-OpticalDeviceRef MultiLaserEngine WavelenghtProfileFile [Sub-Element] LightSource-APE TemperatureControlled SingleMode NumberOfLasers AnnotationRef FilterRef AnnotationRef MultiportSwitchTime Children Entities Laser [Sub-Element] ID (FilterD) **Children Entities** (choose on _____ Name Children Entities (choose one) Positioning-APE MechanicalStage ID (LensID) LightGuide LightSourceCoupling-AP MirroringDeviceRef XYMaxVelocity XYRepetability PiezoelectricStage ID (MirroringDeviceID) YTravelRange ZMaxVelocity ! | NumericalAperture |XYPositionLinearityError Transmittance ZRepetability XYSettlingTime CouplingLensRef AcceptanceAngle ZTravelRange AnnotationRef XYResolution Geometry ID (OpticalApertureID) ZPositionLinearityError MaterialName Children Entitie _____ ZSettlingTime OpticsHolderRef FocusingDevice-APE (choose one) WaveguideMode Objective MovementAxes Diameter ID (OpticsHolderID) _____ ObjectiveTurret StageType FreeBeam RotationAngle PolarizationOpticsRef ImmersionType Focusing AnnotationRef DirectMount _____ ID (PolarizationOpticsID) MountType Magnification CalibratedMagnification FocusStabilizationDevice IndividualObjective PrismRef Focusing WorkingDistance ID (PrismID) **Children Entities** PiezoElectric (boolean) (choose on Mechanism ExcitationFilterRef LightType BeamExpander ID (FilterID) Wavelength ContrastModulation AnnotationRef PhaseContrastType StandardDichroicRef WebsiteURL CorrectionCollar PrimaryPublicationID **____** Collimator orrectionCollarType ID (MirroringDeviceID) Condenser ckFocalLenght ParfocalizingDistance ObjectiveViewField Launguage AnnotationRef ID (FilterID) ExcitationFilterRef MicroscopeTube MechanicalLength AnnotationRef StandardDichroicRef Idren Entities (choose one) OpticalAperture-APE ID (MirroringDeviceID) -------EmissionFilterRef DarkFieldStop AnnotationRef Children Entities (choose one) Manufacturer ID (FilterID) CenterStopDiameter OpticsHolderPosition ______ CatalogNumber FilterCube ID (FilterCubeID) SpecsFile OpticsHolderPosition IrisDiaphragm FilterCubeRef FilterSlider ID (FilterCubeID) MaxApertureDiameter Information PhaseRing ExcitationFilterRef FilterCubeTurret Namespace PhaseNumber ID (FilterID) Annotator (ExperimenterID) Name CenterStopDiameter NrOfSlots SlitWidth FilterWheel StandardDichroicRef MirroringDeviceRef FilterCube Description \(\text{AnnotationRef} \) VarelRing ID (MirroringDeviceID) ID (MirroringDeviceID) A description for the annotation OpticsTurret [plain-text multi-line string] EmissionFilterRef LensRef Shutter ID (FilterID) ID (LensID) ______ Lens-APE ID (AnnotationID) PolarizationOpticsRef PrimsRef ResponseTime Children Entities (choose one) Motorized Value MaxApertureDiameter ID (PrismID) ID (PolarizationOpticsID) Multimode ExcitationFilter Magnification FilterHolderPosition (was FilterWheel) OpticalApertureRef AnnotationRef RefractiveIndex Children Entities ID (OpticalApertureID) EmissionFilter WorkingDistance Name CoatingMethod (choose on LightPathLocation Composite TransmittanceRange MagnificationChange NeutralDensityFilter AttenuationCoefficient AttenuationCoefficient (deprecated: CutIn, CutOut, AttenuationMethod ImageDistance CutInTolerance, CutOutTolerance) ObjectDistance Transmittance FrontFocalLength AdditionalLens | AngleOfIncidence BackFocalLenght Wavelenght AdditionalFilter | Polarization [Sub-Element] FWHMBandwidth RadiusOfCurvature BeamExpanderLen. TransmittanceRange MaterialName Coating Wavelenght GlassCode Children Entities (choose one) FWHMBandwidth (was Dichroic) CollimatorLens Transmittance AnnotationRef ______ ReflectingMirror ReflectanceRange AnnotationRef CondenserLens Prism **──** Wavelenght ReflectanceProfileFile [Sub-Element] MirrorType / FWHMBandwidth Diameter Reflectance CouplingLens AngleOfIncidence Beamsplitter Children Entities Geometry RadiusOfCurvature (choose one Transmittance SubstrateType |OilObjective TransmissionAngle RelayLens SubstrateMaterial StandardDichroic GlassCode RefractiveIndex TransmittanceProfileFile [Sub-Element] Reflectance ReflectanceProfileFile [Sub-Element] AngleOfIncidence TubeLens Detector-APE AdditionalDichroic (was Detector) CoatingMethod LightPathLocation MaterialName GlassCode WavelengthRange Children Entities | FilterHolderPosition Technology PeakWavelength (additional attributes removed (choose one AttenuationCoefficient or moved to new Detector Settings AttenuationMethod or Laser Scanner classes) PolarizationOptics WavelenghtProfileFile [Sub-Element] AnalogVideo Thickness TransmittanceProfileFile [Sub-Element] Mount ReflectanceProfileFile [Sub-Element] CCD WavelengthRange QuantumEfficiency (______ ElectronConversionFactor BeamSplitter ReadOutNoise PeakWavelength Children Entities (choose one) CCDArchitecture FaradayIsolator DetectorNoiseModel RegisterWellCapacity DarkCurrentRate WavelenghtProfileFile [Sub-Element] Construction Camera-APE CMOS Fabrication AmbientOperatingTemperature | Retardation MaterialName ArrayHeight _____ PixelWidth Intensified IS-A PixelHeight Illumination SensorType ManufacturerOffset WavelengthRange IntensifierType RegisterWellCapacity PixelWellCapacity PeakWavelength MaximumFrameRate MaximumReadoutRate Children entities (choose one VerticalClockSpeed WavelenghtProfileFile [Sub-Element] (_____/ PhotomultiplierTube PointDetector-APE CollectionEfficiency IS-A Multianode SignalProcessing MultianodeChannelNr ResponseTime MultianodeArrangement DeadTime RadiantSensitivity PhotoDiode _____ GenericDetector Avalanche MapAnnotation [Sub-Element] HybridPhotoDetector

OME Core vs. 4DN-BINA-OME Basic Extension Image ACQUISITION Settings





Notes Units are omitted for simplicity sake. APE, Abstract Parent Entity AnnotationRef, This element always refers to a Comment/Annotation element as described for Channel. However for simplicity sake most Comment/Annotation elements have been omitted and the AnnotationRef has been inserted in the referring element as an attribute. [Sub-Element], For semplicity sake, in some cases Sub-Elements are listed within the referring element as an attribute. Attributes listed after a --- separator have been added to the OME Core

Attributes listed after and in parenthesis have been removed as part of the proposed revision. For questions or comments please contact: