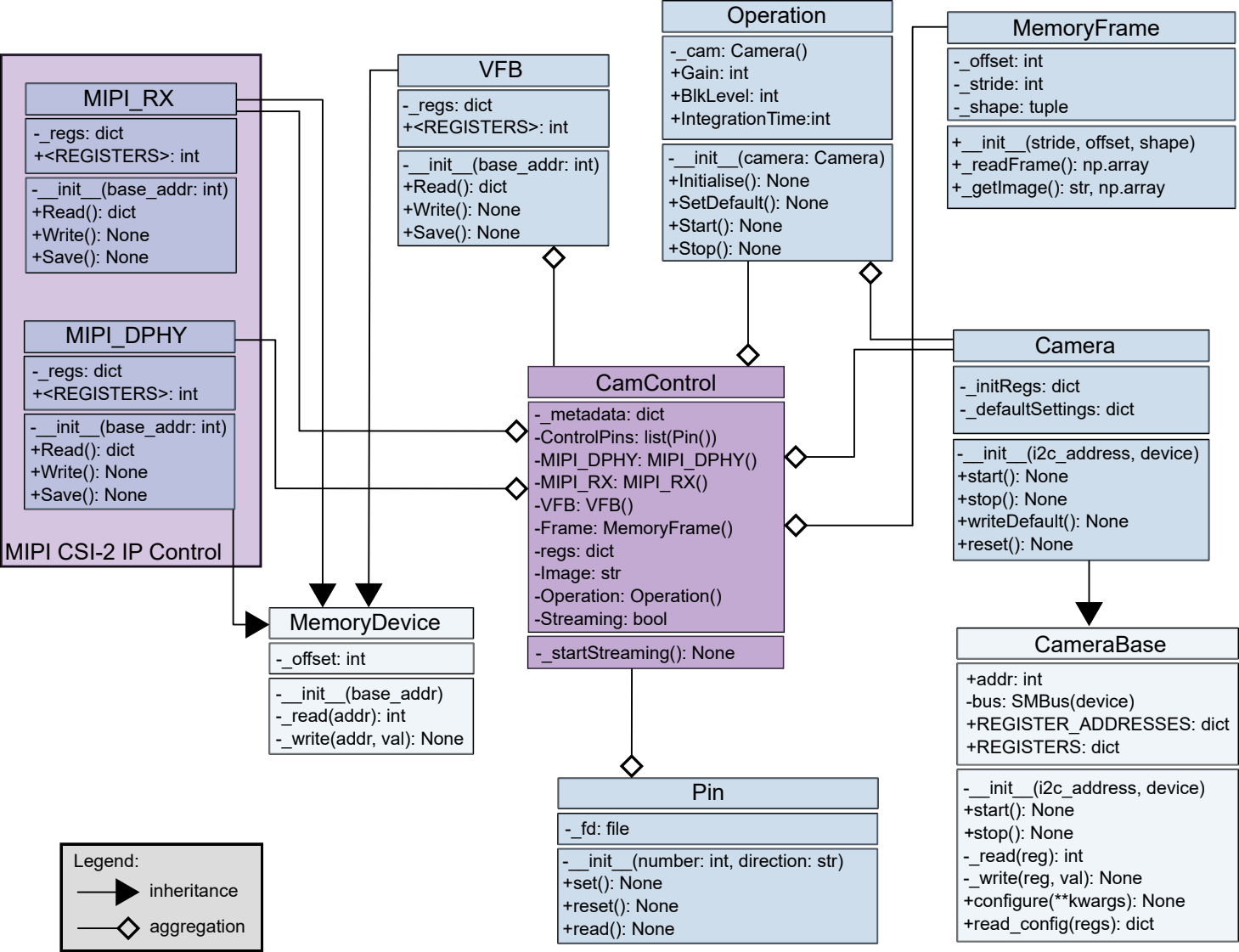
MIPI_RX
-_regs: dict
+<REGISTERS>: int
-__init__(base_addr: int)
+Read(): dict
+Write(): None
+Save(): None
MIPI_DPHY
-_regs: dict
+<REGISTERS>: int
-__init__(base_addr: int)
+Read(): dict
+Write(): None
+Save(): None
MIPI CSI-2 IP Control
VFB
-_regs: dict
+<REGISTERS>: int
-__init__(base_addr: int)
+Read(): dict
+Write(): None
+Save(): None
Operation
-_cam: Camera()
+Gain: int
+BlkLevel: int
+IntegrationTime:int
-__init__(camera: Camera)
+Initialise(): None
+SetDefault(): None
+Start(): None
+Stop(): None
MemoryFrame
-_offset: int
-_stride: int
-_shape: tuple
+__init__(stride, offset, shape)
+_readFrame(): np.array
+_getImage(): str, np.array
CamControl
-_metadata: dict
-ControlPins: list(Pin())
-MIPI_DPHY: MIPI_DPHY()
-MIPI_RX: MIPI_RX()
-VFB: VFB()
-Frame: MemoryFrame()
-regs: dict
-Image: str
-Operation: Operation()
-Streaming: bool
-_startStreaming(): None
Camera
-_initRegs: dict
-_defaultSettings: dict
-__init__(i2c_address, device)
+start(): None
+stop(): None
+writeDefault(): None
+reset(): None
MemoryDevice
-_offset: int
-__init__(base_addr)
-_read(addr): int
-_write(addr, val): None
CameraBase
+addr: int
-bus: SMBus(device)
+REGISTER_ADDRESSES: dict
+REGISTERS: dict
-__init__(i2c_address, device)
+start(): None
+stop(): None
-_read(reg): int
-_write(reg, val): None
+configure(**kwargs): None
+read_config(regs): dict
Pin
-_fd: file
-__init__(number: int, direction: str)
+set(): None
+reset(): None
+read(): None
Legend:
inheritance
aggregation