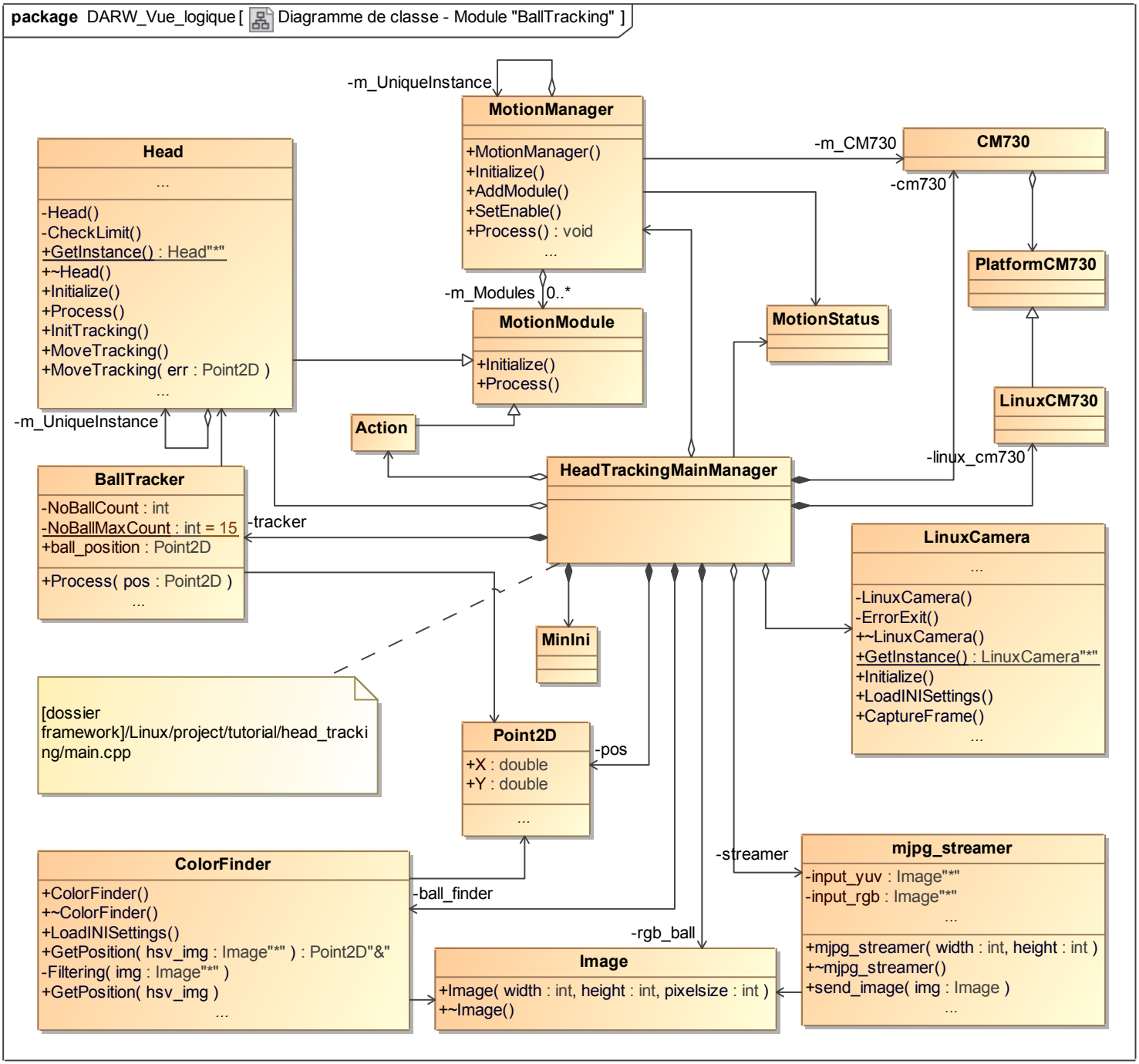
package DARW_Vue_logique [Diagramme de classe - Module "BallTracking"]
-m_UniqueInstance
MotionManager
+MotionManager()
+Initialize()
+AddModule()
+SetEnable()
+Process() : void
...
-m_CM730
CM730
-cm730
PlatformCM730
Head
...
-Head()
-CheckLimit()
+GetInstance() : Head"*"
+~Head()
+Initialize()
+Process()
+InitTracking()
+MoveTracking()
+MoveTracking(err : Point2D)
...
-m_Modules
0..*
MotionModule
+Initialize()
+Process()
MotionStatus
LinuxCM730
-m_UniqueInstance
Action
HeadTrackingMainManager
-linux_cm730
BallTracker
-NoBallCount : int
-NoBallMaxCount : int = 15
+ball_position : Point2D
+Process(pos : Point2D)
...
-tracker
LinuxCamera
...
-LinuxCamera()
-ErrorExit()
+~LinuxCamera()
+GetInstance() : LinuxCamera"*"
+Initialize()
+LoadINISettings()
+CaptureFrame()
...
MinIni
[dossier framework]/Linux/project/tutorial/head_tracking/main.cpp
Point2D
+X : double
+Y : double
...
-pos
ColorFinder
+ColorFinder()
+~ColorFinder()
+LoadINISettings()
+GetPosition(hsv_img : Image"*") : Point2D"&"
-Filtering(img : Image"*")
+GetPosition(hsv_img)
...
-ball_finder
-streamer
mjpg_streamer
-input_yuv : Image"*"
-input_rgb : Image"*"
...
+mjpg_streamer(width : int, height : int)
+~mjpg_streamer()
+send_image(img : Image)
...
-rgb_ball
Image
+Image(width : int, height : int, pixelsize : int)
+~Image()