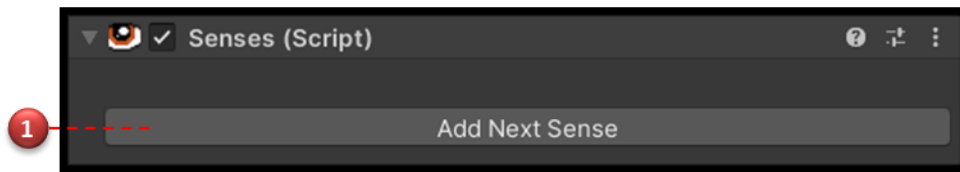


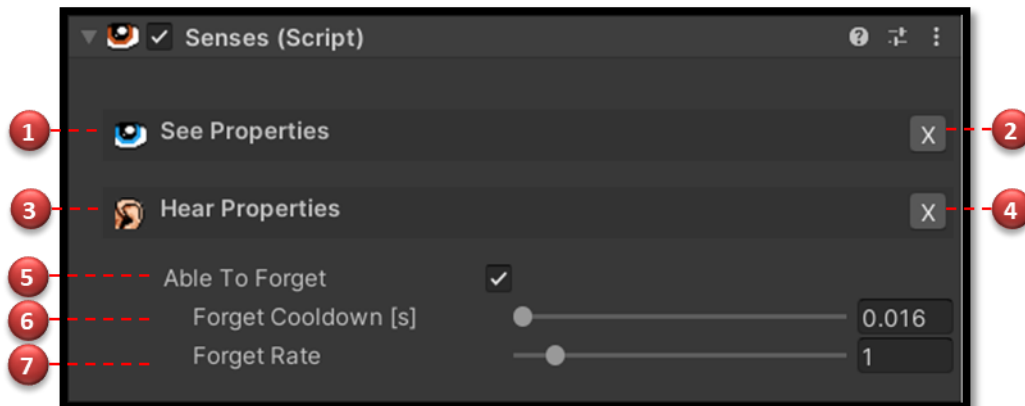
Senses Component

Description

Allows for Managing Sensors of character (Adding, Removing, Configuring) in order to gather (and further proceed) Awareness.



1	Add Next Sense Button	Allows adding next sense sensors.
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1	See Properties Foldout	Allows showing / hiding of See Sensor properties.
2	Remove Button	Allows disabling See Sensor.
3	See Properties Foldout	Allows showing / hiding of Hear Sensor properties.
4	Remove Button	Allows disabling Hear Sensor.
5	Able To Forget	Able To Forget allows the setting of the Use_Forgetting state. If enabled, Awareness will decrease by the Forget Rate within the Forget Cooldown [s] time interval.
6	Forget Cooldown [s]	Allows setting up float value of time interval between each Awareness decrease.
7	Forget Rate	Allows setting up float value of Awareness decreased during each time interval.

Awareness

This floating-point value represents how well a character understands that something has been detected. It ranges from 0 to 100. Awareness is individually tracked for each Game Object equipped with the **TargetSenses** component.

Awareness had separate values for each enabled Sense Sensor. And each of this awareness had value in range from 0 to 100.

Forgetting - if **Able To Forget** is enabled, then awareness will be decreased by the **Forget Rate** within the **Forget Cooldown [s]** time interval, according to bellow rules:

1	See Awareness	Will be reduces over time if a GameObject with the attached TargetSenses was not detected during the last check. This mechanism ensures that characters only forget about a target if it becomes no longer visible.
2	Hear Awareness	Will be reduces over time.

Public Properties

Use_See	Returns true if uses See Sensor.
Eyes	Get transform Eyes.
Use_Hear	Returns true if uses Hear Sensor.
IgnoreLayers	Get Ignored Layers
Use_CustomRefreshRate	Returns true if uses custom refresh rate.
Cooldown_SeeTimeAmount	Get float value of Cooldown_SeeTimeAmount
Use_Forgeting	Returns true if uses forgetting.
Cooldown_Forgeting	Get float value of Cooldown_Forgeting
Forgeting_Rate	Get float value of Forgeting_Rate
Central_VisionAngle	Get float value of Central_VisionAngle
Central_VisionRadius	Get float value of Central_VisionRadius
Use_PeripheralFOV	Returns true if uses peripheral field of view.
Peripheral_VisionAngle	Get float value of Peripheral_VisionAngle
Peripheral_VisionRadius	Get float value of Peripheral_VisionRadius
Use_DisplayFOV	Returns true if uses display field of view.
Use_IgnoreRotationX	Returns true if uses ignore rotation in X axis.
Use_RayCastInFovOnly	Returns true if uses raycast in field of view only.
Use_DebugDrawRay	Returns true if uses debug draw ray.
Hear_Sensitivity	Returns enum value of Hear_Sensitivity.
TagetSensesWasDetected	Returns true if TargetSenses was detected.

Public Methods

Set_Eyes	Sets transform Eyes.
Set_UseSee	Sets state of bool Use_See.
Set_UseHear	Sets state of bool Use_Hear.
Set_UseCustomRefreshRate	Sets state of bool Use_CustomRefreshRate.
Set_CooldownSeeTimeAmount	Sets float value of Cooldown_SeeTimeAmount.
Set_UseForgetting	Sets state of bool Use_Forgeting.
Set_CooldownForgetting	Sets float value of Cooldown_Forgeting.
Set_ForgetingRate	Sets float value of Forgeting_Rate.
Set_CentralVisionAngle	Sets float value of Central_VisionAngle.
Set_CentralVisionRadius	Sets float value of Central_VisionRadius.

Set_UsePeripheralFOV	Sets state of bool Use_PeripheralFOV.
Set_PeripheralVisionAngle	Sets float value of Peripheral_VisionAngle.
Set_PeripheralVisionRadius	Sets float value of Peripheral_VisionRadius.
Set_UseDisplayFOV	Sets state of bool Use_UseDisplayFOV.
Set_UseIgnoreRotationX	Sets state of bool Use_IgnoreRotationX.
Set_UseRayCastInFovOnly	Sets state of bool Use_RayCastInFovOnly.
Set_DebugDrawRay	Sets state of bool Use_DebugDrawRay.
Set_HearSensitivity	Sets enum value of Hear_Sensitivity.
Recived_Noise	Increase value of Hear Awareness of provided TargetSenses

See - Senses Sensor

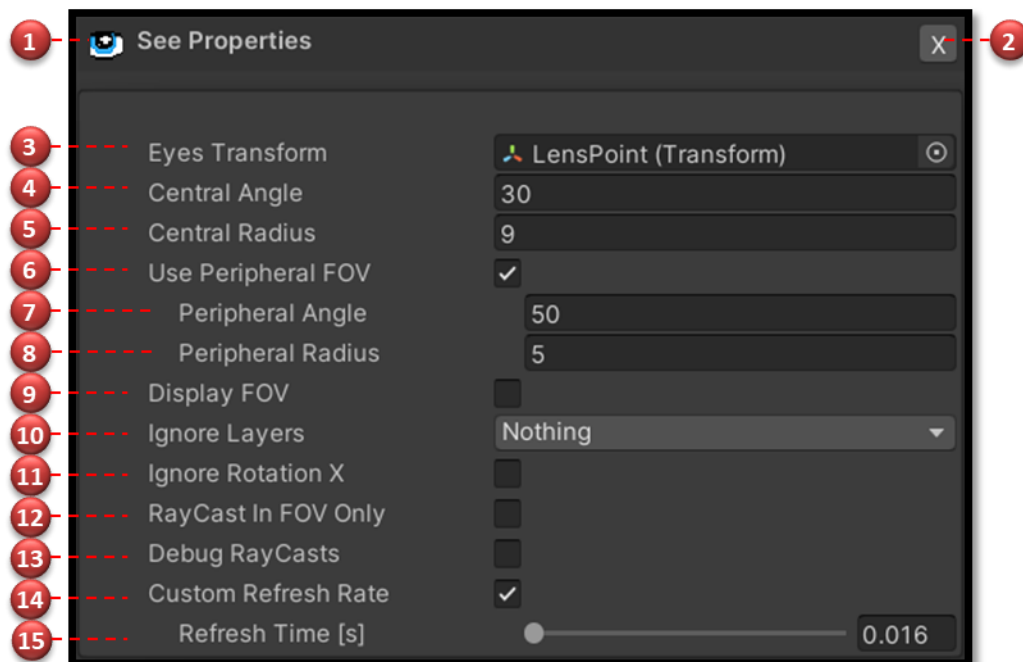
Description

See is Senses Sensor allows for Observing objects in two complementary zones (Central Vision and Peripheral).

See Sensor could be enabled or disabled either through inspector tab or code.

See Sensor gather **See Awareness** of Game Object with attached Target Senses component.

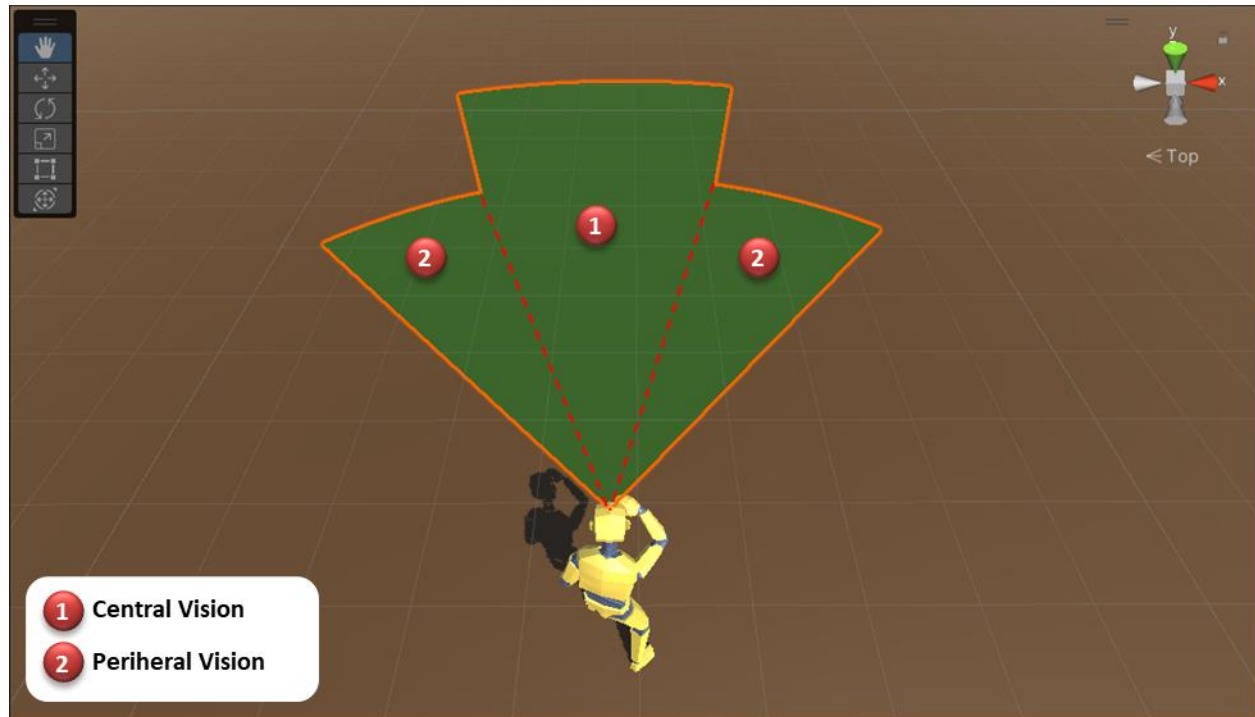
Properties of See Sensor could be setup either through inspector tab or code.



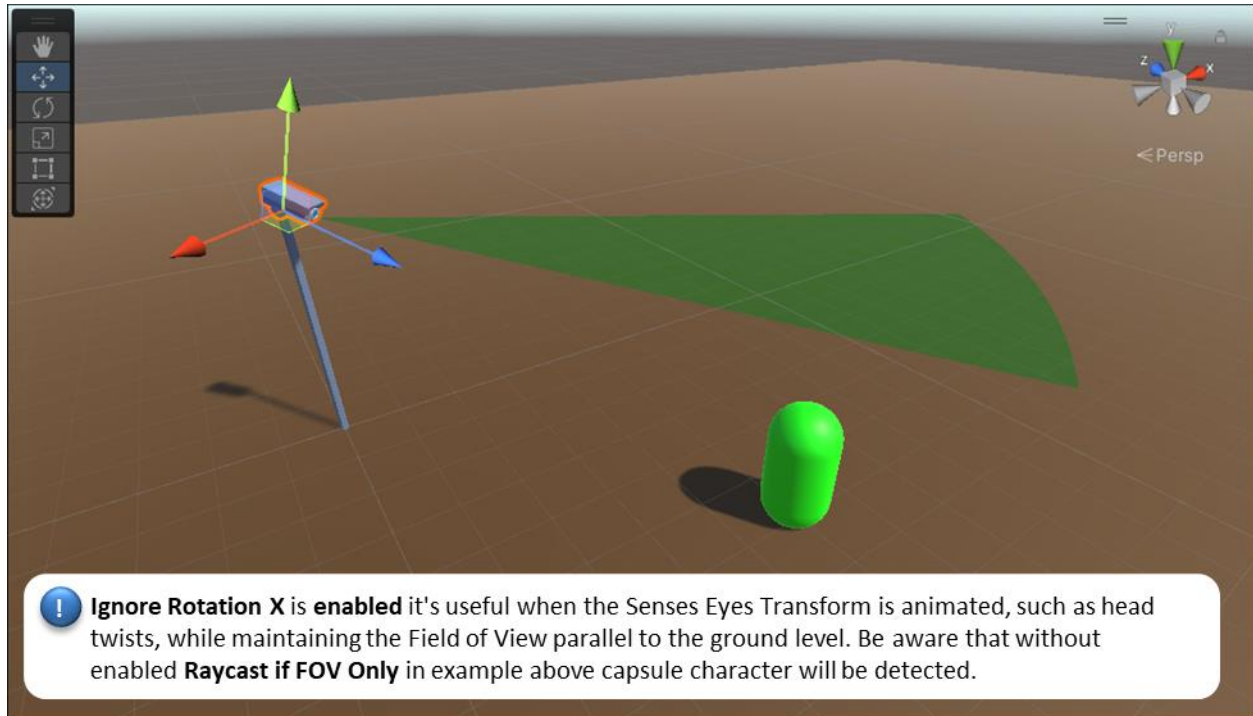
1	See Properties Foldout	Allows showing / hiding of See Sensor properties.
2	Remove Button	Allows disabling See Sensor.
3	Eyes Transform	Allows assign of Transform used as Eyes Transform. Eyes Transform position is used during radius, and angle calculations. Furthermore serves as raycast

		origin point during Line of Sight check. If not assign, script will use transform position.
4	Central Angle float	Allows setting up float value of central vision angle.
5	Central Radius float	Allows setting up float value of central vision radius.
6	Use Peripheral FOV	Allows setting state of use peripheral field of view.
7	Peripheral Angle float	Allows setting up float value of peripheral vision angle.
8	Peripheral Radius float	Allows setting up float value of peripheral vision radius.
9	Display FOV	Allows setting state of displaying field of view. Allowing for graphical preview of central and peripheral vision zone.
10	Ignore Layers	Allows setting up ignored layers.
11	Ignore Rotation X	Allows setting state of ignore rotation x. If enabled field of view will not rotate in X axis, and stay parallel to the ground level.
12	RayCast in FOV Only	When activated, the field of view will be treated as a flat triangle, causing colliders positioned below or above the field of view to be excluded from raycasting.
13	Debug RayCasts	When enabled, this feature allows for debugging raycasts. A green line indicates rays that did not hit anything, while a red line indicates rays that successfully hit an object.
14	Custom Refresh Rate	When disabled, each sense sensor refreshes during every frame of the update. However, when activated, it permits the use of a custom refresh time, defined by the Refresh Time [s] parameter.
15	Refresh Time [s]	Allows setting up float value of senses refresh time in seconds.

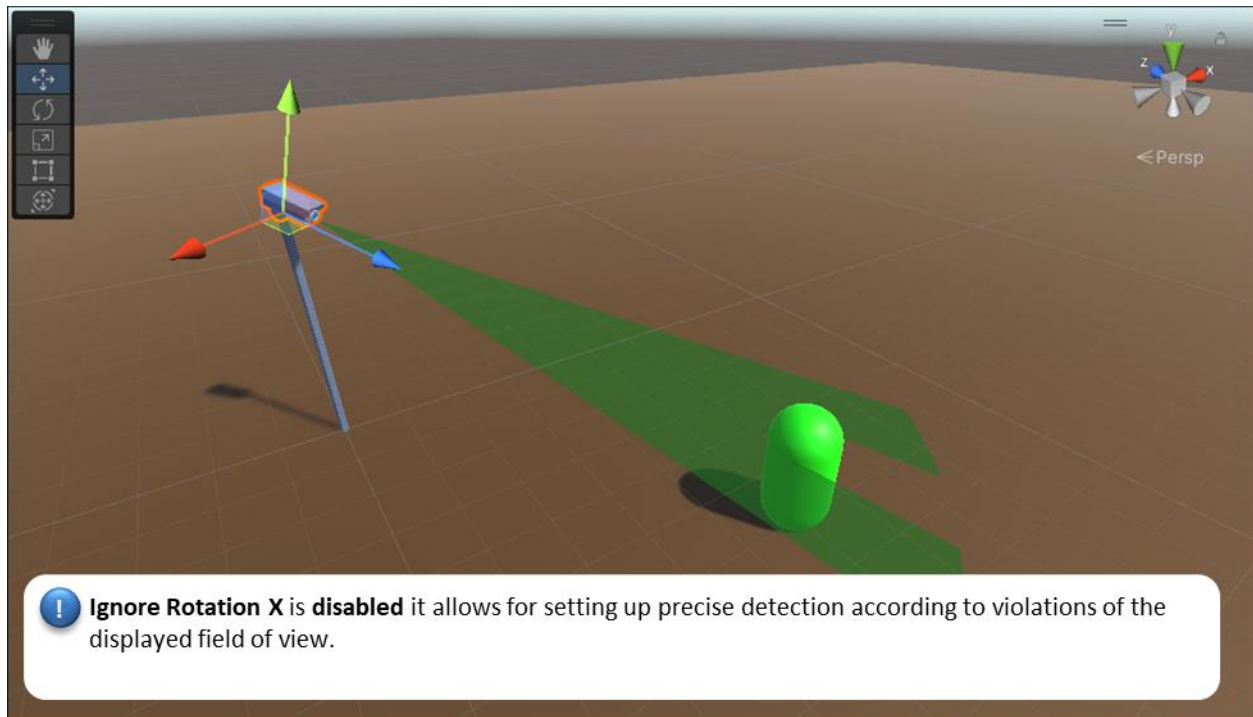
Field of view zones.



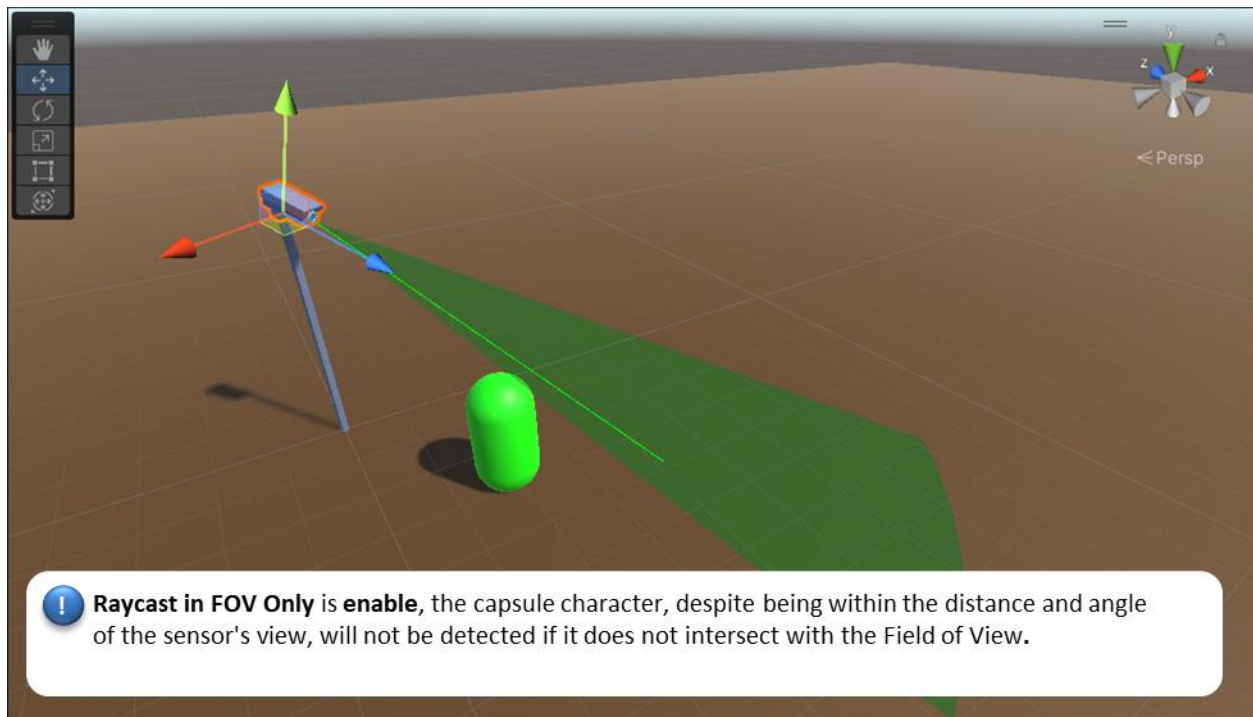
Ignore Rotation X (enabled).



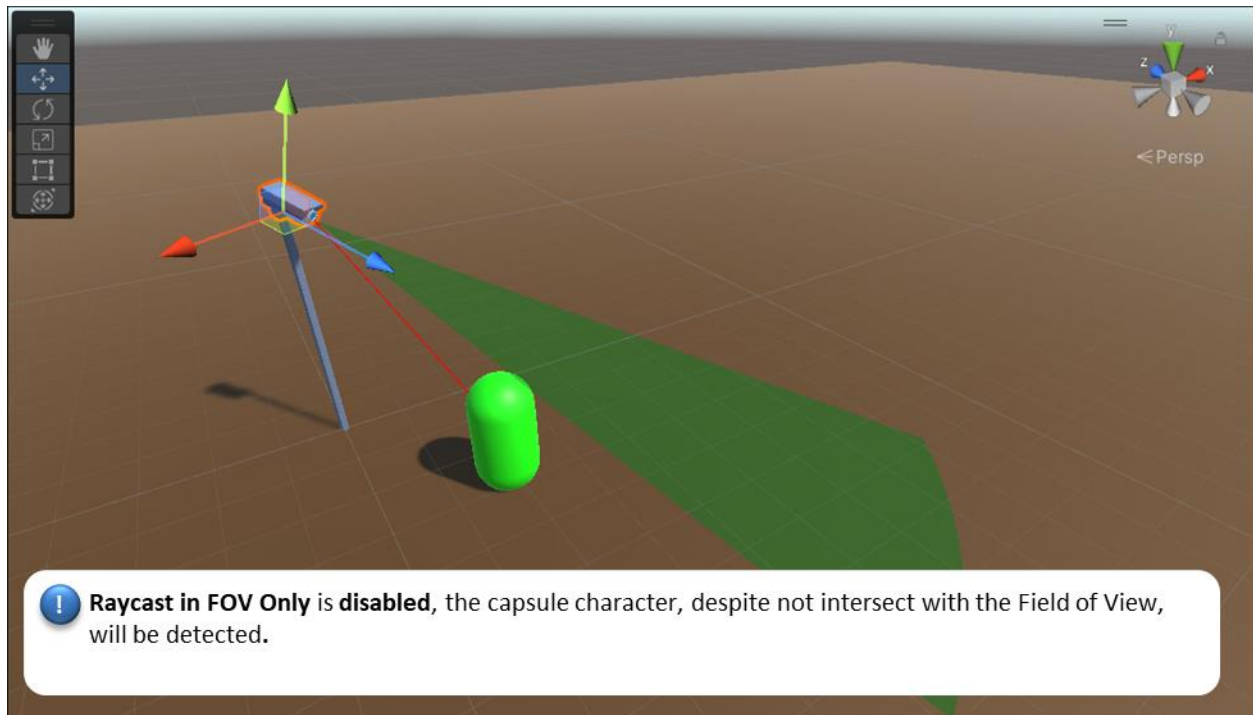
Ignore Rotation X (disabled).



Raycast in FOV Only (enabled).



Raycast in FOV Only (disabled).



Public Properties

Use_See	Returns true if uses See Sensor.
Eyes	Get transform Eyes.
IgnoreLayers	Get Ignored Layers
Use_CustomRefreshRate	Returns true if uses custom refresh rate.
Cooldown_SeeTimeAmount	Get float value of Cooldown_SeeTimeAmount
Central_VisionAngle	Get float value of Central_VisionAngle
Central_VisionRadius	Get float value of Central_VisionRadius
Use_PeripheralFOV	Returns true if uses peripheral field of view.
Peripheral_VisionAngle	Get float value of Peripheral_VisionAngle
Peripheral_VisionRadius	Get float value of Peripheral_VisionRadius
Use_DisplayFOV	Returns true if uses display field of view.
Use_IgnoreRotationX	Returns true if uses ignore rotation in X axis.
Use_RayCastInFovOnly	Returns true if uses raycast in field of view only.
Use_DebugDrawRay	Returns true if uses debug draw ray.

Public Methods

Set_UseSee	Sets state of bool Use_See.
Set_Eyes	Sets transform Eyes.
Set_UseCustomRefreshRate	Sets state of bool Use_CustomRefreshRate.
Set_CooldownSeeTimeAmount	Sets float value of Cooldown_SeeTimeAmount.
Set_CentralVisionAngle	Sets float value of Central_VisionAngle.
Set_CentralVisionRadius	Sets float value of Central_VisionRadius.
Set_UsePeripheralFOV	Sets state of bool Use_PeripheralFOV.
Set_PeripheralVisionAngle	Sets float value of Peripheral_VisionAngle.
Set_PeripheralVisionRadius	Sets float value of Peripheral_VisionRadius.
Set_UseDisplayFOV	Sets state of bool Use_UseDisplayFOV.
Set_UseIgnoreRotationX	Sets state of bool Use_IgnoreRotationX.
Set_UseRayCastInFovOnly	Sets state of bool Use_RayCastInFovOnly.
Set_DebugDrawRay	Sets state of bool Use_DebugDrawRay.

Hear - Senses Sensor

Description

Noise Component

Description

Properties

Use_NaveMesh	
Use_SpreadAccordingToDistance	

Public Methods

Set_UseNaveMesh	
Set_UseSpreadAccordingToDistance	
Release_Noise	

Public Variables

Obstacle Component

Description

Properties

Range_DecreaseFactor	
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Public Methods

Set_RangeDecreaseFactor	
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Public Variables

Stealth Component

Description

Properties

Stealth_Buff	
Position_LumenMesurment	
Use_LumenStealthAddon	

Public Methods

Set_StealthBuff	
Set_OffsetAxisY	
Provide_TotalStealthBuff	
Set_LumenStealtAddon	

Public Variables

Lumen - Stealth Component Add-on

Description

RigCollider Component

Description

Properties

Public Methods

Public Variables

TargetSenses Component

Description

Properties

Public Methods

Public Variables