PMArea Keyword

To get the PMArea (= Pixel Mapper Area) keyword in the command line, type **PMArea** or the shortcut **PM** in the command line.

Description

The PMArea keyword is an object keyword to access pixel mapper areas and pixel mapper outputs. You can store, copy, and delete pixel mapper setups. For more information, see MA VPU pixel mapper.

The default function for the PMArea keyword is SelFix. For more information, see SelFix keyword.

Syntax

[Store / Copy / Delete] PMArea [pixel mapper area ID].[pixel mapper output ID] / [option]

Assign PMArea [pixel mapper area ID].[pixel mapper output ID] / [parameter] = [parameter value]

Options

To get a list of all available options to the PMArea keyword, type in the command line:

Option	Option Shortcut	Option Value	Description
merge	m	no option value	Adds to the existing content. By default, the 3D coordinates will be used.
overwrite	o	no option value	Replace the existing content. By default, the 3D coordinates will be used.
remove	r	no option value	Removes the selected content.
autoalign	aa	no option value	Ignores the 3D position data and stores as a matrix (equal to the layout view).
x (only if the option autoalign is used)	no shortcut available	1.000...500.000	Defines the position of the x axis in the pixel mapper area.
y (only if the option autoalign is used)	no shortcut available	1.000...500.000	Defines the position of the y axis in the pixel mapper area.

Option	Option Shortcut	Option Value	Description
axis	no shortcut available	All possible combination with + and -, e.g. +x+y, +x+z	Defines the horizontal and vertical axis.
3dcoordinates	no shortcut available	no option value	Uses the 3D position coordinates of the fixture. See Patch & Fixture Schedule.
noconfirm	nc	no option value	Suppress the storing output pop-up.

Parameter

The following table displays the assignable parameter for **pixel mapper areas** via command line.

Parameter	Parameter Value	Description
Name	"Area 1"	Assign the pixel mapper area name.
DimX[m]	1.000...500.000	Assign the dimension of the x axis in meter.
DimY[m]	1.000...500.000	Assign the dimension of the y axis in meter.

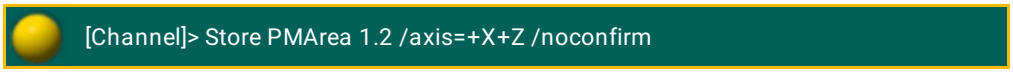
The following table displays the assignable parameter for **pixel mapper outputs** via command line.

Parameter	Parameter Value	Description
Name	"Output 1"	Assign the pixel mapper output name.
RenderIP	"192.168.0.4"	Assign the VPU IP address.
Camera	"Camera 4"	Assign one of the patched cameras.
ResX[Px]	1...4096	Assign the resolution of the x axis in pixel.
ResY[Px]	1...4096	Assign the resolution of the y axis in pixel.
VirtOut	"None", "Virtual Output 1"... "Virtual Output 16"	Assign if the camera, and resolution in pixel should be use for a virtual output.
Protocol	"Art-Net", "sACN", "MA-Net2"	Assign the protocol.
Priority	"Super", "Swp", "HTP", "High", "LTP", "Low"	Assign the pixel mapper priority.

Parameter	Parameter Value	Description
Art-NetMode (only if the protocol is Art-Net)	"Broadcast", "Unicast", "Auto"	Assign the Art-Net mode.
Art-NetStartAddress (only if the protocol is Art-Net)	1...128 : 0..F : 0..F	Assign the Art-Net start address.
sACNMode (only if the protocol is sACN)	"Multicast", "Unicast"	Assign the sACN mode.
sACNVersion (only if the protocol is sACN)	"Final", "Draft"	Assign the sACN version.
sACNPriority (only if the protocol is sACN)	0...200	Assign the priority. The highest number has the highest priority.
sACN TTL (only if the protocol is sACN)	0...255	TTL = Time to live Assign the number of routers (hops) that multicast traffic is permitted to pass through before expiring on the network. For each router (hop), the original specified TTL is decremented by one (1). When its TTL reaches a value of zero (0), each multicast datagram expires and is no longer forwarded through the network to other subnets.
sACN Start (only if the protocol is sACN)	0...63999 or "Original"	Assign the sACN universe. Original uses the same as patched.
Delay(ms) (only if the protocol is sACN or Art-Net)	0.000...2.500	Assign the packet delay.
FrameDelay (1/30s)	0...8	Assign the frame delay.

Examples

- To store the selected fixtures in the existing pixel mapper area 1 output 2 with a horizontal +x axis and a vertical +z axis, type in the command line:



- To assign the pixel mapper area 1 the name "Sunstrips", type in the command line: