Cameo

OPUS SP5 Plus



Manufacturer	**Cameo**
Type	**Profile spot**
DMX modes	**2**
DMX footprint	**34, 50 channels**
Beam angle	**6-48°**
Pan range	**540°**
Tilt range	**220°**
Size (W × H × D)	**301 × 540 × 241 mm**
GDTF fixture type	**BBD57B4D-B861-4B1E-A325-2F…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · CMY colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Movement speed · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset

DMX modes

34CH Mode Standard	34 ch
50CH Mode EXTENDED	50 ch

34CH Mode Standard

34 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–5 open 6–10 closed 23–32 Ramp up/down random · Slow 0.568–0.957 Hz 33–33 Ramp up/down random · Fast 1 Hz 46–55 Ramp up random · Slow 1.14–1.91 Hz 56–56 Ramp up random · Fast 2 Hz 69–78 Ramp down random · Slow 1.11–1.91 Hz 79–79 Ramp down random · Fast 2 Hz 80–101 Random Strobe effect · Slow 0.2–3.83 Hz 102–102 Random Strobe effect · Fast 4 Hz 103–126 Strobe Break effect · 5s short burst with break 0.0... 127–127 Strobe Break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 open
8	Cyan	0	
9	Magenta	0	
10	Yellow	0	
11	C TO	0	0–254 KW (6500K) 255–255 WW (2600K)
12	Color Wheel	0	0–5 Color open (wheel slot 1) 6–17 Open/Deep Red (wheel slot 1) 18–29 Deep Red (wheel slot 2) 30–41 Deep Red / Medium Blue (wheel slot 2) 42–53 Medium Blue (wheel slot 3) 54–65 Medium Blue / Deep Green (wheel slot 3) 66–77 Deep Green (wheel slot 4) 78–89 Depp Green / Lavender (wheel slot 4) 90–101 Lavender (wheel slot 5) 102–113 Lavender / Amber (wheel slot 5) 114–125 Amber (wheel slot 6) 126–137 Amber / CTO (wheel slot 6) 138–149 CTO (wheel slot 7) 150–161 CTO / Congo Blue (wheel slot 7) 162–173 Congo Blue (wheel slot 8) 174–185 Congo Blue / Open (wheel slot 8) 186–192 Color open (wheel slot 1) 193–254 forward slow 255–255 backwards slow

34CH Mode Standard (continued)

Ch	Function	Default	DMX values
13	Gobo	0	0–5 Open (wheel slot 1) 6–18 Gobo 1 (wheel slot 2) 19–31 Gobo 2 (wheel slot 3) 32–44 Gobo 3 (wheel slot 4) 45–57 Gobo 4 (wheel slot 5) 58–70 Gobo 5 (wheel slot 6) 71–83 Gobo 6 (wheel slot 7) 84–96 Gobo 7 (wheel slot 8) 97–109 Shake Gobo 1 (wheel slot 2) 110–122 Shake Gobo 2 (wheel slot 3) 123–135 Shake Gobo 3 (wheel slot 4) 136–148 Shake Gobo 4 (wheel slot 5) 149–161 Shake Gobo 5 (wheel slot 6) 162–174 Shake Gobo 6 (wheel slot 7) 175–190 Shake Gobo 7 (wheel slot 8) 191–192 open 193–254 forward slow 255–255 backward slow
14	Gobo Rotation	0	0–45 Left 46–128 Mid 129–191 forward 192–192 Rotation stop 193–255 backward
15	Gobo Rotation Fine	0	Fine byte of Gobo Rotation
16	Gobo 2	0	0–5 Open (wheel slot 1) 6–17 Gobo 1 (wheel slot 2) 18–29 Gobo 2 (wheel slot 3) 30–41 Gobo 3 (wheel slot 4) 42–53 Gobo 4 (wheel slot 5) 54–65 Gobo 5 (wheel slot 6) 66–77 Gobo 6 (wheel slot 7) 78–89 Gobo 7 (wheel slot 8) 90–101 Gobo 8 (wheel slot 9) 102–113 Shake Gobo 1 (wheel slot 2) 114–125 Shake Gobo 2 (wheel slot 3) 126–137 Shake Gobo 3 (wheel slot 4) 138–149 Shake Gobo 4 (wheel slot 5) 150–161 Shake Gobo 5 (wheel slot 6) 162–173 Shake Gobo 6 (wheel slot 7) 174–185 Shake Gobo 7 (wheel slot 8) 186–191 Shake Gobo 8 (wheel slot 9) 192–192 open (wheel slot 1) 193–254 forward slow 255–255 backward slow
17	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
18	Focus	0	

34CH Mode Standard (continued)

Ch	Function	Default	DMX values
19	Iris	0	0–0 Open 1–191 Mid 192–192 Close 193–200 slow 201–201 fast 202–209 slow 210–210 fast 211–218 slow 219–219 fast 220–227 slow 228–228 fast 229–236 slow 237–237 fast 238–245 slow 246–246 fast 247–254 slow 255–255 fast
20	Prism	0	0–5 open (wheel slot 1) 6–130 Prism 1 (3 Facet) (wheel slot 3) 131–255 Prism 2 (6 Facet) (wheel slot 2)
21	Prism Rotation	0	0–5 Prism Rot Off 6–128 Prism position 0 to 540 129–254 forward slow 255–255 backward slow
22	Frost1	0	0–254 open 255–255 Frost
23	Blade1A	0	0–63 Open 64–254 Mid 255–255 Close
24	Blade1B	0	0–63 Open 64–254 Mid 255–255 Close
25	Blade2A	0	0–63 Open 64–254 Mid 255–255 Close
26	Blade2B	0	0–63 Open 64–254 Mid 255–255 Close
27	Blade3A	0	0–63 Open 64–254 Mid 255–255 Close
28	Blade3B	0	0–63 Open 64–254 Mid 255–255 Close
29	Blade4A	0	0–63 Open 64–254 Mid 255–255 Close
30	Blade4B	0	0–63 Open 64–254 Mid 255–255 Close
31	Shaper Rot	127	0–126 0 <- 127–254 Mid 255–255 100 ->
32	Position MSpeed	0	0–5 no function 6–254 Fast 255–255 Slow

34CH Mode Standard (continued)

Ch	Function	Default	DMX values
33	Dimmer Curve	0	0–5 no function 6–63 Linear 64–127 Exponential 128–191 Logarithmic 192–255 S-Curve
34	Control1	0	0–5 Control off 6–20 Blackout while moving on (hold 3s) 21–35 Blackout while moving off (hold 5s) 36–50 Invert Pan on (hold 3s) 51–65 Invert Pan off (hold 5s) 66–80 Invert Tilt on (hold 3s) 81–95 Invert Tilt off (hold 5s) 96–97 No Function 98–99 Auto (Hold 3s) 100–101 Off (Hold 5s) 102–103 Constant Low (Hold 3s) 104–105 Constant Medium (Hold 3s) 106–107 Constant High (Hold 3s) 108–125 No Function 126–140 PWM 650 Hz (hold 3s) 141–155 PWM 1530 Hz (hold 3s) 156–170 PWM 3600 Hz (hold 3s) 171–185 PWM 12kHz (hold 3s) 186–200 PWM 25kHz (hold 3s) 201–215 Reset Pan / Tilt (Hold 3s) 216–230 Reset only Head (Hold 3s) 231–255 Reset All Functions (Hold 3s)

50CH Mode EXTENDED

50 channels

Ch	Function	Default	DMX values
1	Pan	128	
2	Pan Fine	0	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	Dimmer	0	
6	Dimmer Fine	0	Fine byte of Dimmer
7	Shutter / Strobe	0	0–5 open 6–10 closed 23–32 Ramp up/down random · Slow 0.568–0.957 Hz 33–33 Ramp up/down random · Fast 1 Hz 46–55 Ramp up random · Slow 1.14–1.91 Hz 56–56 Ramp up random · Fast 2 Hz 69–78 Ramp down random · Slow 1.11–1.91 Hz 79–79 Ramp down random · Fast 2 Hz 80–101 Random Strobe effect · Slow 0.2–3.83 Hz 102–102 Random Strobe effect · Fast 4 Hz 103–126 Strobe Break effect · 5s short burst with break 0.0... 127–127 Strobe Break effect · 1s short burst with break 0.5 ... 128–128 Strobe Linear · Slow 1Hz 2 Hz 129–249 Strobe Linear · 1-20Hz 2.11–14.9 Hz 250–250 Strobe Linear · Fast 20Hz 15 Hz 251–255 open
8	Cyan	0	
9	Cyan Fine	0	Fine byte of Cyan
10	Magenta	0	
11	Magenta Fine	0	Fine byte of Magenta

50CH Mode EXTENDED (continued)

Ch	Function	Default	DMX values
12	Yellow	0	
13	Yellow Fine	0	Fine byte of Yellow
14	C TO	0	0–254 KW (6500K) 255–255 WW (2600K)
15	C TO Fine	0	Fine byte of C TO
16	Color Wheel	0	0–5 Color open (wheel slot 1) 6–17 Open/Deep Red (wheel slot 1) 18–29 Deep Red (wheel slot 2) 30–41 Deep Red / Medium Blue (wheel slot 2) 42–53 Medium Blue (wheel slot 3) 54–65 Medium Blue / Deep Green (wheel slot 3) 66–77 Deep Green (wheel slot 4) 78–89 Depp Green / Lavender (wheel slot 4) 90–101 Lavender (wheel slot 5) 102–113 Lavender / Amber (wheel slot 5) 114–125 Amber (wheel slot 6) 126–137 Amber / CTO (wheel slot 6) 138–149 CTO (wheel slot 7) 150–161 CTO / Congo Blue (wheel slot 7) 162–173 Congo Blue (wheel slot 8) 174–185 Congo Blue / Open (wheel slot 8) 186–192 Color open (wheel slot 1) 193–254 forward slow 255–255 backwards slow
17	Gobo	0	0–5 Open (wheel slot 1) 6–18 Gobo 1 (wheel slot 2) 19–31 Gobo 2 (wheel slot 3) 32–44 Gobo 3 (wheel slot 4) 45–57 Gobo 4 (wheel slot 5) 58–70 Gobo 5 (wheel slot 6) 71–83 Gobo 6 (wheel slot 7) 84–96 Gobo 7 (wheel slot 8) 97–109 Shake Gobo 1 (wheel slot 2) 110–122 Shake Gobo 2 (wheel slot 3) 123–135 Shake Gobo 3 (wheel slot 4) 136–148 Shake Gobo 4 (wheel slot 5) 149–161 Shake Gobo 5 (wheel slot 6) 162–174 Shake Gobo 6 (wheel slot 7) 175–190 Shake Gobo 7 (wheel slot 8) 191–192 open 193–254 forward solw 255–255 backward slow
18	Gobo Rotation	0	0–45 Left 46–128 Mid 129–191 forward 192–192 Rotation stop 193–255 backward
19	Gobo Rotation Fine	0	Fine byte of Gobo Rotation

50CH Mode EXTENDED (continued)

Ch	Function	Default	DMX values
20	Gobo 2	0	0–5 Open (wheel slot 1) 6–17 Gobo 1 (wheel slot 2) 18–29 Gobo 2 (wheel slot 3) 30–41 Gobo 3 (wheel slot 4) 42–53 Gobo 4 (wheel slot 5) 54–65 Gobo 5 (wheel slot 6) 66–77 Gobo 6 (wheel slot 7) 78–89 Gobo 7 (wheel slot 8) 90–101 Gobo 8 (wheel slot 9) 102–113 Shake Gobo 1 (wheel slot 2) 114–125 Shake Gobo 2 (wheel slot 3) 126–137 Shake Gobo 3 (wheel slot 4) 138–149 Shake Gobo 4 (wheel slot 5) 150–161 Shake Gobo 5 (wheel slot 6) 162–173 Shake Gobo 6 (wheel slot 7) 174–185 Shake Gobo 7 (wheel slot 8) 186–191 Shake Gobo 8 (wheel slot 9) 192–192 open (wheel slot 1) 193–254 forward slow 255–255 backward slow
21	Zoom	127	0–126 Narrow 127–254 Mid 255–255 Wide
22	Zoom Fine	127	Fine byte of Zoom
23	Focus	0	
24	Focus Fine	0	Fine byte of Focus
25	Iris	0	0–0 Open 1–191 Mid 192–192 Close 193–200 slow 201–201 fast 202–209 slow 210–210 fast 211–218 slow 219–219 fast 220–227 slow 228–228 fast 229–236 slow 237–237 fast 238–245 slow 246–246 fast 247–254 slow 255–255 fast
26	Prism	0	0–5 open (wheel slot 1) 6–130 Prism 1 (3 Facet) (wheel slot 3) 131–255 Prism 2 (6 Facet) (wheel slot 2)
27	Prism Rotation	0	0–5 Prism Rot Off 6–128 Prism position 0 to 540 129–254 forward slow 255–255 backward slow
28	Frost1	0	0–254 open 255–255 Frost
29	Blade3B	0	0–63 Open 64–254 Mid 255–255 Close
30	Blade3B Fine	0	Fine byte of Blade3B
31	Blade3A	0	0–63 Open 64–254 Mid 255–255 Close

50CH Mode EXTENDED (continued)

Ch	Function	Default	DMX values
32	Blade3A Fine	0	Fine byte of Blade3A
33	Blade4A	0	0–63 Open 64–254 Mid 255–255 Close
34	Blade4A Fine	0	Fine byte of Blade4A
35	Blade4B	0	0–63 Open 64–254 Mid 255–255 Close
36	Blade4B Fine	0	Fine byte of Blade4B
37	Blade1A	0	0–63 Open 64–254 Mid 255–255 Close
38	Blade1A Fine	0	Fine byte of Blade1A
39	Blade1B	0	0–63 Open 64–254 Mid 255–255 Close
40	Blade1B Fine	0	Fine byte of Blade1B
41	Blade2A	0	0–63 Open 64–254 Mid 255–255 Close
42	Blade2A Fine	0	Fine byte of Blade2A
43	Blade2B	0	0–63 Open 64–254 Mid 255–255 Close
44	Blade2B Fine	0	Fine byte of Blade2B
45	Shaper Rot	127	0–126 0 <- 127–254 Mid 255–255 100 ->
46	Shaper Rot Fine	255	Fine byte of Shaper Rot
47	Position Effect	0	0–5 off 6–40 PAN small > big 41–75 TILT small > big 76–110 PAN / TILT small > big 111–145 PAN / TILT (invers) small > big 146–180 Circle small > big 181–215 Circle (invers) small > big 216–255 Random small > big
48	Position Effect Rate	0	0–5 no function 6–254 Fast 255–255 Slow
49	Dimmer Curve	0	0–5 no function 6–63 Linear 64–127 Exponential 128–191 Logarithmic 192–255 S-Curve

50CH Mode EXTENDED (continued)

Ch	Function	Default	DMX values
50	Control1	0	0–5 Control off 6–20 Blackout while moving on (hold 3s) 21–35 Blackout while moving off (hold 5s) 36–50 Invert Pan on (hold 3s) 51–65 Invert Pan off (hold 5s) 66–80 Invert Tilt on (hold 3s) 81–95 Invert Tilt off (hold 5s) 96–97 No Function 98–99 Auto (Hold 3s) 100–101 Off (Hold 5s) 102–103 Constant Low (Hold 3s) 104–105 Constant Medium (Hold 3s) 106–107 Constant High (Hold 3s) 108–125 No Function 126–140 PWM 650 Hz (hold 3s) 141–155 PWM 1530 Hz (hold 3s) 156–170 PWM 3600 Hz (hold 3s) 171–185 PWM 12kHz (hold 3s) 186–200 PWM 25kHz (hold 3s) 201–215 Reset Pan / Tilt (Hold 3s) 216–230 Reset only Head (Hold 3s) 231–255 Reset All Functions (Hold 3s)