Cameo

ROOTBAR SMD



Manufacturer	**Cameo**
Type	**Moving head**
DMX modes	**11**
DMX footprint	**4, 5, 6, 7, 8, 9, 10, 17, 41, 77 channels**
Beam angle	**61-73°**
Tilt range	**220°**
Size (W × H × D)	**1000 × 100 × 60 mm**
GDTF fixture type	**F6488598-F20E-404B-8897-A57…**

Controls

RGB colour mixing · Effect speed · Strobe · Dimmer

DMX modes

4CH	4 ch
D5CH	5 ch
6CH	6 ch
D7CH Direkt	7 ch
8CH	8 ch
9CH Pattern	9 ch
D9CH Strobe	9 ch
10CH Pattern	10 ch
20CH RGB PIXEL	17 ch
52CH RGB Dual Pixel	41 ch
88CH Pixel	77 ch

4CH

4 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Dimmer	0	0–254 Closed 255–255 Open

D5CH

5 channels

Ch	Function	Default	DMX values
1	Red	255	
2	Green	255	
3	Blue	255	
4	Dimmer	0	0–254 Closed 255–255 Open
5	D MXInput	0	0–5 Off 6–255 01 s to 2 secound

6CH

6 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–5 open 128–128 Strobe linear · Slow 1Hz 8.37 Hz 129–249 Strobe linear · 1-20 Hz 8.42–14.7 Hz 250–255 Strobe linear · Fast 20Hz 14.7–15 Hz
3	Red	255	
4	Green	255	
5	Blue	255	
6	Dimmer	0	0–254 Closed 255–255 Open

D7CH Direkt

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–4 open 5–5 closed 128–128 Strobe linear · Slow 1Hz 8.37 Hz 129–249 Strobe linear · 1-20 Hz 8.42–14.7 Hz 250–255 Strobe linear · Fast 20Hz 14.7–15 Hz
3	Red	255	
4	Green	255	
5	Blue	255	
6	Dimmer	0	0–254 Closed 255–255 Open
7	D MXInput	0	0–5 Off 6–255 01 s to 2 secound

8CH

8 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–4 open 5–5 closed 128–128 Strobe linear · Slow 1Hz 8.37 Hz 129–249 Strobe linear · 1-20 Hz 8.42–14.7 Hz 250–255 Strobe linear · Fast 20Hz 14.7–15 Hz
3	Red	255	
4	Green	255	
5	Blue	255	
6	Dimmer	0	0–254 Closed 255–255 Open
7	Shutter / Strobe	0	0–5 open 6–9 Strobe linear · Slow 1Hz 2–2.16 Hz 10–249 Strobe linear · 1-20 Hz 2.21–14.7 Hz 250–255 Strobe linear · Fast 20Hz 14.7–15 Hz
8	Effect Speed	0	0–5 no function 6–255 Sound Control on

9CH Pattern

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Pulse · slow 0.2–0.927 Hz 22–22 Pulse · fast 1 Hz 23–32 Pulse random · slow 0.2–0.92 Hz 33–33 Pulse random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–1.83 Hz 45–45 Ramp up strobe · fast 2 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.2–1.84 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.2–1.82 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 0.2–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
3	Red	255	
4	Green	255	
5	Blue	255	
6	Dimmer	0	0–254 Closed 255–255 Open
7	Shutter / Strobe	0	0–5 open 6–9 Strobe linear · Slow 1Hz 2–2.16 Hz 10–249 Strobe linear · 1-20 Hz 2.21–14.7 Hz 250–255 Strobe linear · Fast 20Hz 14.7–15 Hz

9CH Pattern (continued)

Ch	Function	Default	DMX values
8	Pattern	0	0–5 off 6–26 Pattern 1 27–47 Pattern 2 48–68 Pattern 3 69–89 Pattern 4 90–110 Pattern 5 111–131 Pattern 6 132–152 Pattern 7 153–173 Pattern 8 174–194 Pattern 9 195–215 Pattern 10 216–236 Pattern 11 237–255 Pattern 12
9	Pattern Speed	5	0–5 Effect Pattern stop 6–63 Center Pattern Speed slow to fast (Chase) 64–127 Center Pattern Speed fast to slow (Chase) (backwar… 128–191 Center Pattern Speed slow to fast (Fade) 192–255 Center Pattern Speed fast to slow (Fade) (backwar…

D9CH Strobe

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–4 open 5–5 closed 128–128 Strobe linear · Slow 1Hz 8.37 Hz 129–249 Strobe linear · 1-20 Hz 8.42–14.7 Hz 250–255 Strobe linear · Fast 20Hz 14.7–15 Hz
3	Red	255	
4	Green	255	
5	Blue	255	
6	Dimmer	0	0–254 Closed 255–255 Open
7	Shutter / Strobe	0	0–5 open 6–9 Strobe linear · Slow 1Hz 2–2.16 Hz 10–249 Strobe linear · 1-20 Hz 2.21–14.7 Hz 250–255 Strobe linear · Fast 20Hz 14.7–15 Hz
8	D MXInput	0	0–5 Off 6–255 01 s to 2 secound
9	Effect Speed	0	0–5 no function 6–255 Sound Control on

10CH Pattern

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	
2	Shutter / Strobe	0	0–4 open 5–5 closed 128–128 Strobe linear · Slow 1Hz 8.37 Hz 129–249 Strobe linear · 1-20 Hz 8.42–14.7 Hz 250–255 Strobe linear · Fast 20Hz 14.7–15 Hz
3	Red	255	
4	Green	255	
5	Blue	255	

10CH Pattern (continued)

Ch	Function	Default	DMX values
6	Dimmer	0	0–254 Closed 255–255 Open
7	Shutter / Strobe	0	0–5 open 6–9 Strobe linear · Slow 1Hz 2–2.16 Hz 10–249 Strobe linear · 1-20 Hz 2.21–14.7 Hz 250–255 Strobe linear · Fast 20Hz 14.7–15 Hz
8	Pattern	0	0–5 off 6–26 Pattern 1 27–47 Pattern 2 48–68 Pattern 3 69–89 Pattern 4 90–110 Pattern 5 111–131 Pattern 6 132–152 Pattern 7 153–173 Pattern 8 174–194 Pattern 9 195–215 Pattern 10 216–236 Pattern 11 237–255 Pattern 12
9	Pattern Speed	5	0–5 Effect Pattern stop 6–63 Center Pattern Speed slow to fast (Chase) 64–127 Center Pattern Speed fast to slow (Chase) (backwar… 128–191 Center Pattern Speed slow to fast (Fade) 192–255 Center Pattern Speed fast to slow (Fade) (backwar…
10	Effect Speed	0	0–5 no function 6–255 Sound Control on

20CH RGB PIXEL

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–5 open 6–9 Strobe linear · Slow 1Hz 2–2.16 Hz 10–249 Strobe linear · 1-20 Hz 2.21–14.7 Hz 250–255 Strobe linear · Fast 20Hz 14.7–15 Hz
3	Dimmer	0	0–254 Closed 255–255 Open
4	Shutter / Strobe	0	0–5 open 6–9 Strobe linear · Slow 1Hz 2–2.16 Hz 10–249 Strobe linear · 1-20 Hz 2.21–14.7 Hz 250–255 Strobe linear · Fast 20Hz 14.7–15 Hz
5	Red	255	
6	Green	255	
7	Blue	255	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	

20CH RGB PIXEL (continued)

Ch	Function	Default	DMX values
17	Dimmer	0	

52CH RGB Dual Pixel

41 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Pulse · slow 0.2–0.927 Hz 22–22 Pulse · fast 1 Hz 23–32 Pulse random · slow 0.2–0.92 Hz 33–33 Pulse random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–1.83 Hz 45–45 Ramp up strobe · fast 2 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.2–1.84 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.2–1.82 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 0.2–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
3	Dimmer	0	0–254 Closed 255–255 Open
4	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Pulse · slow 0.2–0.927 Hz 22–22 Pulse · fast 1 Hz 23–32 Pulse random · slow 0.2–0.92 Hz 33–33 Pulse random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–1.83 Hz 45–45 Ramp up strobe · fast 2 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.2–1.84 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.2–1.82 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 0.2–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
5	Red	255	
6	Green	255	
7	Blue	255	
8	Reserved 8	0	
9	Reserved 9	0	

52CH RGB Dual Pixel (continued)

Ch	Function	Default	DMX values
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Dimmer	0	

88CH Pixel

77 channels

Ch	Function	Default	DMX values
1	Dimmer	0	

88CH Pixel (continued)

Ch	Function	Default	DMX values
2	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Pulse · slow 0.2–0.927 Hz 22–22 Pulse · fast 1 Hz 23–32 Pulse random · slow 0.2–0.92 Hz 33–33 Pulse random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–1.83 Hz 45–45 Ramp up strobe · fast 2 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.2–1.84 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.2–1.82 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 0.2–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
3	Dimmer	0	
4	Shutter / Strobe	0	0–9 open 10–10 closed 11–21 Pulse · slow 0.2–0.927 Hz 22–22 Pulse · fast 1 Hz 23–32 Pulse random · slow 0.2–0.92 Hz 33–33 Pulse random · fast 1 Hz 34–44 Ramp up strobe · slow 0.1–1.83 Hz 45–45 Ramp up strobe · fast 2 Hz 46–55 Ramp up random · slow 0.1–1.81 Hz 56–56 Ramp up random · fast 2 Hz 57–67 Ramp down strobe · slow 0.2–1.84 Hz 68–68 Ramp down strobe · fast 2 Hz 69–78 Ramp down random · slow 0.2–1.82 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 0.2–... 127–127 Strobe break effect · 1s short burst with break 0.5 ... 128–128 Strobe linear · Slow 1Hz 2 Hz 129–249 Strobe linear · 1-20 Hz 2.11–14.9 Hz 250–250 Strobe linear · Fast 20Hz 15 Hz 251–255 open
5	Red	255	
6	Green	255	
7	Blue	255	
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	

88CH Pixel (continued)

Ch	Function	Default	DMX values
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Reserved 21	0	
22	Reserved 22	0	
23	Reserved 23	0	
24	Reserved 24	0	
25	Reserved 25	0	
26	Reserved 26	0	
27	Reserved 27	0	
28	Reserved 28	0	
29	Reserved 29	0	
30	Reserved 30	0	
31	Reserved 31	0	
32	Reserved 32	0	
33	Reserved 33	0	
34	Reserved 34	0	
35	Reserved 35	0	
36	Reserved 36	0	
37	Reserved 37	0	
38	Reserved 38	0	
39	Reserved 39	0	
40	Reserved 40	0	
41	Reserved 41	0	
42	Reserved 42	0	
43	Reserved 43	0	
44	Reserved 44	0	
45	Reserved 45	0	
46	Reserved 46	0	
47	Reserved 47	0	
48	Reserved 48	0	
49	Reserved 49	0	
50	Reserved 50	0	
51	Reserved 51	0	
52	Reserved 52	0	
53	Reserved 53	0	
54	Reserved 54	0	
55	Reserved 55	0	
56	Reserved 56	0	
57	Reserved 57	0	
58	Reserved 58	0	
59	Reserved 59	0	
60	Reserved 60	0	
61	Reserved 61	0	

88CH Pixel (continued)

Ch	Function	Default	DMX values
62	Reserved 62	0	
63	Reserved 63	0	
64	Reserved 64	0	
65	Reserved 65	0	
66	Reserved 66	0	
67	Reserved 67	0	
68	Reserved 68	0	
69	Reserved 69	0	
70	Reserved 70	0	
71	Reserved 71	0	
72	Reserved 72	0	
73	Reserved 73	0	
74	Reserved 74	0	
75	Reserved 75	0	
76	Reserved 76	0	
77	Dimmer	0	