ACME

ACME AECO 20 INTL (AECO 20 INTL)



Manufacturer	**ACME**
Type	**Profile spot**
DMX modes	**4**
DMX footprint	**22, 28, 31, 37 channels**
Beam angle	**5-50°**
Pan range	**540°**
Tilt range	**270°**
Size (W × H × D)	**326 × 590 × 290 mm**
GDTF fixture type	**317C58F8-491B-472F-8E27-CB…**

Controls

Focus · Frost · Iris · Prism · Prism rotation · Zoom · RGB colour mixing · Colour temperature · Colour wheel · Strobe · Dimmer · Pan and tilt · Animation wheel · Gobos · Gobo rotation

Safety-relevant functions

Fixture reset · Strobe

DMX modes

Mode 4 22 DMX	22 ch
Mode 2 28 DMX	28 ch
Mode 3 31 DMX	31 ch
Mode 1 37 DMX	37 ch

Mode 4 22 DMX

22 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	
6	Red	0	
7	Green	0	
8	Blue	0	
9	C TO	0	
10	Color Wheel	0	0–7 Open (wheel slot 1) 8–16 Color 1 (wheel slot 2) 17–25 Color 2 (wheel slot 3) 26–34 Color 3 (wheel slot 4) 35–43 Color 4 (wheel slot 5) 44–52 Color 5 (wheel slot 6) 53–63 Color 6 (wheel slot 7) 64–127 Color1 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
11	Color Wheel 2	0	0–7 Open (wheel slot 1) 8–18 Color 1 (wheel slot 2) 19–29 Color 2 (wheel slot 3) 30–40 Color 3 (wheel slot 4) 41–51 Color 4 (wheel slot 5) 52–63 Color 5 (wheel slot 6) 64–127 Color2 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CCW
12	Iris	0	
13	Frost1	0	
14	Frost2	0	
15	Zoom	128	
16	Zoom Fine	128	Fine byte of Zoom
17	Focus	122	
18	Focus Fine	122	Fine byte of Focus
19	Shutter / Strobe	15	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 182–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–247 Strobe Ran 248–255 Open 5
20	Dimmer	0	

Mode 4 22 DMX (continued)

Ch	Function	Default	DMX values
21	Dimmer Fine	0	Fine byte of Dimmer
22	Function	0	0–9 No Feature 1 10–19 Blade Mode 1 20–29 Blade Mode 2 30–39 Dim Square Law 40–49 Dim Inv Square Law 50–59 Dim Curve Line 60–69 Dim Curve S 70–79 Standard 80–89 Quiet 90–99 Compatible 100–109 Frequency Setting 110–119 Frequency Disable 120–121 900HZ 122–123 1000HZ 124–125 1100HZ 126–127 1200HZ 128–129 1300HZ 130–131 1400HZ 132–133 1500HZ 134–135 2500HZ 136–137 4000HZ 138–139 5000HZ 140–141 6000HZ 142–143 10K 144–145 15K 146–147 20K 148–149 25K 170–179 NoFeature 2 180–189 Dimmer Fast 190–199 Dim Smooth 200–209 All Reset 210–219 Eff Reset 220–229 PT Reset 230–239 NoFeature 3 240–245 CCI On 246–251 CCI Off 252–255 NoFeature 4

Mode 2 28 DMX

28 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	
6	Red	0	
7	Green	0	
8	Blue	0	
9	C TO	0	

Mode 2 28 DMX (continued)

Ch	Function	Default	DMX values
10	Color Wheel	0	0–7 Open (wheel slot 1) 8–16 Color 1 (wheel slot 2) 17–25 Color 2 (wheel slot 3) 26–34 Color 3 (wheel slot 4) 35–43 Color 4 (wheel slot 5) 44–52 Color 5 (wheel slot 6) 53–63 Color 6 (wheel slot 7) 64–127 Color1 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
11	Color Wheel 2	0	0–7 Open (wheel slot 1) 8–18 Color 1 (wheel slot 2) 19–29 Color 2 (wheel slot 3) 30–40 Color 3 (wheel slot 4) 41–51 Color 4 (wheel slot 5) 52–63 Color 5 (wheel slot 6) 64–127 Color2 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CCW
12	Gobo	0	0–7 Open (wheel slot 1) 8–15 Gobo 1 (wheel slot 2) 16–23 Gobo 2 (wheel slot 3) 24–31 Gobo 3 (wheel slot 4) 32–39 Gobo 4 (wheel slot 5) 40–47 Gobo 5 (wheel slot 6) 48–55 Gobo 6 (wheel slot 7) 56–63 Gobo 7 (wheel slot 8) 64–72 Gobo 1 Shake (wheel slot 2) 73–81 Gobo 2 Shake (wheel slot 3) 82–90 Gobo 3 Shake (wheel slot 4) 91–99 Gobo 4 Shake (wheel slot 5) 100–108 Gobo 5 Shake (wheel slot 6) 109–117 Gobo 6 Shake (wheel slot 7) 118–127 Gobo 7 Shake (wheel slot 8) 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
13	Gobo Rotation	0	0–0 Open 1–127 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW

Mode 2 28 DMX (continued)

Ch	Function	Default	DMX values
14	Gobo 2	0	0–7 Open (wheel slot 1) 8–13 Gobo 1 (wheel slot 2) 14–19 Gobo 2 (wheel slot 3) 20–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–37 Gobo 5 (wheel slot 6) 38–43 Gobo 6 (wheel slot 7) 44–49 Gobo 7 (wheel slot 8) 50–55 Gobo 8 (wheel slot 9) 56–63 Gobo 9 (wheel slot 10) 64–70 Gobo1Shake (wheel slot 2) 71–77 Gobo2 Shake (wheel slot 3) 78–84 Gobo3 Shake (wheel slot 4) 85–91 Gobo4 Shake (wheel slot 5) 92–98 Gobo5 Shake (wheel slot 6) 99–105 Gobo6 Shake (wheel slot 7) 106–112 Gobo7 Shake (wheel slot 8) 113–119 Gobo8 Shake (wheel slot 9) 120–127 Gobo9 Shake (wheel slot 10) 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
15	Animation Wheel1	0	0–7 OFF 8–68 >>> 69–128 >> 129–129 > 130–133 Stop 134–194 < 195–254 << 255–255 <<<
16	Iris	0	
17	Prism	0	0–7 Open (wheel slot 1) 8–131 Prism1 (wheel slot 2) 132–255 Prism2 (wheel slot 3)
18	Prism Rotation	0	0–0 Open 1–127 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
19	Frost1	0	
20	Frost2	0	
21	Zoom	128	
22	Zoom Fine	128	Fine byte of Zoom
23	Focus	122	
24	Focus Fine	122	Fine byte of Focus

Mode 2 28 DMX (continued)

Ch	Function	Default	DMX values
25	Shutter / Strobe	15	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 182–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–247 Strobe Ran 248–255 Open 5
26	Dimmer	0	
27	Dimmer Fine	0	Fine byte of Dimmer
28	Function	0	0–9 No Feature 1 10–19 Blade Mode 1 20–29 Blade Mode 2 30–39 Dim Square Law 40–49 Dim Inv Square Law 50–59 Dim Curve Line 60–69 Dim Curve S 70–79 Standard 80–89 Quiet 90–99 Compatible 100–109 Frequency Setting 110–119 Frequency Disable 120–121 900HZ 122–123 1000HZ 124–125 1100HZ 126–127 1200HZ 128–129 1300HZ 130–131 1400HZ 132–133 1500HZ 134–135 2500HZ 136–137 4000HZ 138–139 5000HZ 140–141 6000HZ 142–143 10K 144–145 15K 146–147 20K 148–149 25K 150–179 NoFeature 3 180–189 Dimmer Fast 190–199 Dim Smooth 200–209 All Reset 210–219 Eff Reset 220–229 PT Reset 230–239 NoFeature 4 240–245 CCI On 246–251 CCI Off 252–255 NoFeature 5

Mode 3 31 DMX

31 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	

Mode 3 31 DMX (continued)

Ch	Function	Default	DMX values
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	
6	Red	0	
7	Green	0	
8	Blue	0	
9	C TO	0	
10	Color Wheel	0	0–7 Open (wheel slot 1) 8–16 Color 1 (wheel slot 2) 17–25 Color 2 (wheel slot 3) 26–34 Color 3 (wheel slot 4) 35–43 Color 4 (wheel slot 5) 44–52 Color 5 (wheel slot 6) 53–63 Color 6 (wheel slot 7) 64–127 Color1 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
11	Color Wheel 2	0	0–7 Open (wheel slot 1) 8–18 Color 1 (wheel slot 2) 19–29 Color 2 (wheel slot 3) 30–40 Color 3 (wheel slot 4) 41–51 Color 4 (wheel slot 5) 52–63 Color 5 (wheel slot 6) 64–127 Color2 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CCW
12	Iris	0	
13	Frost1	0	
14	Frost2	0	
15	Zoom	128	
16	Zoom Fine	128	Fine byte of Zoom
17	Focus	122	
18	Focus Fine	122	Fine byte of Focus
19	Shutter / Strobe	15	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 182–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–247 Strobe Ran 248–255 Open 5
20	Dimmer	0	
21	Dimmer Fine	0	Fine byte of Dimmer
22	Blade1Rot	128	
23	Blade1A	0	

Mode 3 31 DMX (continued)

Ch	Function	Default	DMX values
24	Blade1B	0	
25	Blade3A	0	
26	Blade3B	0	
27	Blade2A	0	
28	Blade2B	0	
29	Blade4A	0	
30	Blade4B	0	
31	Function	0	0–9 No Feature 1 10–19 Blade Mode 1 20–29 Blade Mode 2 30–39 Dim Square Law 40–49 Dim Inv Square Law 50–59 Dim Curve Line 60–69 Dim Curve S 70–79 Standard 80–89 Quiet 90–99 Compatible 100–109 Frequency Setting 110–119 Frequency Disable 120–121 900HZ 122–123 1000HZ 124–125 1100HZ 126–127 1200HZ 128–129 1300HZ 130–131 1400HZ 132–133 1500HZ 134–135 2500HZ 136–137 4000HZ 138–139 5000HZ 140–141 6000HZ 142–143 10K 144–145 15K 146–147 20K 148–149 25K 170–179 NoFeature 2 180–189 Dimmer Fast 190–199 Dim Smooth 200–209 All Reset 210–219 Eff Reset 220–229 PT Reset 230–239 NoFeature 3 240–245 CCI On 246–251 CCI Off 252–255 NoFeature 4

Mode 1 37 DMX

37 channels

Ch	Function	Default	DMX values
1	Pan	127	
2	Pan Fine	255	Fine byte of Pan
3	Tilt	128	
4	Tilt Fine	0	Fine byte of Tilt
5	P TSpeed	0	
6	Red	0	
7	Green	0	
8	Blue	0	

Mode 1 37 DMX (continued)

Ch	Function	Default	DMX values
9	C TO	0	
10	Color Wheel	0	0–7 Open (wheel slot 1) 8–16 Color 1 (wheel slot 2) 17–25 Color 2 (wheel slot 3) 26–34 Color 3 (wheel slot 4) 35–43 Color 4 (wheel slot 5) 44–52 Color 5 (wheel slot 6) 53–63 Color 6 (wheel slot 7) 64–127 Color1 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
11	Color Wheel 2	0	0–7 Open (wheel slot 1) 8–18 Color 1 (wheel slot 2) 19–29 Color 2 (wheel slot 3) 30–40 Color 3 (wheel slot 4) 41–51 Color 4 (wheel slot 5) 52–63 Color 5 (wheel slot 6) 64–127 Color2 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CCW
12	Gobo	0	0–7 Open (wheel slot 1) 8–15 Gobo 1 (wheel slot 2) 16–23 Gobo 2 (wheel slot 3) 24–31 Gobo 3 (wheel slot 4) 32–39 Gobo 4 (wheel slot 5) 40–47 Gobo 5 (wheel slot 6) 48–55 Gobo 6 (wheel slot 7) 56–63 Gobo 7 (wheel slot 8) 64–72 Gobo 1 Shake (wheel slot 2) 73–81 Gobo 2 Shake (wheel slot 3) 82–90 Gobo 3 Shake (wheel slot 4) 91–99 Gobo 4 Shake (wheel slot 5) 100–108 Gobo 5 Shake (wheel slot 6) 109–117 Gobo 6 Shake (wheel slot 7) 118–127 Gobo 7 Shake (wheel slot 8) 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
13	Gobo Rotation	0	0–0 Open 1–127 Gobo1Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW

Mode 1 37 DMX (continued)

Ch	Function	Default	DMX values
14	Gobo 2	0	0–7 Open (wheel slot 1) 8–13 Gobo 1 (wheel slot 2) 14–19 Gobo 2 (wheel slot 3) 20–25 Gobo 3 (wheel slot 4) 26–31 Gobo 4 (wheel slot 5) 32–37 Gobo 5 (wheel slot 6) 38–43 Gobo 6 (wheel slot 7) 44–49 Gobo 7 (wheel slot 8) 50–55 Gobo 8 (wheel slot 9) 56–63 Gobo 9 (wheel slot 10) 64–70 Gobo1Shake (wheel slot 2) 71–77 Gobo2 Shake (wheel slot 3) 78–84 Gobo3 Shake (wheel slot 4) 85–91 Gobo4 Shake (wheel slot 5) 92–98 Gobo5 Shake (wheel slot 6) 99–105 Gobo6 Shake (wheel slot 7) 106–112 Gobo7 Shake (wheel slot 8) 113–119 Gobo8 Shake (wheel slot 9) 120–127 Gobo9 Shake (wheel slot 10) 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
15	Animation Wheel1	0	0–7 OFF 8–68 >>> 69–128 >> 129–129 > 130–133 Stop 134–194 < 195–254 << 255–255 <<<
16	Iris	0	
17	Prism	0	0–7 Open (wheel slot 1) 8–131 Prism1 (wheel slot 2) 132–255 Prism2 (wheel slot 3)
18	Prism Rotation	0	0–0 Open 1–127 Index 128–188 max CCW 189–189 min CCW 190–193 Stop 194–254 min CW 255–255 max CW
19	Frost1	0	
20	Frost2	0	
21	Zoom	128	
22	Zoom Fine	128	Fine byte of Zoom
23	Focus	122	
24	Focus Fine	122	Fine byte of Focus

Mode 1 37 DMX (continued)

Ch	Function	Default	DMX values
25	Shutter / Strobe	15	0–7 Closed 8–15 Open 16–130 min Strobe 131–131 max Strobe 132–139 Open 2 140–180 min Pulse Open 181–181 max Pulse Open 182–189 Open 3 190–230 min Pulse Close 231–231 max Pulse Close 232–239 Open 4 240–247 Strobe Ran 248–255 Open 5
26	Dimmer	0	
27	Dimmer Fine	0	Fine byte of Dimmer
28	Blade1Rot	128	
29	Blade1A	0	
30	Blade1B	0	
31	Blade3A	0	
32	Blade3B	0	
33	Blade2A	0	
34	Blade2B	0	
35	Blade4A	0	
36	Blade4B	0	

Mode 1 37 DMX (continued)

Ch	Function	Default	DMX values
37	Function	0	0–9 No Feature 1 10–19 Blade Mode 1 20–29 Blade Mode 2 30–39 Dim Square Law 40–49 Dim Inv Square Law 50–59 Dim Curve Line 60–69 Dim Curve S 70–79 Standard 80–89 Quiet 90–99 Compatible 100–109 Frequency Setting 110–119 Frequency Disable 120–121 900HZ 122–123 1000HZ 124–125 1100HZ 126–127 1200HZ 128–129 1300HZ 130–131 1400HZ 132–133 1500HZ 134–135 2500HZ 136–137 4000HZ 138–139 5000HZ 140–141 6000HZ 142–143 10K 144–145 15K 146–147 20K 148–149 25K 150–179 NoFeature 2 180–189 Dimmer Fast 190–199 Dim Smooth 200–209 All Reset 210–219 Eff Reset 220–229 PT Reset 230–239 NoFeature 3 240–245 CCI On 246–251 CCI Off 252–255 NoFeature 4