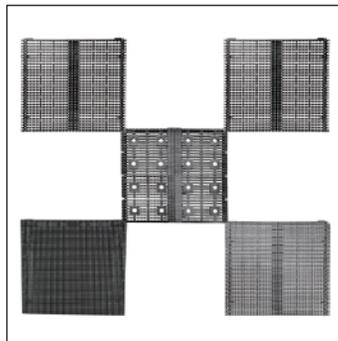# Magic Cube

■ Features

Easy Installation
Magnets within the panels allow for easy assembly by one person.

Frame Compatibility
All Carbon, Magic Cube, and Hybrid panels share the same frame for the ability to easily mix and match.

Touring Option
Our innovative touring system provides a convenient all-in-one solution for packaging, transport, installation, and maintenance.

■ Specifications

Magic Cube	MC-5H	MC-7H	MC-9H	MC-12H	MC-18H
Pixel Pitch	5.769 mm	7.5 mm	9.375 mm	12.5 mm	18.75 mm
Pixel Density	30,044/sqm	17,778/sqm	11,378/sqm	6,400/sqm	2,844/sqm
Pixel / Tile	104×104	80×80	64×64	48×48	32×32
LED Configuration	HB Black/White SMD 3-in-1	HB Black/White SMD 3-in-1	White SMD 3-in-1	White SMD 3-in-1	White SMD 3-in-1
Max. Brightness	5,000 nits (Multicolor 2727) 6,000 nits (NationStar 2727)	5,000 nits (Multicolor 3535) 5,000 nits (NationStar 2727)	5,500 nits (NationStar 3535)	6,000 nits (NationStar 3535)	4,800 nits (NationStar 3535)
Viewing Angle	140°/120°(H/V)	140°/120°(H/V)	140°/120°(H/V)	140°/120°(H/V)	140°/120°(H/V)
Transparency	Solid	Solid	17%	21%	37%
Tile Dimension (W×H×D)Light Frame	600mm×600mm×89mm 23.6"×23.6"×3.5"	600mm×600mm×85mm 23.6"×23.6"×3.3"	600mm×600mm×85mm 23.6"×23.6"×3.3"	600mm×600mm×85mm 23.6"×23.6"×3.3"	600mm×600mm×85mm 23.6"×23.6"×3.3"
Tile Dimension (W×H×D)Tour Frame	600mm×600mm×95mm 23.6"×23.6"×3.7"	600mm×600mm×95mm 23.6"×23.6"×3.7"	600mm×600mm×95mm 23.6"×23.6"×3.7"	600mm×600mm×95mm 23.6"×23.6"×3.7"	600mm×600mm×95mm 23.6"×23.6"×3.7"
Tile Weight (Light Frame)	/	10.4kg 9.5kg	8.0kg	7.5kg	7.0kg
Tile Weight (Touring Frame)	17.0kg	15.7kg/ 14.8kg	13.3kg	12.8kg/	12.2kg
Max. Hanging	20 tiles	20 tiles	20 tiles	20 tiles	20 tiles
Max. Stacking (Touring Frame)	8 tiles	8 tiles	8 tiles	8 tiles	8 tiles
IP Rating(Front/Rear)	IP65	IP65	IP65	IP65	IP65
Curve	-10° / 0° / +10°	-10° / 0° / +10°	-10° / 0° / +10°	-10° / 0° / +10°	-10° / 0° / +10°
Gray Scale	16bit	16bit	16bit	16bit	16bit
Scan	1/4	1/5	1/4	Static	Static
Refresh Rate	3,840Hz	2,000Hz	3,500Hz	4,000Hz	4,000Hz
Max Power/Tile	400W 280W	420W 300W	320W	320W	250W
Processor	Evision	Evision	Evision	Evision	Evision
Lifetime	≥50,000h	≥50,000h	≥50,000h	≥50,000h	≥50,000h
Ope Temp/Hum	-20℃ to 45℃, 10~90%RH	-20℃ to 45℃, 10~90%RH	-20℃ to 45℃, 10~90%RH	-20℃ to 45℃, 10~90%RH	-20℃ to 45℃, 10~90%RH
Sto Temp/Hum	-40℃ to 60℃, 10~90%RH	-40℃ to 60℃, 10~90%RH	-40℃ to 60℃, 10~90%RH	-40℃ to 60℃, 10~90%RH	-40℃ to 60℃, 10~90%RH
Certifications	—	CE ETL TÜVRheinland	CE ETL TÜVRheinland	CE ETL TÜVRheinland	CE ETL TÜVRheinland

■ Dimensions