



CCTV Pan/Tilt Scanner

Specification

Model	HT-71 MC Indoor scanner	HT-81 MC Indoor pan/tilt scanner	HT-91 MC Outdoor pan/tilt scanner
Power supply	AC, 24V / 110V / 220V , 60 / 50 Hz		
Motor torque	Pan: 40Kgf-cm		
Pan speed	6° / sec (60Hz) ; 5° / sec (50Hz)		
Tilt speed	N/A	3.6° / sec (60Hz) ; 3° / sec (50Hz)	
Power consumption	Pan: 2W	Pan:2W ;Tilt: 4W	
Rotation	Pan travel: 355°	Pan travel: 350°; Tilt travel: 30°~ 60°	
Rotation control	Monitor and rotate for 24 hours	Pan: continuous; Tilt: intermittent	
Operating humidity	Relative humidity 35% ~ 95%		
Operating environment	Indoors		Outdoors
Operating temperature	- 5°C ~ +65°C	20°C ~ 65°C	20°C ~ 65°C
Maximum load	Pan: 20 Kgs	Tilt: 15 Kgs	Pan:30 Kgs ; Tilt: 20 Kgs
Dimensions (mm) / weight	125 (W) × 119 (Ø) / 1.13kgs	173 (W) × 126 (L) × 201 (H) / 2.65 kgs	200 (W) × 150 (L) × 220 (H) / 3.2 kgs
Scanner case (mm)	125 (L) × 125 (W) × 130 (H)	230 (L) × 185 (W) × 110 (H)	260 (L) × 185 (W) × 180 (H)
Packaging	12 pcs / package	8 pcs / package	4 pcs / package
N.W / G.W of package	12.5 kgs / 14.7 kgs	21.2 kgs / 23.7 kgs	10.8 kgs / 11.5 kgs
Dimensions of packaging (cm)	40 (L) × 29 (W) × 30 (H)	50 (L) × 38 (W) × 26(H)	40 (L) × 29 (W) × 40 (H)
Certification	CE, RoHS		CE, RoHS, IP67
Country of manufacture	Taiwan		
Warranty	2 years		

Feature

■ HT-71MC

Uses #6007 with low voltage, low temperature rise, low noise, and low wear to extend the lifespan. The operation is steady and smooth in a circular fashion, and it is equipped with the most advanced "semi-permanent magnetic induction control".

■ HT-81MC

Uses CHANG AN synchronous motor model #4208 which has three times the torque and current of #6007. #4208 has torque of 75-kgf-cm with 1RPM, and may be completely controlled at the 45° angle without sagging. Images are steady and noiseless.

■ HT-91MC

Passed IP67 certification, uses the most robust PC and P5 engineering plastic and are revolutionary materials not replaceable by metals with the properties of: water proof, flame proof, sunlight proof, insulating, not water permeable, non-cracking, and noiseless. The motor uses CHANG AN motor model #4208 which has three times the torque and current of #6007. #4208 has torque of 90-kgf-cm with 1RPM, and may be completely controlled at the 45° angle without sagging. Images are steady and noiseless.

Patents granted worldwide for the structure and durable design

CHANG AN scanners are designed with patented structures and durability designs from the motors to transmission structures. The main body comprises two sets of needle roller bearings, ball bearings, and counterweight sleeves control structure, and up to 90% of wear may be reduced and lifespan may be extended. The main body structure is integrally formed by plastic injection embedded with copper and tapping, and prevents dislocation, wear, and deformation.



CHANG AN CCTV Pan/Tilt Scanner quality guarantees

Certifications: CE, RoHS, TW patent 128055 for durable transmission structure .

Taiwan Chang An Electric Co., Ltd provides Synchronous Motors and CCTV Scanners. Founded since 1974, Chang An has been manufacturing high-quality motors for 40 years with abundant experience in design, innovation, and production. Scanners have two-year warranty, limited to indirect transmission usage under normal industrial environment.



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