

TECHNICAL DATA SHEET

RAPTOR

True Day/Night Vandal Resistant Ruggedised PTZ Cameras



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KEY FEATURES

- 1/4" Sony Super HAD CCD
- Vandal Resistant Aluminium Housing
- 37x Optical Zoom Lens (3.5-129.5mm)
- 12x Digital Zoom
- 550 TVL Colour / 680 TVL Mono
- O.S.D. (On Screen Display)
- Mechanical IR Cut-Filter
- 128x WDR (Wide Dynamic Range)
- Super Digital Noise Reduction (SDNR)
- Highlight Compensation (HLC)
- 256x Sens-Up
- Dual Tilt Mechanism (Allows a Non-Obstructive Downward View)
- 360° Pan, 295° Effective Tilt at 200°/ second
- Digital Image Stabiliser
- Integrated Blower/Heater
- Water Repellent Glass
- Wiper (Anti-Abrasion Soft Silicon Rubber)
- Auto Digital Flip
- Alarm In/Out
- Motion Detection
- 8 Zone Privacy Masking
- AC 24V
- IP68

ORDERING INFORMATION

RAPTOR-37	True Day/Night 37x Ruggedised PTZ Camera, Black, AC 24V
RAPTOR-37/W	True Day/Night 37x Ruggedised PTZ Camera, White, AC 24V
RAPWB	Wall Mount Bracket for Raptor, Black
RAPWB/W	Wall Mount Bracket for Raptor, White
RAPCOMB	Corner Mount Bracket for Raptor, Black
RAPCOMB/W	Corner Mount Bracket for Raptor, White
RAP37-PSU	AC 24V 5A Boxed Power Supply, IP66
RAP-EXT7	Extension Cable, 7m
RAP-EXT9	Extension Cable, 9m
RAP-EXT11	Extension Cable, 11m
RAP-RX10X KB-5451/JS	Up the Coax Telemetry Interface Keyboard Controller



(*Manual operation by adjusting bolts)

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ACCESSORIES



RAPWB Wall Mount Bracket for Raptor, Black



RAPWB/W Wall Mount Bracket for Raptor, White



RAPCOMB Corner Mount Bracket for Raptor, Black



RAPCOMB/W Corner Mount Bracket for Raptor, White



RAP-RX10X Up the Coax Telemetry Interface



RAP37-PSU AC 24V 5A Boxed Power Supply, IP66



KB-5451/JS Keyboard Controller

RAP-EXT7 Extension Cable, 7m
RAP-EXT9 Extension Cable, 9m
RAP-EXT11 Extension Cable, 11m

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TECHNICAL SPECIFICATION

Model Number	RAPTOR-37	RAPTOR-37/W
Optical Zoom Ratio	37x (3.5-129.5mm)	
Digital Zoom	Off / 2x, 4x, 8x, 10x, 12x	
Image Sensor	1/4" Sony HAD CCD	
Horizontal Resolution	550 TVL (Colour) / 680 TVL (Mono)	
Scanning System	2:1 Interlaced	
Effective Pixels (H x V)	752 x 582	
Video Format	PAL	
Frequency	Horizontal: 15.625KHz, Vertical: 50Hz	
Lens (F1.6)	3.5-129.5 mm (37x Zoom)	
Angle of View	H : 55.5°(Wide) ~ 1.59°(Tele) V : 42.5°(Wide) ~ 1.19°(Tele)	
Minimum Illumination (50IRE @ F1.6)	Colour : 0.4 Lux, B/W : 0.02 Lux, 0.001 Lux (Sens-up, 256x)	
Video Output / Connector	1.0Vpp, 75 ohm, Composite Video, BNC x 1	
Shutter Speed	Auto / Manual, 1/50 ~ 1/20,000	
S/N Ratio	>50dB (AGC Off)	
Day / Night	Auto / Colour / B/W (IR Cut Filter)	
Focus	Auto / Manual / Semi-Auto	
On Screen Display (OSD)	Menu / PTZ information, etc	
White Balance	AWC / Manual / ATW (1,800°K-10,500°K)	
Gain Control	Low / Middle / High / Off	
SDNR (3D-DNR)	Low / Middle / High / Off	
Sens-Up	On / Off (2x ~ 256x)	
Backlight Compensation	WDR / BLC / HLC / OFF	
Privacy Zones	On/Off – 8 Programmable Privacy Zones	
Presets	255 Programmable	
Pattern	4	
Focus Control	Auto / Manual / One Push	
Pan / Tilt	Pan: 360°, Tilt: 295°; all at 200°/ Second	
Wiper	Motor Driven Lens Cleaner with Anti-Abrasion Soft Silicon Rubber; Auto / Push / Run	
Motion Detection	On / Off (can trigger Alarm Output)	
Digital Image Stabiliser	Yes	
Communication	RS-485	
Protocols	Pelco-D, Pelco-P, Others, Selectable	
Alarm Input / Output	1 Input / 1 Output	
Blower & Heater (Built in)	Blower: On Over 50°C, Blower & Heater On: 5°C ± 3°C, Blower & Heater Off: 18°C ± 3°C	
Power Supply	AC 24V	
Power Consumption	60W (2.5A) Max with Heater/Blower On	
Dimensions (D x H)	200 x 469 mm	
Operating Conditions	Temperature: -10°C ~ 50°C Humidity: Max 80% RH	
IP Rating	IP68	
Weight	13.5kg	

Features and specifications are subject to change for further improvement without any notice