

KC4500MP Series

Standard resolution black and white camera

Ultrak professional CCTV cameras are designed and manufactured by Ultrak to provide security professionals with the best combination of high performance, ease of installation and competitive cost.

The KC4500MP is a 1/3" CCD high-performance black and white camera designed for general video surveillance systems. It forms part of Ultrak's line of professional cameras using Sony CCD technology. This high performance camera produces outstanding black and white images for a broad range of applications. Featuring 380 lines of resolution, a sensitivity of 0.05 lux and an advanced feature set including BLC, AGC and gamma control it allows the CCTV professional to optimise image quality and performance in any application. Installation is simple and quick with its ergonomic C/CS/Back-Focus mechanism and push-button terminal strip for power connection (12-24V version).

Ultrak designs, manufactures and supports a range of innovative products and systems for all security and surveillance applications. Its products are fully integrated covering access control, CCTV, alarm management and public address. We are pleased to offer advice and technical support for every application maximising the effectiveness of Ultrak solutions.

Features:

- High performance 1/3" Sony black and white CCD technology
- 380 (420 apparent) lines of resolution
- 0.05 lux @ F1.2 sensitivity
- C/CS, Back-Focus cam for easy adjustment
- Electronic shutter with auto, 1/50th sec. and flickerless modes
- AI or DD lens compatibility with dip switch select
- Quick connect for AI or DD lens with 4-pin connector
- BLC, Gamma, AGC adjustments
- 12VDC/24V AC auto switching power supply and 230V AC versions
- Limited 3-year warranty



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KC4500MP Series

Technical specifications

POWER SPECIFICATIONS

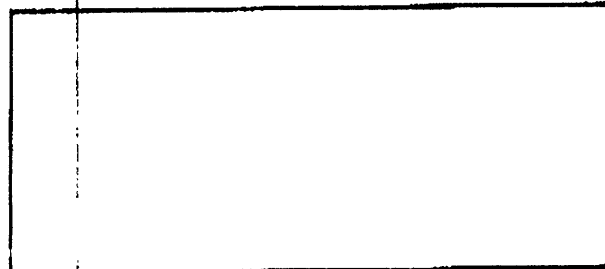
Power Source	KC4500MP	12V DC/24V AC auto switching
	KC4501MP	230V AC, 50 Hz with Euro plug
	KC4502MP	with UK Plug
Power Consumption	KC4500MP	2,5W
	KC4501MP	5,5W
	KC4502MP	5,5W
Power Indicator	Green LED	

SENSOR INFORMATION AND GENERAL

Image Sensor	1/3" interline transfer CCD (Sony chip set)	
Picture Element	500(H) x 582(V)	
Chip Size	6.0(H) x 4.96(V) mm	
Unit Cell Size	9.8(H) x 6.3(V) μ m	
Scanning System	2.1 interlace	
Scanning Frequency	15.625KHz(H), 50Hz(V)	
Sync System	Line lock (with AC PSU)	
Vert Phase Adjust Range	0° to 300°	
Electronic Shutter	1/50 ~ 1/100,000 sec.	
Operating Temperature	-10°C - +50°C	

VIDEO

Signal Format	CCIR 625 lines	
Resolution	380 TV lines (420 apparent)	
Minimum Illumination	0.05 lux (F1.2)	
Video Output	1.0 Vpk-pk, 75 ohm unbalanced	
Video Iris Output	650mV at video out 1.0 Vpk-pk	
S/N Ratio	46dB (AGC Off)	
BLC Size	40% center (BLC On)	
Gamma	On (0.45) Off (1)	
Sync Level	40 IRE	
White Clip	120 IRE	



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Every effort has been made to ensure that all the information in this document was correct at the time of going to press. However we are constantly striving to improve our range wherever possible and therefore reserve the right to change the specification of any product without prior notice.

FUNCTIONS (all functions are under top flap)

Dip Switch	On	Off
Shutter Control (E.I.)	Auto	1/50
Flickerless (F/F)	1/100	1/50
Lens Type (A/I)	DD	AI VIDEO
BLC	40% center	Off
Gamma (GAM)	0.45	1
AGC	On	Off
Pot		
Vert Phase Adjust	Adjustable	
DD Iris Level Adjust	Adjustable	

CONNECTOR AND MECHANICAL

Video Output	BNC connector	
Power Input	3-Pin push-button terminal block or power cord with Euro /UK plug	
AI/DD Output	4-pin standard jack	
Lens Mount	C/CS (selected through Back-Focus)	
Back Focus & C/CS Adjust	Built in Back-Focus cam with thumb wheel adjust (range: -1.5mm to +6.5mm)	
B/F & C/CS Lock	Philips tension screw	
Mounting Hole	1/4" UNC top and bottom	
External Dimensions	62(W) x 54(H) x 140(D) mm	
Weight	KC4500MP	290 g
	KC4501MP	580 g
	KC4502MP	580 g

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