



MTC-EX Range

DATA SHEET

Colour IR Cameras



- 1/3" and 1/4" IT CCD
- Compact and light weight
- Indoor and outdoor use
- Infrared Led
- Automatic Day & Night function
- Over 12 meters effective range
- Automatic IR trigger-on under low illumination
- Automatic IR off under normal illumination
- Water resistant (IP 65/66)
- 12VDC power input

The High resolution MTC-EX39V Colour IR Camera is complete with a 3.0-9.0mm auto iris high speed varifocal lens providing optimum performance in demanding lighting conditions. The MTC-EX4 is a standard resolution IR Camera complete with a 4mm fixed lens.

The lens and infrared leds provide optimum performance in demanding lighting conditions making the Cameras suitable for around the clock surveillance. The camera also has an automatic IR trigger on under low illumination and an automatic IR trigger off under normal lighting and allows effective IR illumination coverage over 12 meters.

The IR cameras are water resistant, with an IP 65 rating (high resolution) and IP 66 rating (standard resolution), making them suitable for outdoor use.

Model available in this range

MTC-EX39V High Resolution Colour IR Camera with 3.0-9.0mm Varifocal lens

MTC-EX4 Standard Resolution Colour IR Camera with 4.0mm Fixed lens

Compact and light weight IR camera for installations requiring around the clock surveillance





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TECHNICAL SPECIFICATION

Model Number	MTC-EX39V	MTC-EX4
Focal Length	3.0-9.0mm	4.0mm
Image Sensor	1/3" IT CCD	1/4" IT CCD
TV System	Colour/Mono	PAL (<i>NTSC is also available</i>) *
Resolution (Horizontal)	480 TVL (Col) / 500 TVL (B&W)	350 TVL
Scanning System	2:1 interlace	
Scanning Frequency (H/V)	15.625KHz / 50Hz (PAL)	
Min. Illuminance	0.6 Lux / F1.0 (Col) 0.3 Lux/F1.0 (B&W) 0 Lux (12 meter IR ON)	1.0 Lux / F2.0 0 Lux (12 meter IR ON)
Field of View	D: 88.2.0° ~ 28.2° H: 69.0° ~ 22.6° V: 50.8° ~ 17.0°	-
Effective Elements	768(H) x 494(V)	510(H) x 492(V)
Video Outputs	1.0 V (p/p) / 75	
S/N ratio (AGC: off)	> 48 dB (AGC off)	
Sync. System	INT. / L.L.	
Electronic Shutter	-	1/50) to 1/100,000 sec.
Gamma Characteristic	0.45	
White Balance	ATW	
AGC	Yes	
ATW Range	2500K - 9700K	
Video Output	1.0 Vp-p composite, 75 ohm	
Power Supply	12 V DC	
Power Consumption	5W Max with IR Led	4.5W Max with IR Led
Water Resistance	IP 65	IP 66
IR LED	18 units Infrared LED	12 units Infrared LED
IR Spectrum	850nm	
Effective Range	Over 12 Meters	
Operation Temperature	-10°C ~ +50°C	
Storage Temperature	-20°C ~ +60°C	
External Dimensions	120 (D) x 70 (H) mm	
Weight (approximate)	670g	

