

SPT-M314 CCD Black & White Video Camera

VIDEOTREC



Introduction

In the field of CCTV, 1/3-inch CCD cameras are acclaimed for their compactness and affordability. Now, VIDEOTREC adds the new SPT-M314, an EIA standard, black and white high resolution video camera to its 1/3-inch CCD camera range. Using VIDEOTREC's Hyper HADTM CCD technology, the SPT-M314 attains 570TV lines of horizontal resolution.

Additionally, the SPT-M314 is equipped with various functions conveniently designed for surveillance applications, for example, BLC (Back Light Control) volume control, CCD IRISTM function, AC Line Lock with V-phase adjustability. Featuring excellent performance, ease of use and an impressive cost performance ratio, the SPT-M314 is suitable for demanding surveillance and monitoring applications.



Technical Specification

Image device	1/3-inch Interline Transfer Hyper HAD CCD
Picture elements	768 (H) x 494 (V)
Sensing area	3.3mm x 4.4 mm
Video signal system	EIA standard
Sync system	AC line lock
Horizontal resolution	570 TV lines
Lens mount	C/CS mount (back-focus adjustable)
Minimum illumination	0.2 lx at F1.2 (30 IRE, AGC ON) · 0.5 lx at F1.2 (50 IRE, AGC ON)
Signal-to-noise ratio	More than 45dB (AGC OFF)
Automatic gain control	Always AGC ON
Phase control	V-phase control ($\pm 90^\circ$)
CCD IRIS control	1/60 to 1/50,000, ON/OFF selectable
Backlight compensation	Variable – user adjustable
Video out	1.0Vp-p, 75 Ω , sync negative, BNC type
Power requirements	AC 24V, 60Hz
Power consumption	Approx. 4.5W
Operating temperature	-10°C to 50°C (14°F to 122°F)
Storage temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	20 to 80%
Acceptable lens mass	1kg (2 lb 3 oz) max.
Mass	Approx. 350g (12.3 oz)
Auto iris lens	DC- driven type
Connectors	VIDEO OUT (BNC) · LENS (4-pin) · GND terminal · AC 24V terminals
Supplied accessories	Lens mount cap · Lens connector · Operation instruction manual

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