

KC5520CN/KC7520CN

1/3" CCD, HIGH-PERFORMANCE DSP COLOR CAMERAS



(Lens not included)

KC5520CN / KC7520CN

The KC5520CN and KC7520CN are 1/3" CCD high-performance color cameras designed for video surveillance systems. These are part of Ultrak's line of professional cameras utilizing advanced DSP CCD technology. These high-performance cameras produce outstanding color images for the most diversified color applications.

The KC5520CN with 330 lines of resolution and a sensitivity of 1.25 lux, and the KC7520CN with 470 lines of resolution, a sensitivity of 1.6 lux and an advanced feature set such as BLC, AGC auto/manual white balance, auto/manual shutter speeds and Gamma control, these cameras allow the CCTV professional to ensure the highest quality image and performance for his application. Physical characteristics such as the C/CS/back-focus ring and push-button terminal strip for power make the installation easier.

Ultrak® professional cameras provide what security professionals are looking for: ease of use, exceptional quality, high performance and competitive pricing.

- High-performance 1/3" advanced DSP color CCD technology
- 330 lines of resolution - KC5520CN
- 470 lines of resolution - KC7520CN
- KC5520CN 1.25 lux @ F1.2 sensitivity, KC7520CN 1.6 lux @ F1.2 sensitivity,
- C/CS, back-focus ring for easy adjustment
- Auto electronic shutter & manual electronic shutter
- modes from 1/60 to 1/100,000
- Accepts video or DC lenses with dip switch select
- Quick connect for video or DC lens with 4-pin connector
- BLC, Gamma, AGC adjustments
- 24VAC power operation
- Auto & manual white balance modes
- Limited 3-year warranty



KC5520CN/KC7520CN

TECHNICAL SPECIFICATIONS

POWER

Power Source	24VAC, 60 Hz
Power Consumption	3.6W max
Power Indicator	Green LED

SENSOR INFORMATION AND GENERAL

Processing Technology	Sony DSP
Image Sensor	1/3" interline transfer CCD (Sony chip set)
Picture Element	KC5520CN-512H x 492V
Picture Element	KC7520CN-768H x 494V
Chip Size	6.0H x 4.96V mm
Unit Cell Size	KC5520CN-9.6H x 7.5V mm
Unit Cell Size	KC7520CN-6.35H x 7.4V mm
Scanning System	2:1 interlace
Scanning Frequency	15.75KHz(H), 60Hz(V)
Sync System	Line lock-24VAC
Vert Phase Adjust Range	0° to 360°
Electronic Shutter	1/60 ~ 1/100,000 sec.
Operating Temperature	14°F to 122°F (-10°C to +50°C)
Operating Humidity	<96% non-condensing

VIDEO

Signal Format	NTSC 525 lines
Resolution KC5500CN	330 TV lines
Resolution KC7500CN	470 TV lines
Minimum Illumination	KC5520CN 1.25 Lux (F1.2) w/AGC on
Minimum Illumination	KC7520CN 1.6 Lux (F1.2) w/AGC on
Video Output	1.0 Vp-p, 75 Ohms unbalanced
Video Iris Output	650mV at video out 1.0 Vp-p
S/N Ratio	48 dB (AGC Off)
BLC Size	40% center (BLC On)
Sync Level	39 ~ 41 IRE

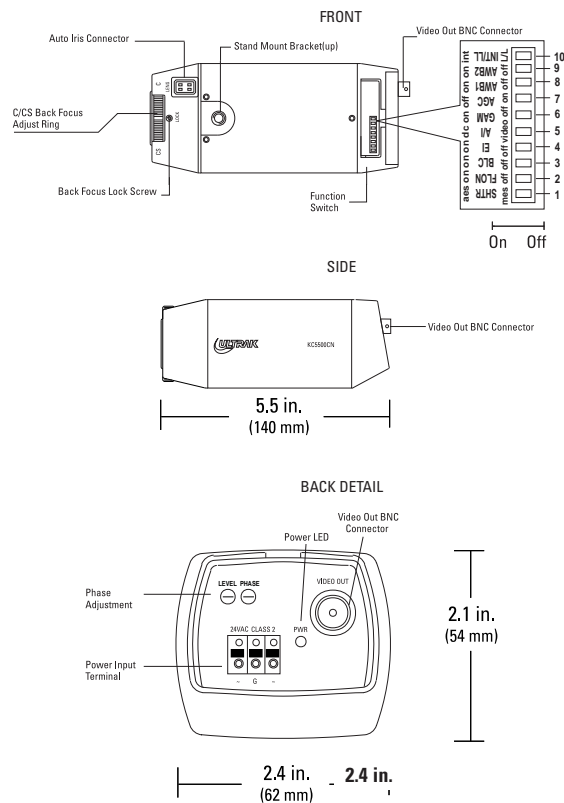
FUNCTIONS

Auto Iris Control (E.I.)	Auto(On), Man (Off) (dip switch)
Auto-iris	Video/DC (dip switch)
BLC	25% center (On/Off dip switch)
Gamma	On(0.45)/Off(1) (dip switch)
AGC	On/Off (dip switch)
Vert Phase Adjust	Adjustable (Potentiometer)
DC Iris Level Adjust	Adjustable (Potentiometer)
White Balance	Auto (2800°K ~ 8500°K), 3200°K, 4200°K, 6300°K (2 dip switches)

CONNECTOR AND MECHANICAL

Video Output	KC5520CN-BNC connector
Video Output	KC7520CN-BNC connector
Power Input	3-pin push-button terminal block
AI/DC Output	4-pin standard jack
Lens Mount	C/CS (selected through back focus)

Back Focus & C/CS Adjust	Built-in back-focus ring with thumb wheel adjustment (Range: -1.5mm to +6.5mm)
B/F & C/CS Lock	Phillips tension screw
Mounting Hole	1/4"-20 UNC top and bottom
External Dimensions	2.4W x 2.1H x 5.5D in (62W x 54H x 140D mm)
Weight	14.9 oz (423g)



Design and specifications subject to change without notice.

Conversion: 1" = 25.4mm
Measurement conversions are approximate

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