KQ7300CN

REAL-TIME 60FPS COLOR QUAD PROCESSOR

The KQ7300CN is a high-performance, real-time, 60-field-per-second color quad processor designed for small video surveillance systems. It is part of Ultrak's line of professional digital video processing products. This professional quad processor provides outstanding color reproduction for the most viewing-intensive applications.

The KQ7300CN stand-alone unit offers advanced features such as zoom on playback, quadrant assign, alarm quad or full, PIP, RS-232 or RS-485 and password-protected keypad to name a few.

This quad's advanced feature set as well as its user-friendly, on-screen-programmable menu makes it the most functionally flexible, small system video processor on the market.

- **Real-time 60 fields/second**
- **Alarm/video loss counter**
- **PIP (picture-in-picture) display**
- **Selectable display on alarm — quad or full screen**
- **Programmable camera skip in sequential mode**
- **Two-way VCR input and output (BNC or Y/C)**
- **Quadrant assign function**
- **Auto-terminating camera input**
- **Digital zoom from a quad to full screen on VCR playback**
- **Remote control (RS-485, RS-232)**

- **Screen freeze capability (quad screen, VCR playback, VCR zoom mode)**
- **User-friendly on-screen programmable menu**
- **Multi-language menus: English, German, French, Italian, Spanish**
- **Four alarm inputs, N.C. or N.O.**
- **Password-protected menus**
- **Rack-mount kit included**
- **Limited 3-year warranty**

ULTRAK®

KQ7300CN

TECHNICAL SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Signal Format	NTSC : 525 lines, 2:1 Interlace
Video Inputs	1.0 Vp-p 75 Ohms, BNC x4 auto-terminating
Video Outputs	Passive loop through
VCR Output	1.0 Vp-p, 75 Ohms NTSC, BNC x 1 and 1.0Vp-p, S-Luma (Y), 75 Ohms, S-Video, 4-pin mini-din and 0.286Vp-p S-Chroma (C), S-Video, 4-pin mini-din x 1, USD
VCR Input	1.0 Vp-p, 75 Ohms NTSC, BNC or 1.0Vp-p, S-Luma (Y), 75 Ohms, S-Video, 4-pin mini-din x1 and 0.286Vp-p S-Chroma (C), S-Video, 4-pin mini-din, USD
MAIN Output	1.0 Vp-p, 75 Ohms unbalanced, BNC, (on-screen display)
Quad Output	1.0 Vp-p, 75 Ohms unbalanced, BNC, (on-screen display)
Pixel Resolution	720 x 480 pixels (NTSC)
Shades of Gray	256
Colors	16.7 million
Display Rate	Real-time refresh rate (60 fields per second per quadrant)
Video Dwell	OFF, 01 to 99 seconds programmable
Alarm Inputs	Normally open or normally closed (programmable), terminal strip
Alarm Outputs	Form C dry contact, terminal strip (x2)
Video Loss Alarm	OSD Display ("L"), buzzer
Freeze Annunciation	OSD Display ("F")
Annunciation	Alarm buzzer (On/Off)
Camera Titles	8 characters per camera
Camera Alarm Input	4 inputs with individual polarity selection. Activated by contact closure or TTL/CMOS signal.
Alarm Output	2 NO and NC contacts with shared common. 1.0A at 24V dc (resistive only)
Alarm Hold Time	20 seconds default. 00 to 99 seconds programmable
Alarm Buzzer	On/Off programmable
Relay	On/Off programmable
Power Requirement	12VDC / 1.5A

MECHANICAL SPECIFICATIONS

Dimensions	17.5W X 1.73H X 13.1D in (444.5W X 44H X 334D mm)
Weight	7.8 lbs (3.5kg)

ENVIRONMENTAL SPECIFICATIONS

Ambient Temp.	32°F to 95°F (0°C to 35°C)
Ambient Humidity	10% to 90% (non-condensing)

RECOMMENDED CAMERAS

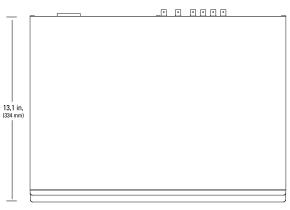|	
KC5500CN	1/3" CCD, 330 TVL, 0.8 lux @ F1.2, DSP color camera with BLC, 12V dc/24V ac switchable power and C/CS/back-focus ring
KC7500CN	1/3" CCD, 470 TVL, 0.9 lux @ F1.2, DSP color camera with BLC, 12V dc/24V ac switchable power and C/CS/back-focus ring

RECOMMENDED VIDEO RECORDERS

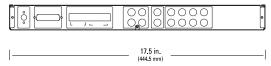|	
VRE6008N	8-hour event recorder
KR7496U	24-hour virtual real-time/96-hour high-density recorder with time/date search
KR7168U	24-hour virtual real-time/168-hour high-density recorder with time/date search

TOP

13.1 in.
(334 mm)

FRONT

KQ7300CN COLOR QUAD PROCESSOR

1.73 in.
(44 mm)

BACK

17.5 in.
(444.5 mm)

Design and specifications subject to change without notice.

Conversion: 1" = 25.4mm
Measurement conversions are approximate

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