

# KM1400CN

14" HIGH-PERFORMANCE COLOR MONITOR WITH OSD



The KM1400CN is a 14" high-performance color monitor designed with advanced color processing (ACP) technology for enhanced color purity and color transition. It is part of Ultrak's line of professional monitors with on-screen display (OSD). This professional monitor provides outstanding color reproduction for the most viewing-intensive surveillance applications.

With 400 lines of resolution, this monitor allows the user to adjust the picture's characteristics such as sharpness, contrast, brightness, color and tint through the user-friendly OSD interface to maximize picture quality. The unit's over/underscan feature allows maximum utility with multiplexing systems.

This monitor by Ultrak provides multiple video and audio channels, automatic multi-standard adaptation and unsurpassed picture quality.

- **Advanced color processing technology**
- **High performance – 400 TVL horizontal with comb filter**
- **On-screen display (OSD) controls in five languages**
- **2-channel video input – A/B (composite) or B-channel Y/C with independent settings**
- **2-channel audio input**
- **Universal power (100 to 240V ac) with detachable power cord**
- **Automatic NTSC/PAL scan system selectable**
- **Over/underscan switchable on front**
- **Auto termination BNC connector**
- **Sharpness control through OSD**
- **19" standard rack mount available**
- **Limited 2-year warranty, 90-day limited warranty on CRT**



# KM1400CN

## TECHNICAL SPECIFICATIONS

### ELECTRICAL SPECIFICATIONS

Horizontal Resolution	400 TV lines (average)
Scan System	NTSC/PAL automatic selectable
Scanning Frequency	
Horizontal	15.75 KHz for NTSC/15.625 KHz for PAL
Vertical	60 Hz for NTSC/50 Hz for PAL
Video In/Out	
Video A/B	NTSC/PAL composite video: 1.0 Vp-p; 75Ω/Hi-Z auto terminating
Y/C	S-VHS: Y signal = 1Vp-p, C signal = 0.285Vp-p; 75 Ω/Hi-Z auto terminating
Audio I/O	300 mVrms/2W
Active Display Area	7% overscan, 3% underscan switchable
Linearity	
Horizontal	10% max
Vertical	10% max
Power Source	100 to 240V ac, 60/50 Hz (universal power)
Power Cord	Detachable IEC
Power Consumption	70W

### MECHANICAL SPECIFICATIONS

Picture Tube	
CRT Tube	14" flat square tube
Deflection	90° angle
Rear Connectors	
Video A/B In/Out	BNC connector x 4, auto termination
Y/C In/Out	Mini-din 4-pin connector x 2, auto termination
Audio In/Out	RCA phone connector x 4
Power Cord	Detachable, IEC
Front Controls	
Front Menu Button	Volume, contrast, brightness, sharpness, color, tint, ver. position, hor. position, language selection (English, French, Spanish, German, Italian)
Menu Selector	Bar adjust control
Video Selector	Push-button switch for A/B
Under/Over Scan	Push-button On/Off switch (LED green)
Power	Push-button On/Off switch (LED green)
Speaker	Yes (front lower left)
Dimensions	13.8W x 13.0H x 14.8D in (350W x 330H x 375D mm)
Weight	30.8 lbs. (14.0 Kg)

### ENVIRONMENTAL SPECIFICATIONS

Ambient Temperature	32°F to 104°F (0°C to + 40°C)
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All specifications and designs subject to change without notice.

### RECOMMENDED CAMERAS

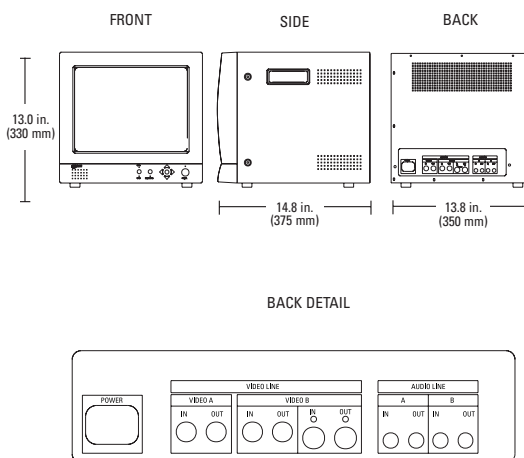
<b>KC5500CN</b>	1/3" CCD, 330 TVL, 0.8 lux @ F1.2, DSP color camera with BLC, 12V dc/24V ac switchable power and C/CS/back-focus ring
<b>KC7500CN</b>	1/3" CCD, 470 TVL, 0.9 lux @ F1.2, DSP color camera with BLC, 12V dc/24V ac switchable power and C/CS/back-focus ring

### RECOMMENDED VIDEO RECORDERS

<b>VRE6008N</b>	8-hour event recorder
<b>KR7424U</b>	24-hour time-lapse recorder
<b>KR7496U</b>	24-hour virtual real-time/96-hour high-density recorder with time/date search
<b>KR7168U</b>	24-hour virtual real-time/168-hour high-density recorder with time/date search

### OPTIONS

<b>MA1400GR</b>	19" rack mount for KM1400CN 14" color monitor (8U)
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Conversion: 1" = 25.4mm  
Measurement conversions are approximate

#### Ultrak Worldwide Support Center:

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