

# KM1900CN

**19" HIGH-RESOLUTION COLOR MONITOR WITH OSD**



The KM1900CN is a 19" high-resolution 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 or for use in high resolution sectors such as industrial and medical markets. In addition, this monitor provides two selectable aspect ratio viewing options, 4:3 and 16:9.

With 625 lines of resolution, this monitor allows a CCTV system to maximize picture quality by using high-resolution cameras without any loss to the monitor. The unit's over/underscan feature allows maximum utility with multiplexing systems.

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

- **Advanced color processing technology**
- **High resolution – 625 TVL horizontal with comb filter**
- **On-screen display (OSD) controls in five languages**
- **4-channel video input - A (composite), B- (composite), Y/C and RGB/Sync**
- **Auto termination on all video inputs**
- **4-channel audio input**
- **Universal power (100 to 240V ac) with detachable power cord**
- **Automatic NTSC/PAL scan system select**
- **Over/underscan switchable on front**
- **Degaussing button on front**
- **PIP button on front (1/9, 1/16) option**
- **Sharpness control through OSD**
- **19" standard rack mount available**
- **Limited 2-year warranty, 90-day limited warranty on CRT**



# KM1900CN

## TECHNICAL SPECIFICATIONS

### ELECTRICAL SPECIFICATIONS

Horizontal Resolution	625 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; 75Ω/Hi-Z auto terminating
RGB	R: 0.7 Vp-p± 2dB, 75Ω/Hi-Z auto terminating G: 0.7 Vp-p± 2dB, 75Ω/Hi-Z auto terminating B: 0.7 Vp-p± 2dB, 75Ω/Hi-Z auto terminating
Ext. Sync.	S: 4.0 Vp-p± 6dB, negative, 75Ω/Hi-Z auto terminating
Audio I/O	300 mVrms/1.5W
Active Display Area	7% overscan, 3% underscan switchable
Linearity	
Horizontal	5% max
Vertical	5% max
Power Source	100 to 240V ac, 60/50 Hz (universal power)
Power Cord	Detachable, IEC
Power Consumption	110W

### MECHANICAL SPECIFICATIONS

Picture Tube	
CRT Tube	19" 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
RGB/Sync. In/Out	BNC connector x 8, auto termination
Audio In/Out	RCA phone connector x 8
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, Y/C, RGB (LED green)
Under/Over Scan	Push-button On/Off switch (LED green)
Degauss	Push-button On/Off switch (LED green)
Blue Check	Push-button On/Off switch (LED green)
Zoom	Push-button On/Off switch (LED green)
PIP	Push-button On/Off switch (LED green)
Power	Push-button switch (LED green)

Speaker	Yes (front lower left)
Dimensions	17.6W x 16.5H x 17.7D in (448W x 420H x 450D mm)
Weight	57.3 lbs (26.0 Kg)

### ENVIRONMENTAL SPECIFICATIONS

Ambient Temperature	32°F to 104°F (0°C to + 40°C)
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### RECOMMENDED CAMERAS

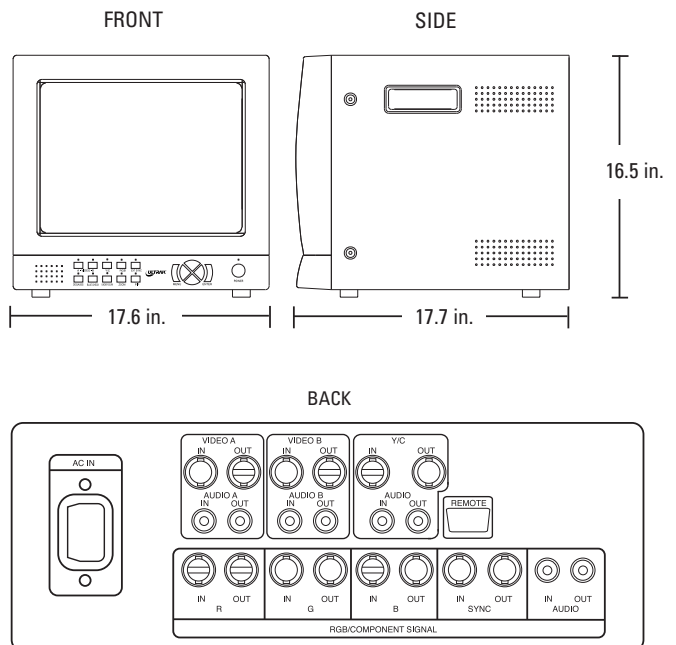
KC5500CN	1/3" CCD, 330 TVL, 0.8 lux @ F1.2, DSP color camera with BLC, 12V dc/24V ac switchable power and C/CS/back-focus ring
KC7500CN	1/3" CCD, 470 TVL, 0.9 lux @ F1.2, DSP color camera with BLC, 12V dc/24V ac switchable power and C/CS/back-focus ring

### RECOMMENDED VIDEO RECORDERS

VRE6008N	8-hour event recorder
KR7424U	24-hour time-lapse 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

### OPTIONS

MA1900GR	19" optional rack mount for KM1900CN 19" color monitor (10U)
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Design and specifications subject to change without notice.

Conversion: 1" = 25.4mm  
Measurement conversions are approximate

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