KM1401CN, KM1501CN, KM2101CN

HIGH-PERFORMANCE COLOR MONITORS WITH OSD

KM1401CN

KM1501CN

KM2101CN

The Ultrak® line of high-performance color monitors is designed with advanced color processing (ACP) technology for enhanced color purity and color transition. They are a part of Ultrak's line of professional monitors with on-screen display (OSD). These professional monitors provide outstanding color reproduction for security and surveillance applications where video quality cannot be compromised.

These monitors offer from 400 to 650 lines of resolution and allow the user to adjust the picture's characteristics such as sharpness, contrast, brightness, color and tint through a user-friendly OSD interface to maximize picture quality. The over/underscan feature on the monitors also allows maximum utility with multiplexing systems.

These monitors provide multiple video and audio channels, automatic multi-standard adaption and unsurpassed picture quality in a user friendly and ergonomic design.

- Advanced color processing technology

- High performance with comb filter (OSD selectable)

- On-screen display (OSD) controls in five languages

- Multi-channel video inputs - A/B (composite), Y/C with independent settings

- Two-channels of looping audio inputs

- Universal power (100 to 240VAC) with detachable power cord

- NTSC/PAL scan system (OSD selectable)

- Over/underscan switchable on front

- Sharpness control through OSD

- 19" standard rack mount available for 14" & 15" versions

- Limited 2-year warranty, 90-day limited warranty on CRT

ULTRAK®

KM1401CN, KM1501CN, KM2101CN

TECHNICAL SPECIFICATIONS

ELECTRICAL

Horizontal Resolution	KM1401CN 400 TV lines (average) KM1501CN 650 TV lines (average) KM2101CN 450 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 240VAC, 60/50 Hz (universal power)
Power Cord	Detachable IEC
Power Consumption	KM1401CN 70W KM1501CN 75W KM2101CN 80W

MECHANICAL SPECIFICATIONS

Picture Tube	
KM1401CN CRT Tube	14" diagonal (13 3/8" viewing area)
KM1501CN CRT Tube	15" diagonal (13 7/8" viewing area)
KM2101CN CRT Tube	21" diagonal (20 3/8" viewing area)
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 (LED green)
Under/Over Scan	Push-button On/Off switch (LED green)
Power	Push-button On/Off switch (LED green)
Speaker	Front lower left
Dimensions KM1401CN	13.8W x 13.0H x 14.8D in (350W x 330H x 375D mm)
Dimensions KM1501CN	14.38W x 15.25H x 13.63D in (365W x 387H x 346D mm)
Dimensions KM2101CN	19.3W x 17.3H x 19.0D in (490W x 440H x 482D mm)
Weight	KM1401CN - 30.8 lbs. (14.0 Kg)
	KM1501CN - 32.1 lbs. (14.59 Kg)
	KM2101CN - 51.7 lbs. (23.5 Kg)

Conversion: 1" = 25.4 mm
Measurement conversions are approximate

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ENVIRONMENTAL SPECIFICATIONS

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

RECOMMENDED CAMERAS

KC5520CN	1/3" CCD, 330TVL, 1.25 lux @ F1.2, DSP color camera with BLC, 24VAC switchable power and C/CS/back-focus ring
KC7520CN	1/3" CCD, 470TVL, 1.6 lux @ F1.2, DSP color camera with BLC, 24VAC switchable power and C/CS/back-focus ring

RECOMMENDED VIDEO RECORDERS

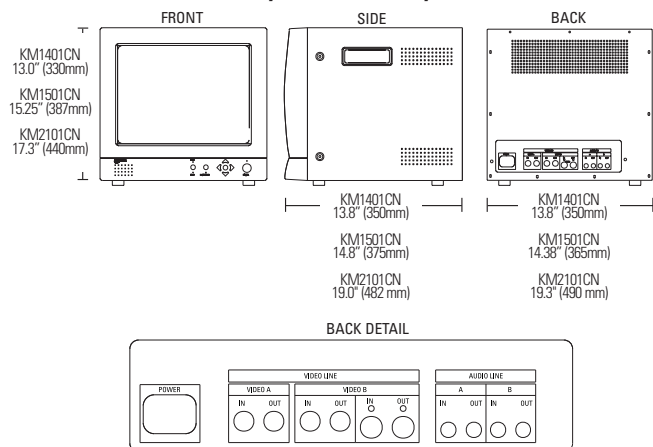|	
KR4008EN	8-hour event recorder
KSR1280TN	1280-hour time-lapse recorder
KR4096HN	24-hour virtual real-time/96-hour high-density recorder with time/date search

OPTIONS

MA1401GR	19" rack mount for KM1401CN 14" color monitor (8U)
MA1501GR	19" rack mount for KM1501CN 15" color monitor (9U)
MA1417GR	Monitor mount for all Ultrak® 14-17" monitors
MA21MMGR	Monitor mount for KM2101CN monitor
MAWB180G	Wall bracket for MA1417GR and MA21MMGR mounts

Design and specifications subject to change without notice

RECOMMENDED PART 2 SPECIFICATIONS

The monitor shall be a multi-standard NTSC/PAL model KM1401CN (14-inch), KM1501CN (15-inch) or KM2101CN (21-inch), or approved equal. The monitor shall have horizontal resolution of greater than 400 (14-inch), 650 (15-inch), or 450 (21-inch) horizontal TVL measured at center and two looping, auto terminated BNC input/output connectors and one looping Y/C input/output connector. The monitor shall have front panel push-button controls with on-screen display (OSD) for user options and two channels of looping, RCA audio inputs. The monitor shall have over/underscan control on the front panel and be capable of rack mounting in a standard 19" EIA rack (14-inch and 15-inch).

KM1401CN, KM1501CN, KM2101CN

FRONT   SIDE   BACK

KM1401CN 13.0" (330mm)
KM1501CN 15.25" (387mm)
KM2101CN 17.3" (440mm)

KM1401CN 13.8" (350mm)
KM1501CN 14.8" (375mm)
KM2101CN 19.0" (482 mm)

KM1401CN 13.8" (350mm)
KM1501CN 14.38" (365mm)
KM2101CN 19.3" (490 mm)

BACK DETAIL

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