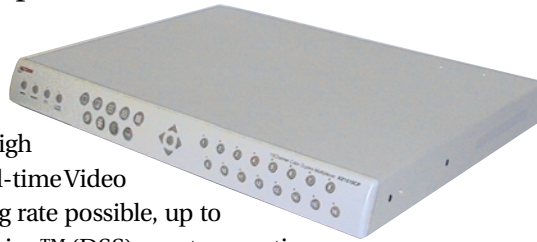


KX0910CP / KX0911CP & KX1610CP / KX1611CP

9" and 16" channel color duplex multiplexers

The KX0910CP/KX0911CP and KX1610CP/KX1611CP are part of Ultrak's line of professional digital processing products. These high performance colour duplex multiplexers use Real-time Video Processing (RVP) to achieve the fastest recording rate possible, up to 50 unique fields per second. Dynamic Scene Sensing™ (DSS) uses true motion detection criteria with both day and night modes. Six primary display modes and 32 secondary display modes allow virtually any overlaid or scaled camera display configuration. A covert camera function and timers with weekly schedules allow the unit to be configured for any application. Additionally, these professional multiplexers provide outstanding colour reproduction with a digital picture adjustment for the most viewing intensive applications. RS-232 and RS-485 communications allow easy system integration. The advanced features of these multiplexers as well as their user-friendly on-screen-programmable menu makes them the most functionally flexible system video processors on the market.



Features:

- Camera switch pulse allows automatic VCR/multiplexer synchronisation
- Full duplex operation allows simultaneous recording and multi-screen viewing
- Real-time Video Processing (RVP) allows up to 50 unique fields per second
- Outstanding picture quality provided by a 720 x 512 resolution
- Primary display formats provide a convenient user interface with four multi-screens (2X2, 3X3, 4X4 & PIP) as well as Full-screen and 2 x zoom
- Secondary multi-screens provide an additional 32 overlaid and scaled configurations
- Dual monitor outputs (Main and Spot) allow multi-camera and full-screen viewing
- On-screen display includes date, time, alarm status, video loss and 9-character camera titles
- Dynamic Scene Sensing™ (DSS) allows motion detection for each camera input with a day and night mode as well as a global relay output
- DSS criteria are sensitivity, trigger size, delay, and location via a 256-section grid
- Non-volatile program memory saves all user settings and protects all user settings against power loss
- Two timers for day of week scheduling of external, DSS, and video loss alarms
- Sequence mode (mode 1 and mode 2) is available in all screen formats
- Alarm features include one contact closure and TTL/CMOS-sensitive alarm input for each camera, alarm hold input and alarm output.
- Alarm input polarity is selectable
- Alarm history log for 256 alarm records
- Remote control by RS-232 or RS-485
- Covert (hidden) camera display function on main, spot and VCR outputs for each camera
- Digital picture adjustment for each camera input and VCR input
- S-VHS VCR input/output and monitor output
- Limited 3-year Warranty

KX0910CP/KX0911CP & KX1610CP/KX1611CP

Technical Specifications

Video format	625 lines 50 fields PAL
Video level	
Camera inputs	1.0V _{pp} , 75 ohm terminated
Camera outputs	1.0V _{pp} , 75 ohm terminated
VCR inputs	1.0V _{pp} , 75 ohm or 1.0V _{pp} , 75 ohm(Y), 0.286 V _{pp} , 75 ohm(C) terminated
VCR outputs	terminated 1.0V _{p-p} , 75 ohm or 1.0V _{pp} , 75 ohm(Y), 0.286 V _{pp} , 75 ohm(C) terminated
Alarm	
Alarm input	16 inputs with individual polarity selection activated by contact closure or TTL/CMOS signal
Alarm output	One NO and NC contact with shared common; 1.0 A and 24 V DC (resistive only)
Alarm hold time	20 seconds default, menu selectable 0 to 99 seconds
Alarm buzzer	On/Off selectable
Display	
Grey shades	256 (8 bits)
Colour	16 million
Full-screen format	720 x 512 resolution
2 x 2 format	360 x 256 resolution
3 x 3 format	240 x 170 resolution
4 x 4 format*	180 x 128 resolution
PIP insert	240 x 170 resolution
Zoom display	Interpolated: 720 x 512 resolution
Controls	
MENU	Select the set-up menu
SELECT	Selects second function (MENU, VCR Preview) or camera selection in the multi-screen. Resets the alarm action.
VCR	Select input source (camera or VCR)
LIVE RECORD	Selects a live camera for recording
FULL	Selects full-screen display
PIP	Selects picture-in-picture display
2 x 2	Selects 2 x 2 picture display
3 x 3	Selects 3 x 3 picture display
4 x 4*	Selects 4 x 4 picture display
SEQUENCE	Selects sequential camera display in full-screen or lower right window
FREEZE	Freezes the current screen display
ZOOM	Selects the 2 x zoom screen display
2nd	Selects the secondary display screen
SET	Selects Recall or SET function or SPOT monitor selection
ARROW	Used in set-up menu as DOWN, UP, RIGHT and LEFT arrow buttons
Camera 1-9 or 16	Selects full-screen display. Selects activity matrix cell enable/disable

Power requirements	12 V DC/1.5 A
Ambient temperature	From 0°C to +35°C
Ambient humidity	10% - 90% (non-condensing)
Connections	
Power	2.1 mm pin-type female
RS-232	DB-9S female
RS-485	RJ-45 modular jack, input/output
Alarm	DB-25S female; alarm input control via contact closure or TTL/CMOS signal
Spot out	BNC video signal output to call monitor
Main out	BNC or Y/C video signal output to main monitor
VCR in	BNC or Y/C video signal input from VCR
VCR out	BNC or Y/C video signal output to VCR
Camera in	9 (KX0910CP/KX0911CP) or 16 (KX1610/KX1611CP) BNC composite video input from cameras
Camera out	9 (KX0910CP/KX0911CP) or 16 (KX1610/KX1611CP) BNC auto-terminating, composite video output from camera (passive loop through)

PHYSICAL CHARACTERISTICS

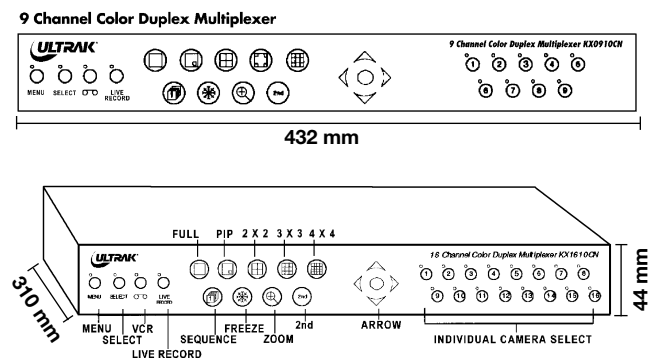
Dimensions	432(W) mm x 44(H) mm x 310(D) mm
Weight	2.8 kg

OPTIONS

KX0910CP	9 channel duplex colour multiplexer with Euro plug
KX0911CP	9 channel duplex colour multiplexer with UK plug
KX1610CP	16 channel duplex colour multiplexer with Euro plug
KX1611CP	16 channel duplex colour multiplexer with UK plug

* Applies to KX1610CP/KX1611CP only

DIMENSIONS



Your local contact is: