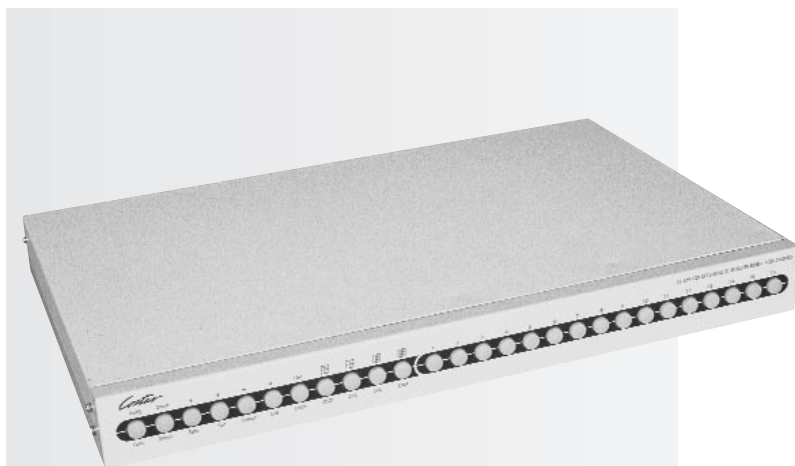




# STARPLEX MODEL CXC1600D

## 16 CHANNEL COLOR DUPLEX MULTIPLEXERS



Expanding on the already popular line of Costar Color Duplex Multiplexers, the CXC1600D provides 720 x 512 pixel display with 256 gray levels and 16 million colors on 16-channels. Designed with state-of-the-art digital video processing technology, these units features intelligent embedded software but provides simple, friendly user interface features.

## FEATURES

- Camera switch pulse allows automatic VCR/multiplexer synchronization
- Full duplex operation allows simultaneous recording and multi-screen viewing
- Real-time Video Processing (RVP) allows up to 60 unique fields per second
- Primary display formats provide a convenient user interface with four multi-screens (2X2, 3X3, 4X4, & PIP) as well as Full screen and 2X Zoom
- Secondary multi-screens provide an additional 32 overlaid and scaled configurations
- On-screen display includes date, time, alarm status, video loss and 12-character camera titles
- Nonvolatile program memory saves all user settings and protects all user settings against power loss
- 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.
- Activity detection

*Our people make a difference.*

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# MODEL CXC1600D

## CXC1600D COLOR DUPLEX MULTIPLEXERS

Video Format	NTSC
Video Level:	
Camera Inputs	1.0 Vp-p, 75 Ohms
Camera Outputs	1.0 Vp-p, 75 Ohms
VCR Inputs	1.0 Vp-p, 75 Ohms or 1.0 Vp-p, 75 Ohms(Y), 0.286 Vp-p, 75 Ohms (C), BNC & 5-VHS
VCR Outputs	1.0 Vp-p, 75 Ohms or 1.0 Vp-p, 75 Ohms(Y), 0.286 Vp-p, 75 Ohms (C), BNC & 5-VHS
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; 1.0A and 24V DC (resistive only)
Alarm Hold Time	20 seconds default, menu selectable 0 to 99 seconds
Alarm Buzzer	On/Off selectable
Display:	
Gray Shades	256 (8 bits)
Color	16 million
Full-Screen Format	720 x 480 resolution
2 x 2 Format	360 x 240 resolution
3 x 3 Format	240 x 160 resolution
4 x 4 Format	180 x 120 resolution (16 channel only)
PIP Insert	240 x 160 resolution
Zoom Display	Interpolated 720 x 480 resolution
Controls:	
MENU	Select the setup 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 (16-channel only)
SEQUENCE	Selects sequential camera display in full-screen or lower right window
FREEZE	Freezes the current screen display
ZOOM	Selects the 2x Zoom screen display
2nd	Selects the secondary display screen
SET	Selects Recall or SET function or SPOT monitor selection
ARROW	Used in setup 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	12V DC/1.5A
Dimensions	17W x 1.73H x 12.2D in (432W x 44H x 310D mm)
Weight	6.16 lb (2.8 kg)
Ambient Temperature	32° - 95°F (0° - 35°C)
Ambient Humidity	10% - 90% (from non-condensing)
Connections:	
Power	2.1mm 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	16-BNC composite video input from cameras
Camera Out	16-BNC with switch for changing input impedance automatically, composite video output from camera (passive loop through)

### RECOMMENDED CAMERAS

CCC3300N	1/3" CCD, 330 TVL, 0.8 lux, DSP color camera with BLC, 12/24V switchable power, and C/CS/backfocus cam
CCC3500N	1/3" CCD, 470 TVL, 0.9 lux, DSP color camera with BLC, 12/24V switchable power, and C/CS/backfocus cam

### RECOMMENDED MONITORS

CMC1400N	14" High perf. multi-standard color monitor with OSD
CMC2100N	21" High perf. multi-standard color monitor with OSD

### RECOMMENDED VIDEO RECORDERS

CR611	8-hour event recorder
CR3030	30-hour virtual real-time/30-hour high-density recorder with time date search
CR3960	Costar time-lapse recorder, 960-hour time lapse with audio recording up to 30 hours.

Design and specifications subject to change without notice.  
Conversion: 1" = 25.4mm  
Measurement conversions are approximate



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