



Advanced Technology Video, Inc.



TALON

Triplex Multiplexers





ATV's new TALON multiplexer features the same reliability and value that ATV Multiplexers are known for, now with added features and a new lower cost.

The TALON Multiplexer is easily programmable with mouse driven screen controls and integrates ATV's new line of Speed Domes and Controllers. The TALON features 4 call monitors and a 16x16 grid for motion detection on each camera.

ATV's New Multiplexer Features:

- ◆ Motion Detection sensitivity:
Can be adjusted and set for day and night motion detection schedules.
- ◆ 4 Call Monitor Outputs!
3 more than the DPX
- ◆ New rack-friendly size, 1U - Racking brackets included
- ◆ More than 40 new display options
- ◆ New remote functions - on screen menus with optional mouse control!
- ◆ Digital Zoom up to 32 times
more than 6 times greater zoom than the DPX!

Display Modes:



4 x 4 Display



Quad



Dual PIP



3 x 3 Display



Split Quad (7 Cameras)



Squish Screen



Center Insert (13 Cameras)



Full Screen



4 User defined displays with 54 custom configurations



Split Quad (10 Cameras)



Picture in Picture (PIP)





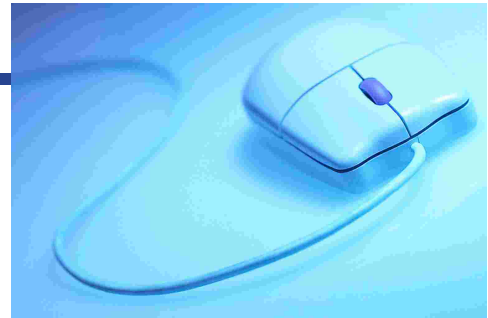
Model Numbers:

	16 Channel	9 Channel	4 Channel
Color	TALON 16	TALON 9	TALON 4
Monochrome	TALON 16M	TALON 9M	TALON 4M



Main Features

- ◆ 4 Call Monitors
- ◆ Easy to program
- ◆ Linear Zoom in and out up to 32 times
- ◆ IR Remote Control with added functions
- ◆ 1-U rack mountable (racking brackets included)
- ◆ Mouse driven screen controls (mouse not included)
- ◆ Fully compatible with ATV's Speed Dome and controllers
- ◆ Up to 4 cameras can be associated with a single contact closure alarm
- ◆ Program memory saves all user settings and protects against power outages
- ◆ Motion detection programmable by a 256 target (16x16) grid for each camera
- ◆ Full Triplex operation allows for simultaneous recording, playback and live viewing
- ◆ 31 Camera Matrix capability: Using 2 Talon Multiplexers and a controller (SDC-32LCD)
- ◆ Multiple Monitor Outputs (1 main, 4 Auxiliary) allows for simultaneous multi-camera and full screen viewing





Specifications

Video

Signal Format:	NTSC/PAL EIA/CCIR (Selectable Switch)
Camera Input:	1 Vp-p, 75 Ohms Full looping
Camera Output:	1 Vp-p, 75 Ohms Full looping
Video Input:	1 Vp-p, 75 Ohms
Video Output:	1 Vp-p, 75 Ohms
-Video Resolution-	
Sampling:	720 x 480
Full (Active):	648 x 448
VCR Out (full):	720 x 480
Spot Out:	analog

Inputs & Outputs

Camera Alarm Input:	1 per camera w/ individual polarity selection
Alarm Input Activation:	Contact closure or TTL/CMOS signal
Alarm Output:	One NO and NC contact shared common 1.0A and 24Vdc
Alarm Hold Time:	0 to 99 seconds selectable 20 seconds default
Alarm Buzzer:	On/Off Selectable

Connectors

Camera Inputs:	16 BNC
Loop Out:	16 BNC (Auto terminating)
Main Monitor Out (CVBS):	1 BNC
Main Monitor OUT (Y/C)	1 4-pin mini DIN
VCR In (CVBS)	1 BNC
VCR In (Y/C)	1 4-pin mini DIN
VCR Out (CVBS)	1 BNC
VCR Out (Y/C)	1 4-pin mini DIN
Alarm Input/Output:	Terminal Block
RS232 (RX/TX)	Terminal Block
RS485 (RX/TX)	2 RJ45
Spot (Aux) Out:	4 BNC
Power	2.1mm pin type; female
P/S2 Mouse Port	1.5-pin mini DIN

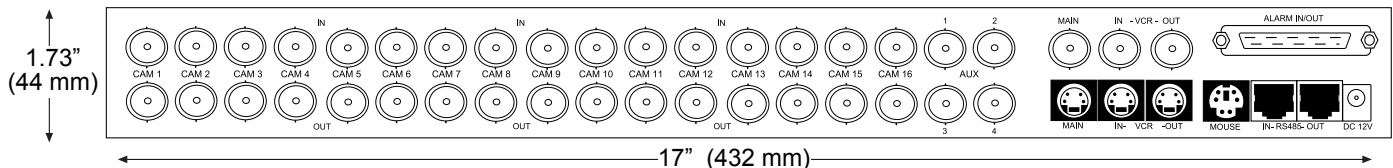
Electrical

Power Adapter:	100/240V AC Universal Adapter
Power Requirement:	12V DC/3.0Amps
Approvals:	FCC (ICES-003), CE

Mechanical

Dimensions:	17"W x 1.73"H x 12.2"D 432W x 44H x 310D (mm)
Weight:	5.3 lbs 2.4 Kg
Racking Size:	1-U (1 Unit high) Racking brackets included

Unit Diagram- (Rear Panel)



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System Diagram

