



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

WV PURCHASING ACA SECT Fax 304-558-4115

May 31 2007 10:18am P001/009

Request for Quotation

RFQ NUMBER
HUT978

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN ABBOTT
304-558-2544

RFQ COPY

TYPE NAME/ADDRESS HERE

ADDRESS

Alarm Pro, LLC
315 SHADY LANE
Saint Albans, WV 25177

SHIP TO

DATE PRINTED 05/17/2007	TERMS OF SALE	SHIP VIA	P.O.B.	FREIGHT TERMS
-----------------------------------	---------------	----------	--------	---------------

BID OPENING DATE: **05/31/2007** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		840-84		
<p>REQUEST FOR QUOTATION</p> <p>THE PURCHASING DIVISION IS SOLICITING BIDS FOR THE HUTTONSVILLE CORRECTIONAL CENTER TO PROVIDE CLOSED CIRCUIT SECURITY SURVEILLANCE EQUIPMENT.</p> <p>ATTACHMENTS: 1. SPECIFICATIONS 2. BID FORM 3. AFFIDAVIT</p> <p>DELIVERY: DELIVERY SHALL BE MADE TO THE HUTTONSVILLE CORRECTIONAL CENTER P.O. BOX 1 HUTTONSVILLE, WV 26273</p> <p>DELIVERY SHALL BE INCLUDED IN THE BID PRICE; AND SHALL BE MADE WITHIN 30 DAYS UPON RECEIPT OF THE PURCHASE ORDER.</p> <p>VIDEO SURVEILLANCE SYSTEMS</p> <p>VENDOR PREFERENCE CERTIFICATE</p> <p>CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).</p>						

RECEIVED
 2007 MAY 31 A 11:35
 PURCHASING DIVISION
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS.

SIGNATURE <i>Cary C. Chaff</i>	TELEPHONE 304 722 5006	DATE 5/31/07
TITLE OWNER	FAX 35-077-2540	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**Request for
 Quotation**

RFQ NUMBER
HUT978

PAGE
2

ADDRESS CORRESPONDENCE TO ATTENTION OF
**JOHN ABBOTT
 304-558-2544**

RFQ COPY

TYPE NAME/ADDRESS HERE

**Aharm Pro, LLC
 315 SHADY LANE
 SAINT ALBANS, WV, 25177**

VENDOR

SHIP TO

DATE PRINTED	TERMS OF SALE	SHIP VIA	POB	FREIGHT TERMS
--------------	---------------	----------	-----	---------------

05/17/2007

BID OPENING DATE:	05/31/2007	BID OPENING TIME	01:30PM
-------------------	-------------------	------------------	----------------

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p><input checked="" type="checkbox"/> BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p><input type="checkbox"/> BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p><input type="checkbox"/> BIDDER IS A CORPORATION NONRESIDENT VENDOR WHICH HAS AN AFFILIATE OR SUBSIDIARY WHICH EMPLOYS A MINIMUM OF ONE HUNDRED STATE RESIDENTS AND WHICH HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA CONTINUOUSLY FOR THE FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p><input type="checkbox"/> BIDDER IS A RESIDENT VENDOR WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES WORKING ON THE PROJECT BEING BID ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Cary C. Chavell</i>	TELEPHONE 304 722 5006	DATE 5/31/07
TITLE OWNER	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
HUT978

PAGE
4

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN ABBOTT 304-558-2544

RFQ COPY
 TYPE NAME/ADDRESS HERE

Alarm Pro, LLC

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
05/17/2007				

BID OPENING DATE: 05/31/2007 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	GAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>CODE 61-5-3), BIDDER HEREBY CERTIFIES THAT THIS CERTIFICATE IS TRUE AND ACCURATE IN ALL RESPECTS; AND THAT IF A CONTRACT IS ISSUED TO BIDDER AND IF ANYTHING CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p> <p>BIDDER: <u>ALARM PRO, LLC</u></p> <p>DATE: <u>5/31/07</u></p> <p>SIGNED: <u>Cary C. Chalk</u></p> <p>TITLE: <u>OWNER</u></p> <p>* CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B". (REV. 12/00)</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<u>Cary C. Chalk</u>	<u>304-722-5006</u>	<u>5/31/07</u>
TITLE	FAX	ADDRESS CHANGES TO BE NOTED ABOVE
<u>OWNER</u>	<u>55-077-2540</u>	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

CLOSED CIRCUIT SECURITY SURVEILLANCE SYSTEM SPECIFICATIONS

The Huttonsville Correctional Center requests bids for the purchase of the following Closed-Circuit Security TV System equipment. The Huttonsville Correctional Center will perform installation.

Item #1

* Pelco Model DX8101-250A or EQUAL - 8 channel DVR W250GB, CDRW, ITP/IP, 8 AUDIO INPUTS

Item #2

Pelco Model DX8116-250A or EQUAL - 16 Channel DVR W250GB, CDRW, ITP/IP, 16 Audio INPUTS

Item #3

Pelco Model SD5318-HPED Spectra III or EQUAL - PTZ W HD ENCLOSURE Pendant mount, smoke lens 18Xzoom

Item #4

PELCO CAMCLOSURE MODEL IS110-CHV9 or EQUAL - SRFMT HI_RES COLOR 3-9.9mm With auto IRIS lens

Item #5

PELCO MODEL TW3016P or EQUAL -16 CH Transceivers for UTP

Item #6

PELCO MODEL MCS8-5E or EQUAL - 8 fused outputs 5amp power supply

Item #7

PELCO MODEL MCS16ZUS8 - 16 fused outputs 20amp power supply

Item #8

PELCO MODEL PMCL519 or EQUAL - 19" LCD Monitor

Item #9

PELCO MODEL G2512-ZCBV21AH or EQUAL - IMAGEPAK HIGH RESOLUTION COLOR 2.8-12MM AUTO IRIS LENS, HOUSING, HEATER BLOWER and MOUNT

Item #10

PELCO MODEL TW3008P or EQUAL - 1 TRANSCIVER FOR UTP

* ITEMS 1 and 2 must have channel expansion capability.

AUTV8 - BID FORM				
ITEM #	ORDER QTY.	UNIT PRICE	EXTENDED PRICE	STANDARD DEL. CHG.
1	1	\$ 4959.15	\$ 4959.15	
2	1	\$ 6381.90	\$ 6381.90	
3	4	\$ 2836.80	\$ 11347.20	
4	1	\$ 316.05	\$ 316.05	
5	6	\$ 792.75	\$ 4756.50	
6	1	\$ 70.35	\$ 70.35	
7	6	\$ 255.30	\$ 1531.80	
8	2	\$ 903.00	\$ 1806.00	
9	6	\$ 517.65	\$ 3105.90	
10	1	\$ 399.00	\$ 399.00	
GRAND TOTAL			\$ 96608.10	

Bidder information

Name: ALARM PRO, LLC

Address: 315 SHADY LANE
Saint Albans, WV 25133

Telephone: 304 722 5006

Fax#: 304 727 3602

Email: cccalarmpro@verizon.net

RFQ No. _____

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owned is an amount greater than one thousand dollars in the aggregate

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

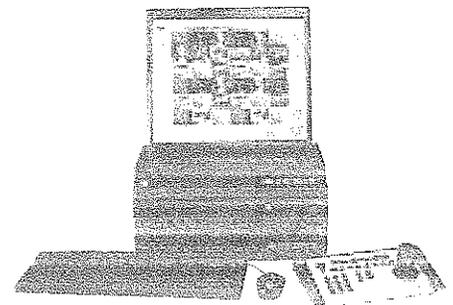
Vendor's Name: AlarmPro, LLC
Authorized Signature: Cary C. Chell Date: 5/31/07

PELCO DX8100

THE CHOICE FOR PROFESSIONAL SECURITY



Combining exceptional image quality, immense storage capacity, 60fps, and server-to-server connectivity, DX8100 Systems continue the Pelco tradition of outstanding performance in digital video recording. In our quest to create the most powerful DVXs on the market for the video security professional, Pelco DX8100's now feature increased storage capacity, faster recording rates, Multicasting, Network Time Protocol (NTP) synchronization, Global Data Retention Time Limit, and a new Gigabit Ethernet port. The DX8100 is completely interoperable with existing DX8000 systems, and features an optional 16 Channel Expansion Unit, making DX8100 DVRs easily adaptable for 24- and 32-channel video requirements.



PROTECTING PEOPLE AND PROPERTY IN A MILLION LOCATIONS WORLDWIDE

To Contact a Pelco Sales Representative, Call (801) 330-0100 or (248) 200-1541
Web: www.pelco.com Fax: (801) 330-0100 or (248) 200-1541

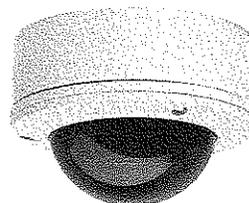
PELCO.COM

Camclosure® IS Series Rugged Mini Dome

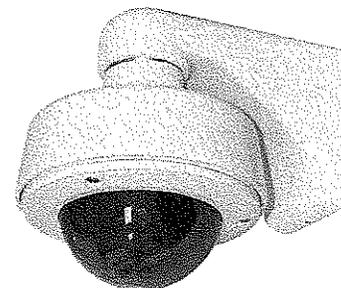
IS110 SERIES SURFACE MOUNT, WDR, DAY/NIGHT, HIGH RES

Product Features

- Fully-Integrated Enclosure with Camera and Lens
- Rugged, High-Impact, Vandal-Resistant, Puncture-Proof Domes; Tamper-Resistant Hardware
- 4 Camera Options:
 - Day/Night Wide Dynamic Range (WDR): Pixel-Based Imager for Accurate Color Representation, Progressive Scan
 - Day/Night High Resolution: 540 TVL
 - Wide Dynamic Range (WDR): Pixel-Based Imager for Accurate Color Representation, Progressive Scan
 - High Resolution Color: 540 TVL
- Varifocal Lens Options: 3 mm to 9.5 mm, 9 mm to 22 mm
- Fixed Lens Options: 3 mm, 3.6 mm, 6 mm, 8 mm, 12 mm
- Includes Both Composite and Unshielded Twisted Pair (UTP) Outputs
- 12 VDC or 24 VAC Operation, Autosensing
- Available with Smoked or Clear Bubble
- Service Connector for Video Output



IS110 SERIES DOME



IS110 SERIES DOME WITH ICS110-PG PENDANT ADAPTER AND SWM-GY MOUNT

Camera Modules

The **IS110 Series Camclosure® Integrated Camera System** offers a large selection of camera and lens options. Available camera modules include the following:

- **Day/night wide dynamic range (WDR) and wide dynamic range**—Pelco's WDR uses a pixel-based imager that adjusts for lighting by pixel. Traditional CCD cameras adjust the entire image for lighting conditions that appear in a small portion of the image or that are not extreme. Different lighting problems occur at night. Car headlights and parking lot lights are good examples of problematic video images. Use Pelco's Day/Night WDR where you need the camera to adjust from extreme lighting to low light conditions.
- **Day/night high resolution (540 TVL) color camera with auto iris, varifocal lens**—Application examples include environments that require monochrome images at night and color images during the day.
- **High resolution (540 TVL) color camera with auto iris, varifocal lens or fixed iris lens**—Application examples include all general-purpose environments.

Enclosure Modules

The **IS110 Series Camclosure Integrated Camera System** combines an environmental cover, back box, camera, lens, and lower dome into a small, high-security system that is quick and easy to install. The system is perfect for a variety of indoor and outdoor applications and its versatile design allows for multiple mounting options.

The **IS110 Series** can be installed directly into a ceiling or wall, or to a 1.5-inch (3.81 mm) NPT fitting with the optional pendant mount adapter (ICS110-PG). The unit can also mount directly to a 4S electrical box using the optional adapter plate (ICS110-AP) or a standard plaster ring.

The system's back box has three conduit openings: two in the base, and a threaded 0.75-inch (1.91 cm) opening in the side. The environmental cover can be used to hide and protect the side conduit opening if it is not used.



C3426 / REVISED 4-07



U.S. Patents D476,025; 6,715,939 B2; 6,805,498 B2



International Standards Organization Registered Firm; ISO 9001 Quality System

TECHNICAL SPECIFICATIONS

GENERAL

Construction	Aluminum with steel camera mounting bracket and polycarbonate dome
Finish	Light gray polyester powder coat
Light Attenuation	
Smoked	1.5 F-stops light loss
Clear	Zero light loss
Unit Weight	2.20 lb (1.00 kg)
Shipping Weight	4.0 lb (1.81 kg)

ELECTRICAL

Input Voltage*	12 VDC or 24 VAC ($\pm 10\%$), autosensing
Synchronization	Internal or AC line lock
Power Consumption	
Camera	<3 W (DW/CW models) <4 W (DN/CH models)
Heaters	10 W when active; thermostatically controlled

MECHANICAL

Cable Entry	One 0.75-inch (1.91 cm) NPT threaded opening on side; two 0.75-inch (1.91 cm) openings on base
Pan/Tilt Adjustment	Manual
Pan	360°
Tilt	80° (20° to 100° range)
Rotation	360°

VIDEO

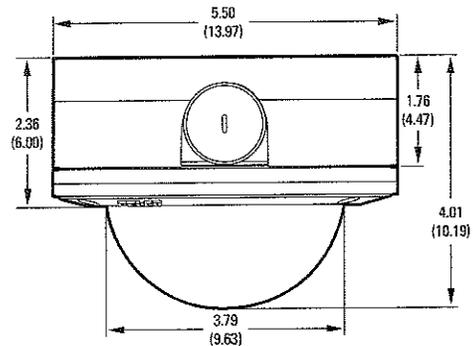
Signal System	NTSC or PAL
Video Output	
Composite	1 Vp-p, 75 ohms
UTP	1 Vp-p, 100 ohms
Video Connectors	1 composite BNC and 1 UTP
Service Connector	3-conductor, 2.5 mm connector for video output to optional ICS-SC cable

ENVIRONMENTAL

Environment	Low temperature, indoor/outdoor
Operating Temperature	-50° to 122°F (-46° to 50°C); de-ices to 25°F (-4°C)
Thermostat Operation	Heater is thermostatically controlled to activate ON at 50°F (10°C) and OFF at 80°F (27°C)

CERTIFICATIONS/RATINGS/PATENTS

- CE, Class B
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class B
- Meets NEMA Type 4X and IP66 standards
- U.S. Patents D476,025; 6,715,939 B2; 6,805,498 B2



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS;
ALL OTHERS ARE INCHES.

*24 VAC power is recommended when installing any Camclosure Integrated Camera System under fluorescent lighting conditions.

TECHNICAL SPECIFICATIONS

CAMERA SPECIFICATIONS

	Day/Night Wide Dynamic Range Varifocal, Auto Iris (DW Series)	Day/Night High Resolution Varifocal, Auto Iris (DN Series)	Wide Dynamic Range Varifocal, Auto Iris (CW Series)	High Resolution Varifocal, Auto Iris (CH Series)
Imaging Device	1/3-inch Pixel Based Imager	1/3-inch Interline Color CCD	1/3-inch Pixel Based Imager	1/3-inch Interline Color CCD
Dynamic Range (DW/CW only)	102 dB typical 120 dB maximum	—	102 dB typical 120 dB maximum	—
Scanning System	2:1 Interlace/ Progressive (DIP switch)	2:1 Interlace	2:1 Interlace/ Progressive (DIP Switch)	2:1 Interlace
Horizontal Resolution	NTSC: 504 TV lines PAL: 504 TV lines	NTSC: 540 TV lines PAL: 540 TV lines	NTSC: 504 TV lines PAL: 504 TV lines	NTSC: 540 TV lines PAL: 540 TV lines
Signal-to-Noise Ratio	>53 dB	>50 dB	>53 dB	>50 dB
Minimum Illumination	Color (day): 0.8 lux SENS 8X: 0.2 lux B-W (night): 0.08 lux SENS 8X: 0.02 lux (F1.0, 40 IRE, AGC on, 75% scene reflectance)	Color (day): 0.15 lux B-W (night): 0.015 lux (F1.0, 40 IRE, AGC on, 75% scene reflectance)	Color (day): 0.8 lux SENS 8X: 0.2 lux (F1.0, 40 IRE, AGC on, 75% scene reflectance)	0.2 lux (F1.0, 40 IRE, AGC on, 75% scene reflectance)
Gain Control	Auto (36 dB maximum)	Auto/Manual (DIP switch)	Auto (36 dB maximum)	Auto/Manual (DIP switch)
Exposure	Auto (1/15 - 1/22,000)	Auto (1/60 - 1/100,000)	Auto (1/15 - 1/22,000)	Auto (1/60 - 1/100,000)
White Balance	Auto or manual (DIP switch), 2800°K - 7500°K	Auto or manual (DIP switch), 2500°K - 9500°K	Auto or manual (DIP switch), 2800°K - 7500°K	Auto or manual (DIP switch), 2500°K - 9500°K
Backlight Compensation	Auto	ON/OFF (DIP switch)	Auto	ON/OFF (DIP switch)

LENS SPECIFICATIONS

Series	Varifocal With Auto Iris				Fixed Focal Without Iris				
	DW/CW Series		DN/CH Series		CH Series				
Focal Length	3.0 mm ~ 9.5 mm	9.0 mm ~ 22.0 mm	3.0 mm ~ 9.5 mm	9.0 mm ~ 22.0 mm	3 mm	3.6 mm	6.0 mm	8.0 mm	12.0 mm
Format Size	1/3-inch	1/3-inch	1/3-inch	1/3-inch	1/3-inch	1/3-inch	1/3-inch	1/3-inch	1/3-inch
Relative Aperture (F)	1.0 to 1.8	1.5 to 2.9	1.0 to 1.8	1.5 to 2.9	2.0	2.0	2.0	2.0	2.2
Operation									
Iris	Auto	Auto	Auto	Auto	N/A	N/A	N/A	N/A	N/A
Focus	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Zoom	Manual	Manual	Manual	Manual	N/A	N/A	N/A	N/A	N/A
Angle of View*									
Horizontal	100.4° to 31.6°	32.4° to 13.6°	95.0° to 30.2°	30.6° to 13.0°	90.2°	72.9°	40.1°	31.5°	19.7°
Diagonal	131.6° to 39.6°	41.4° to 17.2°	123.6° to 37.6°	39.2° to 16.4°	120.0°	92.0°	53.0°	40.0°	28.0°
Vertical	72.8° to 23.8°	23.8° to 10.2°	69.0° to 22.6°	22.6° to 9.8°	65.4°	54.1°	30.4°	23.7°	15.0°

*Focal length specifications presume a 10% horizontal and 4% vertical monitor overscan.

SYSTEM MODELS AND ACCESSORIES

MODEL NUMBERS

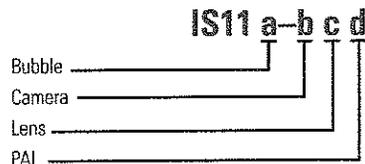
Dome Only

- IS110-ENC IS110 Series surface mount enclosure (no camera/lens)
- IS110-LD IS110 Series smoked bubble
- IS111-LD IS110 Series clear bubble with liner

When ordering an IS110 Series surface mount dome with no camera or lens, please order 1 enclosure and 1 bubble.

System Numbers

Use this table to create a model number to specify your IS110 Series Camclosure. Note the additional information below the table for fixed lens and NTSC/PAL options. For example, IS111-DNV9X is the model number for a PAL version color day/night high resolution camera with a clear bubble and a 3 mm to 9.5 mm varifocal lens. For information, contact your Pelco sales representative.



Bubble (a)	Camera (b)	Lens (c)	PAL (d)
0 Smoked	DW Color Day/Night Wide Dynamic Range	Available with all cameras: V9 Varifocal, 3 mm to 9.5 mm, Auto Iris	DN and CH cameras only: X PAL
1 Clear with black liner	DN Color Day/Night High Resolution	V22 Varifocal, 9 mm to 22 mm, Auto Iris	Do not use for NTSC.
	CW Color Wide Dynamic Range	Available with CH cameras: 3 Fixed, 3 mm	
	CH Color High Resolution	3.6 Fixed, 3.6 mm	
		6 Fixed, 6 mm	
		8 Fixed, 8 mm	
		12 Fixed, 12 mm	

RECOMMENDED POWER SUPPLIES

- TF2000 Power supply for one 24 VAC camera, 20 VA
- MCS Series Multiple 24 VAC camera power supply, indoor
- MCS*E Series Multiple 24 VAC camera power supply, indoor
- WCS Series Single/multiple 24 VAC camera power supply, outdoor

OPTIONAL ACCESSORIES

- ICS110-AP Adapter plate for a 4-square electrical box
- ICS110-PG Pendant mount adapter
- ICS110-BV Breather vent to prevent condensation from forming inside the unit
- SWM Series Compact wall mount with cable feedthrough. Requires ICS110-PG adapter.
- ICS-SC 4-foot service/monitor cable; compatible with any standard monitor BNC connector



Pelco Worldwide Headquarters:
 3500 Pelco Way, Clovis, California 93612-5699 USA
USA & Canada Tel: (800) 289-9100 • FAX (800) 289-9150
International Tel: (559) 292-1981 • FAX (559) 348-1120
www.pelco.com

Pelco, the Pelco logo, and Camclosure are registered trademarks of Pelco.
 Specifications subject to change without notice.
 ©Copyright 2007, Pelco. All rights reserved.

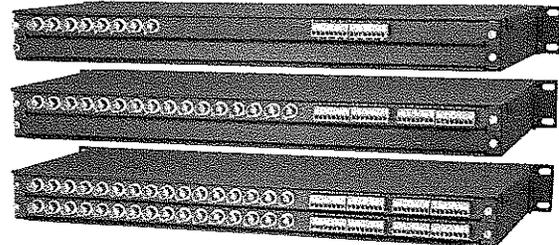


TW3000P Series Multi-Channel Video Transceivers

PASSIVE VIDEO TRANSMISSION OVER UNSHIELDED TWISTED PAIR

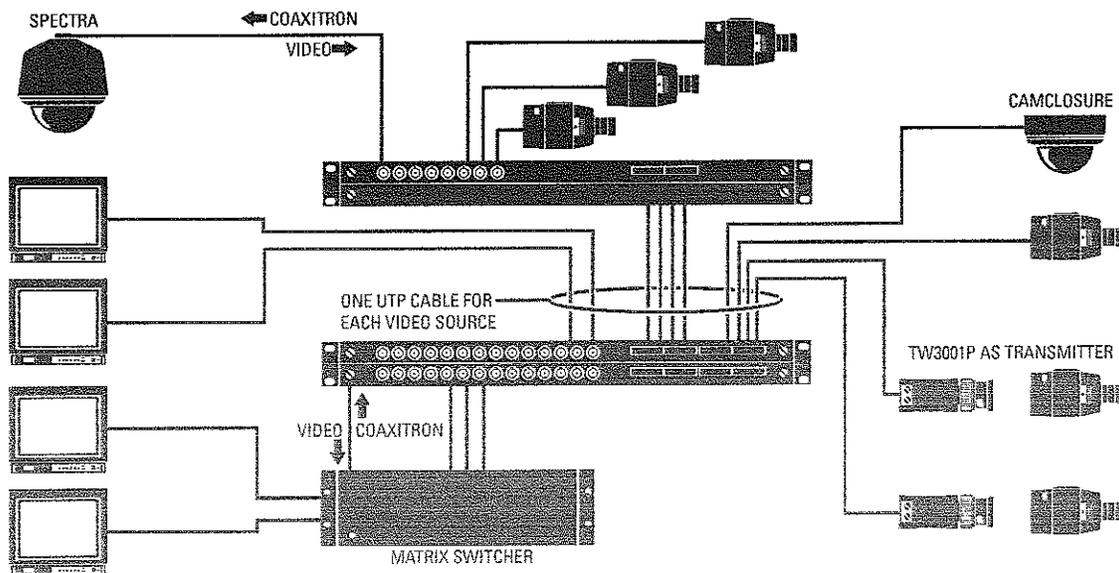
Product Features

- 8, 16, 32 Channel Versions Available
- No Power Required
- Built-In Surge Suppression
- Full Motion Color/Black and White Video Up to 750 Feet
- Supports Coaxitron® Control (PTZ Control Signals) Up to 750 Feet
- Compatible With All Pelco Twisted Pair Equipped Cameras, Enclosures, and Domes
- Easy Termination With Screw Terminals
- Supports NTSC, PAL, and SECAM
- Rack Mountable



The **TW3000 Series** multi-channel video transceivers can transmit multiple video signals over unshielded twisted pair (UTP) cable. The transceivers are available with 8, 16, or 32 channels and can be mounted into an industry standard 19-inch (48.26 cm) wide equipment rack.

The transceivers can be used at the camera and/or monitoring location. They allow for easy connectivity with any video source or destination device, such as cameras, monitors, and matrix switchers. These multi-channel transceivers will transmit video (color/black and white) and coaxitron (up the coax) PTZ control signals on the same pair of UTP wires.



C1662 / NEW 1-06



International Standards
Organization Registered Firm
ISO 9001
CERTIFIED Quality System



TECHNICAL SPECIFICATIONS

MODELS

TW3008P	Passive, 8-channel video transceiver
TW3016P	Passive, 16-channel video transceiver
TW3032P	Passive, 32-channel video transceiver

ELECTRICAL/VIDEO

Power Source	No power required
Wire Type	Unshielded Twisted Pair (24 AWG maximum)
Wire Category	Cat3 or better
Wire Impedance	100 ohms +/- 20%
Wire Distance	750 feet maximum using Cat5e or Cat6

Cable Type	Distance (with Coaxitron)	Distance (video only)
Cat3	300 ft	400 ft
Cat5	500 ft	650 ft
Cat5e	750 ft	750 ft
Cat6	750 ft	750 ft

DC Loop Resistance	52 ohms per 1,000 feet
Differential Capacitance	19pF/ft max
Transient Immunity	300 W peak pulse power (8/20 US)
Insertion Loss	72 dB over; 0-8 MHz frequency range

VIDEO CHARACTERISTICS

Video Input/Output	One BNC; internally terminated in 75 ohms
Format	NTSC, PAL, SECAM
Frequency Response	DC to 10 MHz
Common Mode/Differential Mode Rejection	>60 dB typical

MECHANICAL

Connectors	
BNC	Video input/output
Screw Terminal	UTP input/output
Construction	Aluminum
Finish	Black

GENERAL

Operating Temperature	-40° to 185°F (-40° to 85°C)
Relative Humidity	0 to 90%, noncondensing
Data Transmission	Supports Coaxitron up to 750 feet (228.6 m)
Dimensions	1.75" H x 17.50" W x 7.00" D (4.44 x 44.45 x 17.78 cm)
Unit Weight	
TW3008P	2.94 lb (1.33 kg)
TW3016P	3.10 lb (1.41 kg)
TW3032P	4.42 lb (2.00 kg)
Shipping Weight	
TW3008P	5 lb (2.27 kg)
TW3016P	5 lb (2.27 kg)
TW3032P	6 lb (2.72 kg)

CERTIFICATIONS

- CE
- UL Listed
- UL Listed to Canadian safety standards



Pelco Worldwide Headquarters:
3500 Pelco Way, Clovis, California 93612-5689 USA
USA & Canada Tel: (800) 269-9100 • FAX (800) 269-9150
International Tel: (559) 292-1981 • FAX (559) 348-1120
www.pelco.com

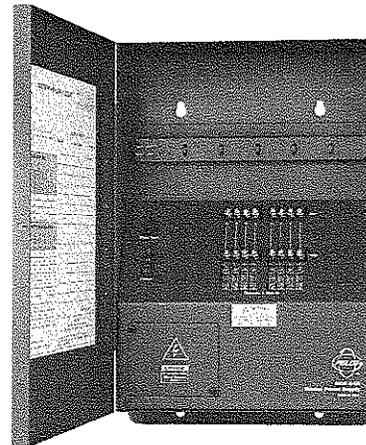
Pelco, the Pelco logo, and Coaxitron are registered trademarks of Pelco.
©Copyright 2006, Pelco. All rights reserved..

MCS*E Series Power Supply

MULTIPLE 24 VAC POWER SUPPLY, INDOOR

Product Features

- 120 VAC Input, 24 VAC Output
- 2, 5, 10, or 20 Amp Capacities
- 4, 8, or 16 Outputs
- Input and Output Fuse Protection
- Power On/Off Switch
- An Economical Alternative to the MCS Series Power Supply
- Compatible with Cameras, Domes, and Pan/Tilts



MCS8-5E

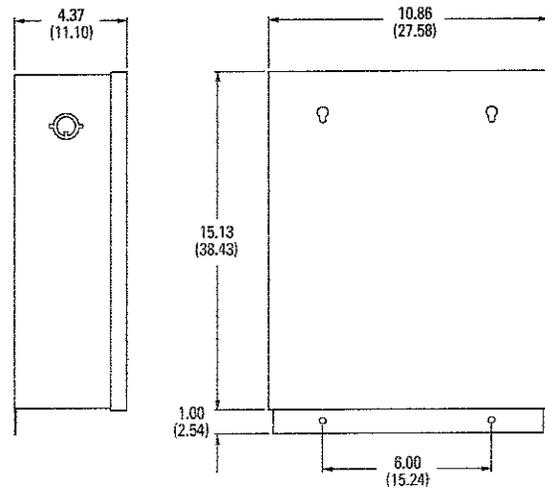
The power supplies in the **MCS*E Series** offer an economical variety of configurations for powering up to 16 units from a single power source.

The **MCS*E Series** power supplies provide 24 VAC output for 4, 8, or 16 units. The power supplies have an input of 120 VAC. They are all packaged in an easy-to-install metal enclosure that has ample room for wiring connections and conduit entries.

For integrated systems such as Spectra® and Esprit® the higher capacity models can handle pan/tilt and receiver operation in addition to camera functions. (See product capacity chart.)

Models come with input and output fuses, including spares, to provide a high degree of protection for the camera.

Wiring specifications to assist in the installation of equipment are provided on the inside of the cover. There also is an installation record area for noting the power consumption and types of equipment connected to the power supply.



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS;
ALL OTHERS ARE INCHES.



TECHNICAL SPECIFICATIONS

MODELS

MCS4-2E	Indoor multiple power supply, 120 VAC input. Four 1 A fused 24 VAC outputs, total current capacity of 2 A (48 VA).
MCS8-5E	Indoor multiple power supply, 120 VAC input. Eight 3 A fused 24 VAC outputs, total current capacity of 5 A (120 VA).
MCS16-10E	Indoor multiple power supply, 120 VAC input. Sixteen 3 A fused 24 VAC outputs, total current capacity of 10 A (240 VA).
MCS16-20E	Indoor multiple power supply, 120 VAC input. Sixteen 3 A fused 24 VAC outputs, total current capacity of 20 A (480 VA).

Product Capacity Chart

A partial list of compatible products and the number of units that may be powered by each power supply are listed below. Capacity is based on the vA rating of each product to be used with the power supply.

Product	Power Supply Model			
	MCS4-2E (48 VA)	MCS8-5E (120 VA)	MCS16-10E (240 VA)	MCS16-20E (480 VA)
CCD Camera (12 VA maximum)	4	8	16	16
Indoor DF5 with camera (3 VA)	4	8	16	16
Indoor DF8 with camera (12 VA maximum)	4	8	16	16
Indoor Spectra® (25 VA)	1	4	8	16
Esprit® (70 VA)	—	1	3	6

MECHANICAL

Cable Entry Four knockouts for either 1/2-inch (1.27 cm) or 3/4-inch (1.91 cm) conduit

ELECTRICAL

Input Voltage	120 VAC, 60 Hz
Output Voltage	24 VAC
Output Fuse Ratings	
MCS4-2E	1 A*
Other Models	3 A*
Input Connectors	Wire nut
Output Connectors	Screw-type barrier strips
Input Wire Size	12-16 gauge solid wire
Output Wire Size	12-22 gauge solid or stranded wire

*Individual output cannot exceed this rating, and the total of all outputs cannot exceed the overall rating of the power supply (see the Models section).

Recommended Wiring Distances

The following are the recommended maximum distances (transformer to load) and are calculated with a 10-percent voltage drop. (Ten percent is generally the maximum allowable voltage drop for AC-powered devices.) Distances are calculated in feet; value in parentheses are meters.

Recommended Wiring Distances Chart

Input Voltage	Total VA Consumed	Wire Gauge		
		20 AWG (0.5 mm ²)	18 AWG (1.0 mm ²)	16 AWG (1.5 mm ²)
24 VAC	10	283 (86)	451 (137)	716 (218)
	20	141 (42)	225 (68)	358 (109)
	30	94 (28)	150 (45)	238 (72)
	50	56 (17)	90 (27)	143 (43)

GENERAL

Construction	Steel
Finish	Charcoal black polyester powder coat
Environment	Indoor
Operating Temperature	32° to 120°F (0° to 50°C)
Ratings	Meets NEMA Type 1 standards
Unit Weights	
MCS4-2E	13.45 lb (6.10 kg)
MCS8-5E	14.70 lb (6.67 kg)
MCS16-10E	16.60 lb (7.53 kg)
MCS16-20E	19.70 lb (8.94 kg)
Shipping Weights	
MCS4-2E	16 lb (7.26 kg)
MCS8-5E	17 lb (7.71 kg)
MCS16-10E	20 lb (9.07 kg)
MCS16-20E	23 lb (10.43 kg)



Pelco Worldwide Headquarters:
 3500 Pelco Way, Clovis, California 93612-5699 USA
USA & Canada Tel: (800) 289-9100 • FAX (800) 289-9150
International Tel: (559) 292-1981 • FAX (559) 348-1120
www.pelco.com

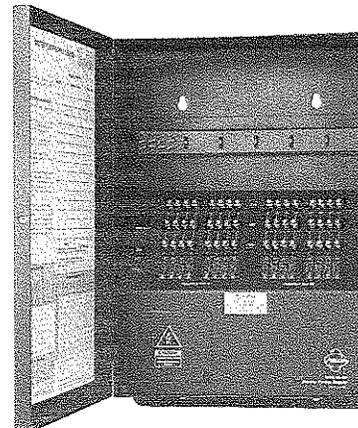
Pelco, the Pelco logo, Spectra, and Esprit are registered trademarks of Pelco. Specifications subject to change without notice. ©Copyright 2006, Pelco. All rights reserved.

MCS Series Power Supply

MULTIPLE 24 VAC POWER SUPPLY, INDOOR

Product Features

- 2, 5, 10, or 20 Amp Capacities
- 4, 8, or 16 Outputs
- Fuse or Circuit Breaker Protection;
Spare Fuses Included with Fused Models Only
- 120 VAC or 230 VAC Selectable Input
- 24 VAC Output or 28 VAC Output for Longer Wire Runs
- AC Power Indicator with Power On/Off Switch
- Compatible with Cameras, Domes, and Pan/Tilts
- Models with Circuit Breakers Have Class 2 Rated Outputs



MCS16-10

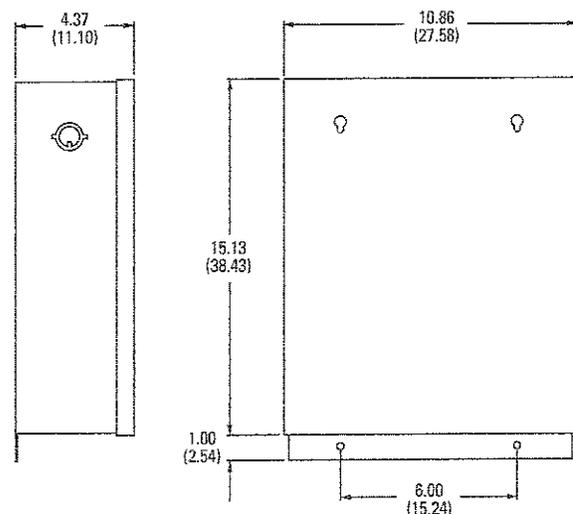
Power supplies in the **MCS Series** offer a variety of configurations for powering up to 16 units from a single power source.

The power supplies provide 24 VAC output for 4, 8, or 16 units. To compensate for voltage losses over long wire runs, 28 VAC outputs also are available on most models. The power supplies have a selectable input of 120 or 230 VAC and are packaged in an easy-to-install metal enclosure that has ample room for wiring connections and conduit entries.

For integrated systems such as Spectra® and Esprit® the higher capacity models are capable of handling pan/tilt and receiver operation in addition to camera functions. (See product capacity chart.)

Models are available with either fuses or self-resetting circuit breakers on each output. Fused models provide a greater degree of protection for the camera because they are faster acting and more precise. Circuit breakers will self-reset when the fault is corrected, eliminating the need for replacing fuses. However, the amount of current required to trip a circuit breaker can vary as much as 100% depending on temperature. In the fused models, the values of fuses can be changed depending upon the specific current requirements of the equipment connected.

The **MCS16-10S**, **MCS16-10SB**, **MCS16-20S**, and **MCS16-20SB** are 16-output supplies that have individual power switches and LEDs on each output. This is a popular feature in larger systems where it is frequently necessary to power-down individual units.



NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.



0853 / REVISED 10-06



International Standards
Organization Registered Firm;
ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

MODELS

MCS4-2	Indoor multiple power supply, 120/230 VAC input. Four fused 24 VAC outputs, total current capacity of 2 A (48 VA).
MCS4-2B	Same as MCS4-2 except has circuit breakers.
MCS8-5	Indoor multiple power supply, 120/230 VAC input. Eight fused 24/28 VAC outputs, total current capacity of 5 A (120 VA).
MCS8-5B	Same as MCS8-5B except has circuit breakers.
MCS16-10	Indoor multiple power supply, 120/230 VAC input. Sixteen fused 24/28 VAC outputs, total current capacity of 10 A (240 VA).
MCS16-10B	Same as MCS16-10 except has circuit breakers.
MCS16-10S	Same as MCS16-10 except each output has a power switch and power indication LED.
MCS16-10SB	Same as MCS16-10S except has circuit breakers.
MCS16-20	Indoor multiple camera power supply, 120/230 VAC input. Sixteen fused 24/28 VAC outputs, total current capacity of 20A (480 VA).
MCS16-20B	Same as MCS16-20 except has circuit breakers.
MCS16-20S	Same as MCS16-20 except each output has a power switch and power indication LED.
MCS16-20SB	Same as MCS16-20S except has circuit breakers.

Product Capacity Chart

A partial list of compatible products and the number of units that may be powered by each power supply are listed below. Capacity is based on the VA rating of each product to be used with the power supply.

Product	Power Supply Model			
	MCS4-2/ 4-2B (48 VA)	MCS8-5/ 8-5B (120 VA)	MCS16-10/ 16-10B (240 VA)	MCS16-20/ 16-20B (480 VA)
CCD Camera (12 VA)	4	8	16	16
Indoor DF5 with camera (3 VA)	4	8	16	16
Indoor DF8 with camera (12 VA)	4	8	16	16
Indoor Spectra® (25 VA)	1	4	8	16
Esprit® (70 VA)	—	1	3	6

MECHANICAL

Cable Entry Four knockouts for either 1/2-inch (1.27 cm) or 3/4-inch (1.91 cm) conduit

ELECTRICAL

Input Voltage 120 or 230 VAC, 50/60 Hz (as noted in model number)

Output Voltage
MCS4-2 24 VAC
All Other Models 24/28 VAC

Output Fuse/
Circuit Breaker Ratings
MCS4-2, MCS4-2B 1.5 A*
All other models 3 A*

Input Connectors Wire nut
Output Connectors Screw-type barrier strips; models with circuit breakers are suitable for Class 2 wiring

Input Wire Size 12-16 gauge solid wire
Output Wire Size 12-22 gauge solid or stranded wire
Recommended Wiring Distances See chart below

The following are the recommended maximum distances (transformer to load) and are calculated with a 10-percent voltage drop. (Ten percent is generally the maximum allowable voltage drop for AC-powered devices.) Distances are calculated in feet; values in parentheses are meters.

Recommended Wiring Distance Chart

Input Voltage	Total VA Consumed	Wire Gauge		
		20 AWG (0.5 mm ²)	18 AWG (1.0 mm ²)	16 AWG (1.5 mm ²)
24 VAC	10	283 (86)	451 (137)	716 (218)
	20	141 (42)	225 (68)	358 (109)
	30	94 (28)	150 (45)	238 (72)
	50	58 (17)	90 (27)	143 (43)
28 VAC	10	386 (117)	614 (187)	975 (297)
	20	193 (58)	307 (93)	487 (148)
	30	128 (39)	204 (62)	325 (99)
	50	77 (23)	122 (37)	195 (59)

GENERAL

Construction	Steel
Finish	Charcoal black polyester powder coat
Environment	Indoor
Operating Temperature	32° to 120°F (0° to 50°C)
Weights	<u>Unit</u> <u>Shipping</u>
MCS4-2	14.10 lb (6.40 kg) 17 lb (7.70 kg)
MCS4-2B	13.89 lb (6.30 kg) 17 lb (7.70 kg)
MCS8-5	17.05 lb (7.73 kg) 20 lb (9.07 kg)
MCS8-5B	18.95 lb (7.64 kg) 20 lb (9.07 kg)
MCS16-10	20.72 lb (9.40 kg) 24 lb (10.87 kg)
MCS16-10B	20.72 lb (9.40 kg) 24 lb (10.87 kg)
MCS16-10S	20.35 lb (9.23 kg) 23 lb (10.41 kg)
MCS16-10SB	20.48 lb (9.29 kg) 23 lb (10.41 kg)
MCS16-20	22.50 lb (10.21 kg) 26 lb (11.77 kg)
MCS16-20B	22.47 lb (10.19 kg) 26 lb (11.77 kg)
MCS16-20S	22.27 lb (10.10 kg) 25 lb (11.32 kg)
MCS16-20SB	22.28 lb (10.11 kg) 25 lb (11.32 kg)

CERTIFICATIONS/RATINGS

- CE
- UL Listed
- UL Listed to Canadian safety standards
- China Compulsory Certification
- Meets NEMA Type 1 standards

*Individual output cannot exceed this rating, and the total of all outputs cannot exceed the overall rating of the power supply (see the Models section).



Pelco Worldwide Headquarters:
3500 Pelco Way, Clovis, California 93612-5699 USA
USA & Canada Tel: (800) 289-9100 • FAX (800) 289-9150
International Tel: (559) 292-1981 • FAX (559) 348-1120
www.pelco.com

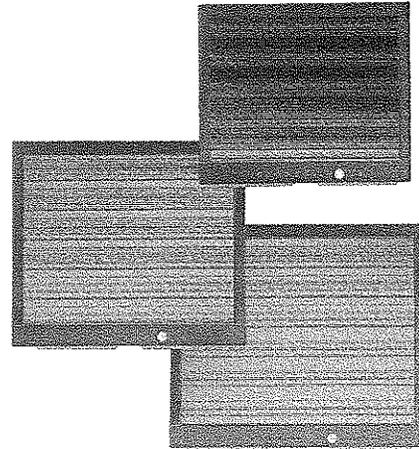
Pelco, the Pelco logo, Spectra, and Esprit are registered trademarks of Pelco. Specifications subject to change without notice. ©Copyright 2006, Pelco. All rights reserved.

300 Series Flat Panel, TFT LCD Monitor

15-INCH, 17-INCH, 19-INCH MONITORS WITH MULTIMODE FUNCTIONALITY

Product Features

- Space-Saving, Flat Panel Design
- Picture-Frame-Style Desktop Stand
- Looping Composite and S-Video Inputs
- VGA Input
- Supports up to 1280 x 1024 SXGA Resolution (PMCL319, PMCL317), 1024 x 768 Resolution (PMCL315)
- Maximum Brightness of 380 cd/m² (PMCL319), 400 cd/m² (PMCL317), 350 cd/m² (PMCL315)
- Maximum Contrast Ratio of 500:1
- Maximum Response Time of 12 ms (PMCL319, PMCL317), 16 ms (PMCL315)
- 100/240 VAC, 60/50 Hz Autoranging Internal Power Supply
- Low Power Consumption (<50 Watts)
- Internal Speakers
- Optional Rack, Wall, Ceiling, and Camera Mounts



The **300 Series** LCD monitors, designed specifically for the security industry, provide high resolution display of computer signals and/or composite video. These 17- and 19-inch monitors have a color LCD panel with a thin film transfer (TFT) active matrix. The monitors automatically adapt to the appropriate input resolution (up to 1280 x 1024).

The **300 Series** provides looping composite (BNC) and S-Video inputs. Additionally, these models provide a VGA input to support the use of DVRs (digital video recorders) and PC applications. This multimode functionality—combined with a quick panel response time to minimize ghosting in motion video, ergonomic design, autoranging internal power supply, and low power consumption—makes the **300 Series** ideal for applications requiring a VGA display with composite video capabilities.

The **300 Series** features a folding picture-frame-style desktop stand, optional rack mount kits, and VESA®-compliant mounting holes to easily adapt to different wall and ceiling mounts.

These monitors automatically detect and display the correct video format (NTSC or PAL) and are powered by an internal autoranging power supply.

The **300 Series** uses four long life CCFT (cold cathode fluorescent tube) backlights to maintain the brightness level over time, eliminating the brightness degradation common in aging CRT monitors.

Adjustments of standard monitor display parameters are made via user-friendly, on-screen menus and front panel controls.



C2926 / REVISED 9-06



International Standards
Organization Registered Firm:
ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

MODELS

PMCL315	15-inch (381 mm) active TFT LCD monitor, multimode
PMCL317	17-inch (432 mm) active TFT LCD monitor, multimode
PMCL319	19-inch (483 mm) active TFT LCD monitor, multimode

GENERAL

LCD Panel Pixel Array	
PMCL315	1024 x 768, 75 Hz
PMCL317, PMCL319	1280 x 1024, 75 Hz
Panel Aspect Ratio	
PMCL315	4:3
PMCL317, PMCL319	4:3 composite, 5:4 VGA
Viewing Area	
PMCL315	304 x 228 mm
PMCL317	338 x 270 mm
PMCL319	376 x 301 mm
Pixel Pitch	
PMCL315	0.297 x 0.297 mm
PMCL317	0.264 x 0.264 mm
PMCL319	0.294 x 0.294 mm
Brightness	
PMCL315	350 cd/m ²
PMCL317	400 cd/m ²
PMCL319	380 cd/m ²
Contrast Ratio	
	500:1
Backlight Type	
	4 CCFL
Panel Lamp Life	
	40,000 hours
Viewing Angle (H/V)	
PMCL315	140°/125°
PMCL317	140°/130°
PMCL319	150°/130°
Tilt	
	<10° to >45°
Display Colors	
PMCL315, PMCL317	16.2 million
PMCL319	16.7 million
Response Time	
PMCL315	16 ms
PMCL317, PMCL319	12 ms
Speakers	
	integrated, 2 x 1.0 W
Front Panel Controls	
	Video input, menu (up, down, left, right), power, front panel lockout
Indicators	
	LED (power on, standby, sleep), on-screen ("no signal")

ELECTRICAL

Input Voltage	100-240 VAC, 50/60 Hz, internal power supply
Power Consumption	<50 W (on), <5 W (standby)
Input Interfaces	
Video*	1, BNC, looping; 1, S-Video, looping, VGA
Audio	1 (L/R), RCA, looping
Horizontal Frequency	
PMCL315	30 kHz to 60 kHz
PMCL317, PMCL319	30 kHz to 80 kHz
Vertical Frequency	
	56 Hz to 75 Hz
Sync Format	
	NTSC/PAL autosensing

*Maximum VGA resolution is 1024 X 768 on the PMCL315 and 1280 X 1024 on the PMCL317 and PMCL319.

PHYSICAL

Dimensions	
PMCL315	13.7" W x 11.8" H x 2.9" D (34.7 x 29.9 x 7.4 cm)
PMCL317	15.0" W x 13.4" H x 3.2" D (38.1 x 34.1 x 8.0 cm)
PMCL319	16.6" W x 14.7" H x 3.3" D (42.1 x 37.4 x 8.3 cm)
Unit Weight	
PMCL315	9.6 lb (4.4 kg)
PMCL317	12.4 lb (5.6 kg)
PMCL319	14.5 lb (6.6 kg)
Shipping Weight	
PMCL315	13.0 lb (5.9 kg)
PMCL317	16.0 lb (7.3 kg)
PMCL319	19.0 lb (8.6 kg)

ENVIRONMENTAL

Operating Temperature	32° to 104°F (0° to 40°C)
Storage Temperature	-4° to 140°F (-20° to 60°C)
Operating Humidity	20% to 85%, noncondensing
Storage Humidity	5% to 90%, noncondensing

RECOMMENDED MOUNTS

Wall Mounts	PMCL-WM, PMCL-WMT, PMCL-WM1A, PMCL-WM2A
Ceiling Mounts	PMCL-CM, PMCL-CMP
Rack Mounts	PMCL-RM15, PMCL-RM17, PMCL-RM19
Camera Mount	CM1750-PVM (Public View Mount)

Note: The 300 Series are VESA MIS-D, 100/75, C-compliant monitors equipped with a 100 x 100 mm mounting hole pattern. The 300 Series features a 1/4-inch UNC-20 mounting hole on the top and bottom of the monitor for attaching a camera mount.

OPTIONAL ACCESSORIES

PMVC4	Multiviewer; displays up to four composite video images on a single monitor using a VGA (analog) or DVI (digital) interface. A maximum of 15 units can be cascaded together to provide up to 60 video windows.
PMVR2	Multiviewer; displays video from up to two VGA or two DVI inputs (or one of each) on a single monitor using a VGA or DVI interface. A maximum of 15 units can be cascaded together to provide up to 30 video windows.

CERTIFICATIONS

- CE, Class B
- UL Listed
- UL Listed to Canadian safety standards
- FCC, Class B



DESKTOP STAND



Pelco Worldwide Headquarters:
3500 Pelco Way, Clovis, California 93612-5699 USA
USA & Canada Tel: (800) 289-9100 • FAX (800) 289-9150
International Tel: (559) 292-1981 • FAX (559) 348-1120
www.pelco.com

Pelco and the Pelco logo are registered trademarks of Pelco.
VESA is a registered trademark of the Video Electronics Standards Association.
Specifications subject to change without notice.
©Copyright 2006, Pelco. All rights reserved.

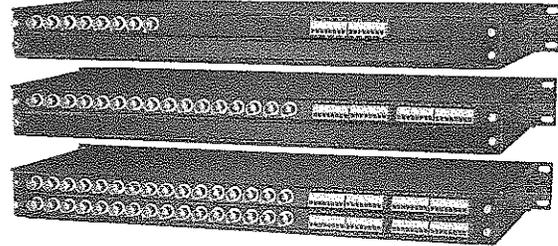


TW3000P Series Multi-Channel Video Transceivers

PASSIVE VIDEO TRANSMISSION OVER UNSHIELDED TWISTED PAIR

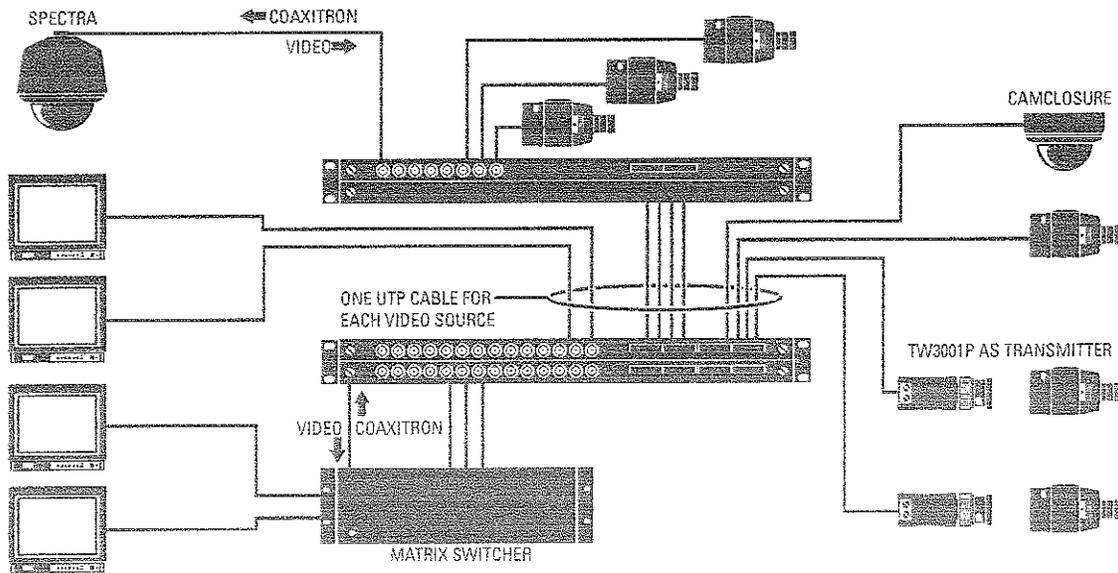
Product Features

- 8, 16, 32 Channel Versions Available
- No Power Required
- Built-In Surge Suppression
- Full Motion Color/Black and White Video Up to 750 Feet
- Supports Coaxitron® Control (PTZ Control Signals) Up to 750 Feet
- Compatible With All Pelco Twisted Pair Equipped Cameras, Enclosures, and Domes
- Easy Termination With Screw Terminals
- Supports NTSC, PAL, and SECAM
- Rack Mountable



The **TW3000 Series** multi-channel video transceivers can transmit multiple video signals over unshielded twisted pair (UTP) cable. The transceivers are available with 8, 16, or 32 channels and can be mounted into an industry standard 19-inch (48.26 cm) wide equipment rack.

The transceivers can be used at the camera and/or monitoring location. They allow for easy connectivity with any video source or destination device, such as cameras, monitors, and matrix switchers. These multi-channel transceivers will transmit video (color/black and white) and coaxitron (up the coax) PTZ control signals on the same pair of UTP wires.



C1882 / NDW 1-06



International Standards Organization Registered Firm, ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

MODELS

TW3008P	Passive, 8-channel video transceiver
TW3016P	Passive, 16-channel video transceiver
TW3032P	Passive, 32-channel video transceiver

ELECTRICAL/VIDEO

Power Source	No power required
Wire Type	Unshielded Twisted Pair (24 AWG maximum)
Wire Category	Cat3 or better
Wire Impedance	100 ohms +/- 20%
Wire Distance	750 feet maximum using Cat5e or Cat6

Cable Type	Distance (with Coaxitron)	Distance (video only)
Cat3	300 ft	400 ft
Cat5	500 ft	550 ft
Cat5e	750 ft	750 ft
Cat6	750 ft	750 ft

DC Loop Resistance	52 ohms per 1,000 feet
Differential Capacitance	15pF/ft max
Transient Immunity	300 W peak pulse power (8/20 US)
Insertion Loss	72 dB over; 0-8 MHz frequency range

VIDEO CHARACTERISTICS

Video Input/Output	One BNC; internally terminated in 75 ohms
Format	NTSC, PAL, SECAM
Frequency Response	DC to 10 MHz
Common Mode/Differential Mode Rejection	>60 dB typical

MECHANICAL

Connectors	
BNC	Video input/output
Screw Terminal	UTP input/output
Construction	Aluminum
Finish	Black

GENERAL

Operating Temperature	-40° to 185°F (-40° to 85°C)
Relative Humidity	0 to 90%, noncondensing
Data Transmission	Supports Coaxitron up to 750 feet (228.6 m)
Dimensions	1.75" H x 17.50" W x 7.00" D (4.44 x 44.45 x 17.78 cm)
Unit Weight	
TW3008P	2.94 lb (1.33 kg)
TW3016P	3.10 lb (1.41 kg)
TW3032P	4.42 lb (2.00 kg)
Shipping Weight	
TW3008P	5 lb (2.27 kg)
TW3016P	5 lb (2.27 kg)
TW3032P	6 lb (2.72 kg)

CERTIFICATIONS

- CE
- UL Listed
- UL Listed to Canadian safety standards



Pelco Worldwide Headquarters:
3500 Pelco Way, Clovis, California 93612-5699 USA
USA & Canada Tel: (800) 289-9100 • FAX (800) 289-9150
International Tel: (559) 292-1991 • FAX (559) 348-1120
www.pelco.com

Pelco, the Pelco logo, and Coaxitron are registered trademarks of Pelco.
©Copyright 2006, Pelco. All rights reserved.