

UniPak™ Unitized Camera Package

Sony Security Systems is pleased to announce the introduction of its expanded UniPak product line. The new UniPak models utilize Sony's standard resolution and high resolution Super HAD™ CCD, Exwave HAD™ CCD, and Hyper HAD® CCD cameras to provide excellent picture quality. Whether the application is indoor or outdoor, color or black and white, the new UniPak models provide the right configuration for your specific needs.

UNITIZED CAMERA/LENS/ ENVIRONMENTAL HOUSING PACKAGE

Indoor and Outdoor Models

- UNI-PM124 series with SPT-M124 Standard resolution Hyper HAD CCD black & white camera
- UNI-PM324 series with SPT-M324 High resolution Exwave HAD CCD black & white camera
- UNI-PC134 series with SSC-DC134 Standard resolution Super HAD CCD color camera
- UNI-PC314 series with SSC-DC314 High resolution Super HAD CCD color camera
- UNI-PC334 series with SSC-DC334 High resolution Exwave HAD CCD color camera

Lens

- Back-focused vari-focal 5 to 50mm DC auto iris lenses for both indoor and outdoor models
- Back-focused vari-focal 3.5 to 8mm DC auto iris lenses for both indoor and outdoor models
- Back-focused vari-focal 3.5 to 8mm manual iris lenses for both indoor and outdoor models

Housing

- Extruded aluminum housing
- Tamper resistant camera housing lock down screws provided
- High strength steel wall mount bracket included
- Outdoor models include AC 24V heater and blower



PRELIMINARY



UNITIZED CAMERA/LENS/ENVIRONMENTAL HOUSING PACKAGE

UniPak™

UniPak Component Table

Model Name	Camera	Camera	Camera	Camera	Camera	Lens	Lens	Lens	Housing	Housing
	SPT-M124 B&W	SPT-M324 B&W	SSC-DC134 Color	SSC-DC314 Color	SSC-DC334 Color	C-70306DCPS Auto Iris (3.5-8mm)	C-70308 Manual Iris (3.5-8mm)	13VG550-SQ Auto Iris (5-50mm)	Outdoor with Heater/Blower	Indoor without Heater/Blower
UNI-PM124A1	•					•				•
UNI-PM124A1HB	•					•			•	
UNI-PM124A2	•							•		•
UNI-PM124A2HB	•							•	•	
UNI-PM124M1	•						•			•
UNI-PM124M1HB	•						•		•	
UNI-PM324A1		•				•				•
UNI-PM324A1HB		•				•			•	
UNI-PM324A2		•						•		•
UNI-PM324A2HB		•						•	•	
UNI-PM324M1		•					•			•
UNI-PM324M1HB		•					•		•	
UNI-PC134A1			•			•				•
UNI-PC134A1HB			•			•			•	
UNI-PC134A2			•					•		•
UNI-PC134A2HB			•					•	•	
UNI-PC134M1			•				•			•
UNI-PC134M1HB			•				•		•	
UNI-PC314A1				•		•				•
UNI-PC314A1HB				•		•			•	
UNI-PC314A2				•				•		•
UNI-PC314A2HB				•				•	•	
UNI-PC314M1				•			•			•
UNI-PC314M1HB				•			•		•	
UNI-PC334A1					•	•				•
UNI-PC334A1HB					•	•			•	
UNI-PC334A2					•			•		•
UNI-PC334A2HB					•			•	•	
UNI-PC334M1					•		•			•
UNI-PC334M1HB					•		•		•	

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UniPak™

SPECIFICATION

BLACK & WHITE CAMERA	SPT-M124	SPT-M324
Image Pickup Device	1/3" Hyper HAD CCD	1/3" Exwave CCD
Active Picture Elements	510 X 492	768 X 494
Lens Mount	C/CS	C/CS
Signal System	NTSC Monochrome	NTSC Monochrome
Scanning System	525 lines, 2:1 interlace	525 lines, 2:1 interlace
Synchronization	AC Line Lock, 60Hz	AC Line Lock, 60Hz
V-Phase Control	± 90°	± 90°
Horizontal Resolution	380 TV Lines	570 TV Lines
Minimum Illumination	0.6 lux F1.2, 30 IRE	0.04 lux F1.2, 30 IRE
AGC	ON/OFF Selectable	ON/OFF Selectable
CCD Iris Range	1/60 ~ 1/100,000 sec.	1/60 ~ 1/100,000 sec.
Video Output	1 Vp-p @ 75 Ohms Sync Negative	1 Vp-p @ 75 Ohms Sync Negative
Video Signal to Noise	45dB (AGC OFF, Weight ON)	50dB (AGC OFF, Weight ON)
White Balance	Not Applicable	Not Applicable
Power Requirements	AC 24V ± 10%, 60Hz	AC 24V ± 10%, 60Hz
Power Consumption	2.5W	2.6W
Operating Temperature	14°F to 122°F	14°F to 122°F

LENS	M1 Series	A1 Series	A2 Series
Lens Mount	CS	CS	CS
Format	1/3"	1/3"	1/3"
Focal Length	3.5 – 8mm	3.5 – 8mm	5 – 50mm
Maximum Aperture	F1.4	F1.4	F1.4
Iris Range	F1.4 to Close	F1.4 to F200	F1.4 to F185
Angle of View (Horizontal)	Wide – 79.8° Tele – 35.4°	Wide – 78.5° Tele – 35.2°	Wide – 53.4° Tele – 5.3°
Angle of View (Vertical)	Wide – 58.8° Tele – 26.6°	Wide – 58.2° Tele – 26.4°	Wide – 40.1° Tele – 4.1°

HOUSING	All UniPak Models
Material	Extruded Aluminum
Environmental Spec	Complies with IP65 Standards
Endcaps	Lexan® Molded
Viewing Window Material	Clear Lexan
Camera/Lens Access	Side Hinged Opening to Allow Access
Wall Mount Bracket	High strength steel
	Outdoor UniPak Models
Blower Power Consumption	24V AC, input rectified, 1.4VA
Heater Power Consumption	24V AC, 1.04A; 25VA

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Fixed:
UniPak

UniPak Color/
Monochrome

Camera Number

Manual/
Auto
Iris Lens

Type of
Lens

Heater

Blower

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UNITIZED CAMERA/LENS/ENVIRONMENTAL HOUSING PACKAGE

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UniPak Color Models

SPECIFICATION:

Color CAMERA	SSC-DC134	SSC-DC314	SSC-DC334
Image Pickup Device	1/3" Super HAD CCD	1/3" Super HAD CCD	1/3" Exwave HAD CCD
Active Picture Elements	510 X 492	768 X 494	768 X 494
Lens Mount	C/CS	CS*	C/CS
Signal System	NTSC Color	NTSC Color	NTSC Color
Scanning System	525 lines, 2:1 interlace	525 lines, 2:1 interlace	525 lines, 2:1 interlace
Synchronization	AC Line Lock, 60Hz	AC Line Lock or Internal	AC Line Lock or Internal
V-Phase Control	± 90°	± 90°	± 90°
Horizontal Resolution	330 TV Lines	480 TV Lines	480 TV Lines
Minimum Illumination	0.45 lux F1.2, 30 IRE AGC ON, Turbo mode	0.7 lux F1.2, 30 IRE AGC ON, Turbo mode	0.4 lux F1.2, 30 IRE AGC ON, Turbo mode
AGC	Always Turbo	Always Turbo	Turbo / Normal / Off Selectable
CCD Iris Range	1/60 ~ 1/100,000 sec.	1/60 ~ 1/100,000 sec.	1/60 ~ 1/100,000 sec.
Video Output	1 Vp-p @ 75 Ohms Sync Negative	1 Vp-p @ 75 Ohms Sync Negative	1 Vp-p @ 75 Ohms Sync Negative
Video Signal to Noise	50dB (AGC OFF, Weight ON)	50dB (AGC OFF, Weight ON)	50dB (AGC OFF, Weight ON)
White Balance	ATW	ATW	ATW Pro/ATW
Power Requirements	AC 24V ± 10%, 60Hz	AC 24V ± 10%, 60Hz	AC 24V ± 10%, 60Hz
Power Consumption	4.0W	3.5W	4.5W
Operating Temperature	14°F to 122°F	14°F to 122°F	14°F to 122°F

LENS	M1 Series	A1 Series	A2 Series
Lens Mount	CS	CS	CS
Format	1/3"	1/3"	1/3"
Focal Length	3.5 – 8mm	3.5 – 8mm	5 – 50mm
Maximum Aperture	F1.4	F1.4	F1.4
Iris Range	F1.4 to Close	F1.4 to F200	F1.4 to F185
Angle of View (Horizontal)	Wide – 79.8° Tele – 35.4°	Wide – 78.5° Tele – 35.2°	Wide – 53.4° Tele – 5.3°
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Endcaps	Lexan® Molded
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Camera/Lens Access	Side Hinged Opening to Allow Access
Wall Mount Bracket	High strength steel
	Outdoor UniPak Models
Blower Power Consumption	24V AC, input rectified, 1.4VA
Heater Power Consumption	24V AC, 1.04A; 25VA

*C mount adaptor included

Supplied Accessories:

Cable Strain Relief Plugs (2)
Black Nylon Lock Nuts (2)
Security Hex Screws (2)
Security Hex Tool (1)
Wall Mount Bracket (1)
Operating Instructions Manual (1)

Distributed by

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