

**SONY®**

UNITIZED CAMERA/LENS/ENVIRONMENTAL HOUSING PACKAGE

# UniPak™ Unitized Camera Package

**UNITIZED  
CAMERA/ LENS/  
ENVIRONMENTAL  
HOUSING  
PACKAGE**

- High resolution Exwave HAD™ cameras
- Color and monochrome models:
  - UNI-PM324 Black & White (with SPT-M324 high resolution camera)  
Includes back-focused Vari-focal 3.5 to 8mm manual iris lenses
  - UNI-PM324HB Black & White (with SPT-M324 high resolution camera)  
Includes back-focused Vari-focal 5 to 50mm F1.4 DC auto iris lenses
  - UNI-PC334 Color (with SSC-DC334 high resolution camera)  
Includes back-focused Vari-focal 3.5 to 8mm manual iris lenses
  - UNI-PC334HB Color (with SSC-DC334 high resolution camera)  
Includes back-focused Vari-focal 5 to 50mm F1.4 DC auto iris lenses
- Tamper resistant camera housing lock down screws provided
- Polycarbonate wall mount bracket included – isolates camera from ground
- HB Models include AC 24V heater and blower





# UniPak™

## UNITIZED CAMERA/LENS/ ENVIRONMENTAL HOUSING PACKAGE

**B/W**

**UniPak  
PACKAGE**

**UNI-PM324 B/W High Resolution  
Exwawe HAD Camera**

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Manual Iris Lenses

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Wall Brackets

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Tamper Resistant Camera Housing



**COLOR**

**UniPak  
PACKAGE**

**UNI-PC334 COLOR High Resolution  
Exwawe HAD Camera**

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Manual Iris Lenses

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Wall Brackets

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Tamper Resistant Camera Housing



**B/W**

**UniPak  
PACKAGE**

**UNI-PM324HB B/W High Resolution  
Exwawe HAD Camera**

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Auto Iris Lenses

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Wall Brackets

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Tamper Resistant Camera Housing

AC24V Heater and Blower



**COLOR**

**UniPak  
PACKAGE**

**UNI-PC334HB COLOR High  
Resolution Exwawe HAD Camera**

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Auto Iris Lenses

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Wall Brackets

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Tamper Resistant Camera Housing

AC24V Heater and Blower



## UniPak INDOOR SPECIFICATIONS

CAMERA MODEL	SPT-M324 (B/W)	SSC-DC334 (COLOR)
Image Pickup Device	1/3" Exwawe IT CCD	1/3" Exwawe IT CCD
Active Picture Elements	768 X 494	768 X 494
Lens Mount	C/CS	C/CS
Signal System	EIA	NTSC
Scanning System	525 lines, 2:1 interlace	525 lines, 2:1 interlace
Synchronization	AC line lock, 60Hz	AC line lock or internal ± 90°
V-Phase Control	± 90°	± 90°
Horizontal Resolution	570 TV lines	480 TV lines
Minimum Illumination	0.04 lux F1.2, 30 IRE	0.4 lux F1.2, 30 IRE
AGC	ON/OFF selectable	Turbo 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 S/N	50dB (AGC OFF, Weight ON)	50dB (AGC OFF, Weight ON)
White Balance	N.A.	ATW Pro/ATW
Power Requirements	AC 24V ±10%, 60Hz	AC 24V ±10%, 60Hz
Power Consumption	2.6W	4.5W
Operating Temperature	14°F to 122°F	14°F to 122°F

### LENS SPECIFICATIONS

Lens Mount	CS	CS
Format	1/3"	1/3"
Focal Length	3.5 - 8mm	3.5 - 8mm
Maximum Aperture Ratio	F1.4	F1.4
Iris Range	F1.4 to close	F1.4 to close
Angle of View (horizontal)	Wide - 79.8° Tele - 35.4°	Wide - 79.8° Tele - 35.4°
Angle of View (Vertical)	Wide - 58.8° Tele - 26.6°	Wide - 58.8° Tele - 26.6°

### HOUSING SPECIFICATIONS

Material	Extruded aluminum	Extruded aluminum
Endcaps	Lexan® molded	Lexan® molded
Viewing Window Material	Clear Lexan®	Clear Lexan®
Camera/lens Access	Side hinged opening to allow access	Side hinged opening to allow access
Wall Bracket	Polycarbonate material	Polycarbonate material
Dimensions	15 1/4" x 4 1/2" x 4 1/2"	15 1/4" x 4 1/2" x 4 1/2"
Package Weight	5.5 lbs.	5.9 lbs.

## UniPak OUTDOOR SPECIFICATIONS

CAMERA MODEL	SPT-M324 (B/W)	SSC-DC334 (COLOR)
Image Pickup Device	1/3" Exwawe IT CCD	1/3" Exwawe IT CCD
Active Picture Elements	768 X 494	768 X 494
Lens Mount	C/CS	C/CS
Signal System	EIA	NTSC
Scanning System	525 lines, 2:1 interlace	525 lines, 2:1 interlace
Synchronization	AC line lock, 60Hz	AC line lock or internal ± 90°
V-Phase Control	± 90°	± 90°
Horizontal Resolution	570 TV lines	480 TV lines
Minimum Illumination	0.04 lux F1.2, 30 IRE	0.4 lux F1.2, 30 IRE
AGC	ON/OFF selectable	Turbo 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 S/N	50dB (AGC OFF, Weight ON)	50dB (AGC OFF, Weight ON)
White Balance	N.A.	ATW Pro/ATW
Power Requirements	AC 24V ±10%, 60Hz	AC 24V ±10%, 60Hz
Power Consumption	2.6W	4.5W
Operating Temperature	14°F to 122°F	14°F to 122°F

### LENS SPECIFICATIONS

Lens Mount	CS	CS
Format	1/3"	1/3"
Focal Length	5 - 50mm	5 - 50mm
Maximum Aperture Ratio	F1.4	F1.4
Iris Range	F1.4 to F185	F1.4 to F185
Angle of View (horizontal)	Wide - 53.4° Tele - 5.3°	Wide - 53.4° Tele - 5.3°
Angle of View (Vertical)	Wide - 40.1° Tele - 4.1°	Wide - 40.1° Tele - 4.1°

### HOUSING SPECIFICATIONS

Material	Extruded aluminum	Extruded aluminum
Endcaps	Lexan® molded	Lexan® molded
Viewing Window Material	Clear Lexan®	Clear Lexan®
Camera/lens Access	Side hinged opening to allow access	Side hinged opening to allow access
Blower Power Consumption	24V AC, input rectified, 1.4VA	24V AC, input rectified, 1.4VA
Heater Power Consumption	24V AC, 1.04A; 25VA	24V AC, 1.04A; 25VA
Wall Bracket	Polycarbonate material	Polycarbonate material
Dimensions	15 1/4" x 4 1/2" x 4 1/2"	15 1/4" x 4 1/2" x 4 1/2"
Package Weight	5.7 lbs.	6.2 lbs.

# SONY®

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