

TECHNICAL DATA SHEET

MD83 Series

Pixim Ultra High Resolution Day/Night WDR Mini Dome Cameras



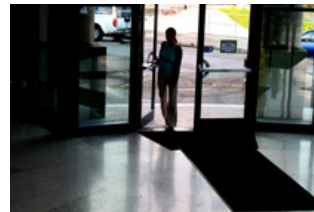
MD83SPX/12
MD83TSPX



MD83SPX/12/W
MD83TSPX/W



Powered by
PIXIM[®]
SEAWOLF



CCD



PIXIM

KEY FEATURES

- 1/3" PIXIM Seawolf CMOS Sensor
- Ultra High Resolution, 690 HTVL
- Vertical Resolution, 460+ VTVL
- Digital Day/Night (MD83SPX)
- Mechanical IR Cut-Filter (MD83TSPX)
- 3D Motion Adaptive Digital Noise Reduction
- Wide Dynamic Range (WDR)
- OSD Menu
- Selectable Gain Control
- Selectable White Balance
- Selectable Back Light Compensation
- Privacy Masking (12 Zones)
- Motion Detection
- 3-Axis Gimbal
- Built in UTP (MD83TSPX)
- DC 12V (MD83SPX)
- Dual Voltage (MD83TSPX)

ORDERING INFORMATION

MD83SPX/12	DDN Mini Dome, 690 HTVL, 2.8-10.5mm DC AIVF Lens, Black
MD83SPX/12/W	DDN Mini Dome, 690 HTVL, 2.8-10.5mm DC AIVF Lens, White
MD83TSPX	TDN Mini Dome, 690 HTVL, 2.8-10.5mm DC AIVF Lens, UTP, Black
MD83TSPX/W	TDN Mini Dome, 690 HTVL, 2.8-10mm DC AIVF Lens, UTP, White

Pixim provides a number of technical improvements in picture quality for viewing areas of extreme dynamic lighting conditions. The Pixim technology overcomes over exposure problems against strong back-light situations. As each pixel acts as a camera, the picture taken by one pixel does not affect the picture quality captured by other pixels. Based on this technology, the camera delivers a very high quality, high resolution and very accurate picture. Facial & object recognition in a variety of light conditions such as doorways, windows, shadows, high-contrast environment and outdoors with strong light reflections are easily achievable with the Pixim powered cameras

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TECHNICAL SPECIFICATION

Model Number	MD83SPX Series	MD83TSPX	MD83TSPX/W
Image Sensor	1/3" PIXIM Seawolf CMOS Sensor		
Horizontal Resolution (Effective)	690 HTVL (Col), 800 HTVL (Mono)		
Vertical Resolution	460+ VTVL		
Signal Processing	17-bit Digital Signal Processing		
Transfer Format	Progressive with Segmented Frames		
Lens	2.8-10.5mm DC AI Varifocal Lens (F1.2)	2.8-10mm DC AI Varifocal Lens (F1.2)	
Angle of View	H: 100.8° (Wide) 28.5° (Tele) V: 73.7° (Wide)~21.4° (Tele)		
Sensitivity (F1.2)	0.1 Lux (Col), 0.001 Lux (Mono)		
Digital Zoom	4x Zoom		
Effective Pixels (H x V)	758 x 540		
Electronic Shutter Speed	1/50 ~ 1/100,000 Sec		
Scanning System	2:1 Interlace		
S/N Ratio	>50dB		
Synchronisation	INT/LL Selectable		
Frequency	Horizontal: 15.625KHz Vertical: 50.00Hz		
Video Output	1.0Vp-p~75Ω		
Day / Night	COLOUR / AUTO / B&W	COLOUR / AUTO / B&W (ICR)	
O.S.D.	YES, BUILT-IN		
Gain Control	AUTO / HIGH / LOW / OFF SELECTABLE		
White Balance	ATW / AWB / INDOOR / OUTDOOR / MANUAL		
Back Light Compensation	BLC / OFF SELECTABLE		
3D-DNR	OFF / LOW / MIDDLE / HIGH		
Sens-Up	AUTO / OFF (Selectable limit x2 ~ x32)		
WDR	LOW / NORMAL / MIDDLE / HIGH		
Privacy Masking	ON / OFF (12 Programmable Zones)		
Motion Detection	ON / OFF (4 Zones)		
Flip	HORIZONTAL / VERTICAL		
UTP	NO	YES	
Operating Conditions	Temperature: -10°C ~ +50°C, Humidity: 95% RH		
Power Supply	DC 12V	DC 12V / AC 24V	
Power Consumption	Max. 160mA	360mA / 240mA	
Dimensions (D x H)	130 x 105 mm		
Weight	350g		

Features and specifications are subject to change for further improvement without any notice