SolsticeCam™
Wireless Solar Powered Camera Systems
SS-MFIC-900MHZ-P Series

SPECIFICATIONS

Model SS-MFIC-900MHZ-P

Camera housing	(IP65) Mobotix housing with SecureFlex mount: Made of 30% fiber-reinforced and shock resistant PBT
Pole Mast	20ft. x 4.5in. schedule 40 aluminum pole mast
Battery Enclosure	NEMA outdoor rated brushed aluminum lockable battery and electronics enclosure
Standard Solar Requirement	2.0 solar rating or higher
Standard Battery Backup	Minimum 5 days battery bank

(Hardware Features)	Standard Mobotix Camera:MXM12DN	(Software Features)	
Housing color	White	Motion JPEG/MxPEG Streaming	Yes/Yes
SecureFlex pole mount adapter	Fully conceals cabling	Custom exposure windows	Yes
Dual image sensors (two lenses)	2x1/2" CMOS, progressive scan	Video Motion Detection	Yes
Day/Night lens options	Super wide-angle L22, wide-angle L43, and Tele 135	Time & event control (FTP,email)	Yes
		Time tables with holidays	Yes
Serial interface	D Sub 15 HD	Web functionality (FTP, email)	Yes
Sensitivity	Color: 1 lux (1/60 s) .05 lux (1/1s)	Quad/MultiView in browser	Yes
	B/W: 0.1 lux (1/60 s) .005 lux (1/1s)	Recording/Playback in browser	Yes
Max image resolution	Color: 2048x1536 (3Mega),	Logo generator, animations	Yes
	B/W: 1280x960 (Mega)	Sing image recoring (pre-/post-alarm images)	10
Image format	2048x1536, 1280x960, 1024x768,	Terabyte ring buffer (Win/Lin/Mac) via network	Yes
	800x600, 768x576(D1), 704X576	Continous video/audio recording (0.2 to 30fps)	Yes
	(TV-PAL), 640X480, 384X288,	Video/audeo recording (event-triggered)	Yes
	352X288, 320X240, 160X120;	Event-controlled frame rate with continous audio	Yes
	free image format selection (e.g.	Bidirectional audio (IP) from/to browser	Yes
	1000x200 for skyline)	VoIP telephony (audio/video/SIP)	Yes
Pan/Tilt/Zoom	Continous 8xzoom&pan/tilt (digital)	Alarm calls to softphones (SIP) e.g. Xten	Yes
Max frame rate (M-JPEG live/rec.)	VGA:16fps, TV-PAL:12fps, Mega: 6fps, 3Mega:4fps	Remote alarm notification(via TCP/IP/IP Notify)	Yes
Video stream (MxPEG)	30fps, TV-PAL:24fps, Mega:14fps, 3Mega:10fps		
Image compression	MxPEG, -JPEG, JPG, H.263(Video-VoIP-Telephony)		
Internal DVR	Up to 32GB SD card (not included)		
External storage	Directly on NAS and PC/Server without additional recording software		
Software (inclusive)	Video-Management-Software MxEasy, control room software MxControlCenter		
Image processing	Backlight compensation, automatic white balance, image distortion correction, video sensor (motion detection		
Interfaces	ISDN,Ethernet 10/100 Mbps, RS232		
Audio/Telephony	Bidirectional, IP Telephony (VoIP)		

900MHz Transceiver   (Frequency options include 900MHz, 2.4GHz, 4.9GHz, 5.8GHz)

RF transmission	rate 1.536 Mb/s
Ethernet throughput	935 Kb/s
Output power +	21 dBm (4 Watts EIRP with 15dBi antenna)
Receiver sensitivity	-97dBm at 10e-4 BER (-112dBm with 15 dBi antenna)
Radio link budget	148dB with 15dBi antenna
Range	up to 50 miles Line of Sight with 15 dBi antenna
Radio channels/bandwidth	12 Non-overlapping with 2.0833MHz spacing and 1.75MHz occupied bandwidth
Automatic frequency select	Yes – radio channel automatically selected and adaptively optimized
Connector types	RF RPSMA Female / Ethernet RJ45 10BaseT / Power Jack P5-2.1mm ID
Status LEDs	Power, RF Link, Ethernet Link, Traffic, RF RX, RF TX, 4/Channel and 6/Link Quality
Error correction technique	Sub-block error detection and retransmission
Adjacent-band rejection	SAW receiver filter attenuates cellular and pager interference
Regulation type	Switching Regulator