

SolsticeCam™

Wireless Solar Powered Camera Systems

SS-MFIC-20MILE-P Series



SPECIFICATIONS

Model SS-MFIC-20MILE-P

Construction	Weatherproof Structure with Sunshield Protection
Pole	4.5 in. diameter schedule 40 aluminum pole at 20 ft
Enclosure	NEMA rated aluminum weatherproof enclosure
Solar Requirement	2.0 solar sating or higher
Solar Output	12V DC with 5 day no-sun backup

(Hardware)	Robotix M12D-IT-DNight	(Software Features)	
Outdoor weatherproof (IP65)	IP65	Motion JPEG/MxPEG Streaming	Yes/Yes
Ethernet, ISDN,USB,RS232	E/I/-/R	Custom exposure windows	Yes
SD card	1	Video Motion Detection	Yes
Microphone/speaker	M/S	Time & event control (FTP,email)	Yes
Mono (M) / Dual (D)	D-Night	Time tables with holidays	Yes
Image Sensor	Color & BW	Web functionality (FTP, email)	Yes
Standard lens	Wide angle L43, Tele 135	Quad/MultiView in browser	Yes
Image size	VGA	Recording/Playback in browser	Yes
Resolution horizontal x vertical	640x480	Logo generator, animations	Yes
Max. frame rate CIF/VGA/Mega	30/30/-	Sing image recoring (pre-/post-alarm images)	10
Sensitivity at 1/60 second (Lux)	0.005	Terabyte ring buffer (Win/Lin/Mac) via network	Yes
Automatic night lens switch	Yes	Continous video/audio recording (0.2 to 30fps)	Yes
Storage (MB)	64	Video/audeo recording (event-triggered)	Yes
Video ring bugger (MB)	32	Event-controlled frame rate with continous audio	Yes
CIF images approx.	2000	Bidirectional audio (IP) from/to browser	Yes
VGA images approx.	1250	VoIP telephony (audio/video/SIP)	Yes
External audio (Line-In/Out)	Yes	Alarm calls to softphones (SIP) e.g. Xten	Yes
Switch/signal input pins	1/2	Remote alarm notification(via TCP/IP/IP Notify)	Yes
Switch/signal output pins	1/2		
Concealed cabling	Yes		

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

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