

MicroPower Helios™ IR Camera

Product Datasheet | MPT-C20S-0311-IR | MPT-C20S-0340-IR



MICROPOWER
TECHNOLOGIES

Product Highlights

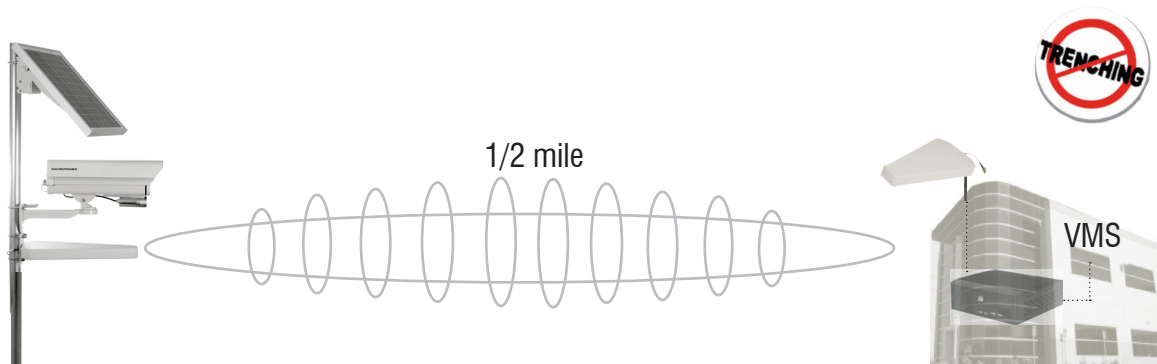
- 100% Solar powered IR day/night camera
- IR Illumination up to 150 feet
- Ultra-low power design consumes less than 1 watt of power
- Secure digital communication up to 1/2 mile with an option to extend to up to 2 miles
- Internal battery provides 5 days of continuous back-up power
- Compatible with most VMS software packages
- Rapid installation and camera relocation



The MicroPower Helios IR camera is the next generation of solar wireless surveillance. This ultra-low power day/night camera captures and transmits IR illuminated images wirelessly up to 1/2 mile, allowing the flexibility to place cameras where most needed without incurring additional costs for trenching for data or power cables.

By incorporating an IR illuminator designed specifically for outdoor solar wireless operation, the Helios™ IR Camera consumes less than 1/10th of the power of an industry standard IP camera and transmits data wirelessly— all powered by solar energy.

The Helios™ IR surveillance system is easy and quick to install, which minimizes deployment time and reduces business disruption. Leveraging existing infrastructure, the end user has the flexibility to place cameras where they are needed most.



Helios™ IR Camera System Specifications



Helios™ Camera | MPT-C20S-0311-IR/MPT-C20S-0340-IR



Helios™ Hub | MPT-H10HA

	Camera MPT-C20S-0311-IR MPT-C20S-0340-IR	Hub MPT-H10HA
Physical	<ul style="list-style-type: none"> Camera size: 15.55"x5.71"x6.89" (39.50cm x 14.50cm x 17.50cm) Camera weight: 7.1lbs (3.22kg) Auxiliary solar panel size: 15.35" x 14.21" x .98" (39.00cm x 39.61cm x 2.50cm) Auxiliary solar panel weight: 7.0lbs (3.17kg) Antenna weight: 2.4lbs (1.10kg) 	<ul style="list-style-type: none"> Hub size: 9.01" x 2.78" x 7.87" (22.80 cm x 7.05cm x 19.98cm) Hub weight: 4.40lbs (1.99kg) Antenna size: 8.27" x 15.55" x 1.44" (21.00cm x 39.50cm x 3.65cm) Antenna weight: 2.4lbs (1.10kg)
Environment	<ul style="list-style-type: none"> Operating temperature: -40°C to 50°C (-40°F to 122°F) Charging temperature: -20°C to 50°C (-4°F to 122°F) IP66 Compliant Weatherized antenna assembly 	<ul style="list-style-type: none"> Operating temperature: 0°C to 50°C (32°F to 122°F) Fanless housing: Thermal convection cooling
Technology	<ul style="list-style-type: none"> TrustLinX™ secure digital radio frequency: 2.4GHz and 900MHz Range: 1/2 mile range (2 mile option with additional equipment) Imager: 1/4" SOC VGA CMOS Lens: standard CCTV CS thread (2.8-11mm standard, 10-40mm varifocal telephoto option) 	<ul style="list-style-type: none"> TrustLinX™ secure digital radio frequency: 2.4GHz and 900MHz Range: 1/2 Mile (2 mile option with additional equipment) Up to 4 cameras per hub
Video	<ul style="list-style-type: none"> 5fps each camera, continuous 24/7 Operation VGA (640x480) Video data securely transmitted to hub for IP distribution to VMS devices 	<ul style="list-style-type: none"> Video streams via ethernet MJPEG / Video Streams RTSP and HTTP Up to 4 Cameras per hub Compatible with all IP based VMS software packages
Power	<ul style="list-style-type: none"> Solar charged internal Lithium Ion battery operates camera up to 5 days in complete darkness 24/7/365 Operation with solar cell power 3/4 1 Watt power consumption 	<ul style="list-style-type: none"> Transformer: 100VAC ~ 240VAC (DC 20V@4.5A Output) 15 Watt power consumption
IR Illumination	<ul style="list-style-type: none"> IR Range up to 150 ft 15 or 45 degree illumination cone Independent ambient light sensor detects environmental light 	<ul style="list-style-type: none"> Adjustable IR threshold feature
Included Accessories	<ul style="list-style-type: none"> Directional antenna, one solar panel, embedded Lithium-ion battery, mounting brackets, installation guide 	<ul style="list-style-type: none"> Directional antenna, 50ft RF low loss outdoor cable, mounting brackets Set up & diagnostics software tool
Part Numbers	<ul style="list-style-type: none"> Helios IR Camera, 45° cone: MPT-C20S-0311-IR Helios IR Camera, 15° cone: MPT-C20S-0340-IR Additional Solar Panel: MPT-KSOL 	<ul style="list-style-type: none"> Hub: MPT-H10HA

Part #	Lens	IR Cone	IR Distance
MPT-C20S-0311-IR	2.8-11mm	45°	100 ft
MPT-C20S-0340-IR	10-40mm	15°	150 ft