

Technical Specifications



Video (Standard Configuration)	
Technology	IP Camera HDTV (720p)
Light sensitivity	1.2 – 10000 lux
Shutter Speeds	1/6 to 1/24500s
Video Compression	H.264, MPEG4, MJPEG
Resolution	1280x720 to 320x180
Frame rate	30 fps
Image settings	Compression, color, brightness, sharpness, contrast, white balance, exposure control, exposure zones, backlight compensation, fine tuning of behavior at low light, text and image overlay, privacy masking
Security	Password Protection, IP address filtering
Internal memory	256MB Ram, 128MB flash
External memory	MicroSD 32g
Temperature Range	-30c to 50c
Power	Power over Ethernet IEEE 802.3af Class 2 (max 6.49W), 8 to 28v DC Max 4.7W
Options	Other video technologies can be configured and utilized depending on the application requirements

Wireless Communication	
Wireless interface	IEEE 802.11 A/B/G/N
Security and encryption	WPA2-PSK, Digital certificates, 802.11i, 128/256 bit end-to-end AES, MAC address filtering, Digitally signed firmware files
Rating	IP67
Power	DC Input 48V, 0.63A powered via 802.3at POE PSE. DS Adaptor 15vdc/1.3A. Power consumption: 11.925w Typical
Operating temperature	-40c to +60c. Humidity (non-condensing) 10% to 90%
Distance	+10km with clear line of sight

Tower Structure	
Pole	Galvanized metal
Height	3m, 5m, 8m
Solar panels	2 x 135w/24v at 13% efficiency
Batteries	200Ah (2 x 100) deep cycle. No maintenance,
Wind turbine	100 watt vertical axis (80 rpm). No noise, no maintenance
Controller	24v/10A. Micro intelligent Controller.
Available power	60 watts for other equipment



Hybrid wind and solar power autonomous station for surveillance and safety

Public, industrial and mining industry

AUTHORIZED DISTRIBUTOR :



Ontario:
Mississauga and Ottawa

Québec:
St-Laurent

Www.Protect-ip.ca
1-855-384-1040



Protection and surveillance

TECHNOLOGY, NOW!

Protect-IP Global Solutions provides an innovate and robust solution to protect remote sites through video surveillance and wireless communication. The RPT is designed to withstand and perform in the harshest environments, i.e. construction sites, mining and oil operations and any location where power and communication presents a real challenge. The RPT is a self sustained autonomous station which supports IP66 rated equipment like, overhead lighting, security cameras, wireless communications, weather monitoring sensors and much more.

CUSTOM APPLICATIONS

Engineered to fit each application, the RPT can be configured to produce additional power to support other onsite equipment used to monitor and control your operation, i.e. industrial sensors to collect real-time information like pressure, temperature, humidity, flow rates, etc. You can also trigger events like opening a valve, or to switch ON circuits remotely ...The Power of Automation Anywhere !



ADDITIONNAL EQUIPEMENT

- IMAGE CAPTURE
- VIDEO RECORDING
- MOTION DETECTION
- BI-DIRECTIONAL VOICE COMMUNICATION
- OVER HEAD LIGHTING
- WIFI COMMUNICATION
- AUTOMATION
- REMOTE MONITORING OF EQUIPMENT WITH INDUSTRIAL SENSORS
- AND MORE ...

Remote Real-time Information made Possible

OPTIONAL WIRELESS COVERAGE

Our wireless mesh topology can provide WIFI communication for an area of 250 km². Backhaul communication within each station can support up to 300mbps while offering seamless local WIFI communication up to 50mbps

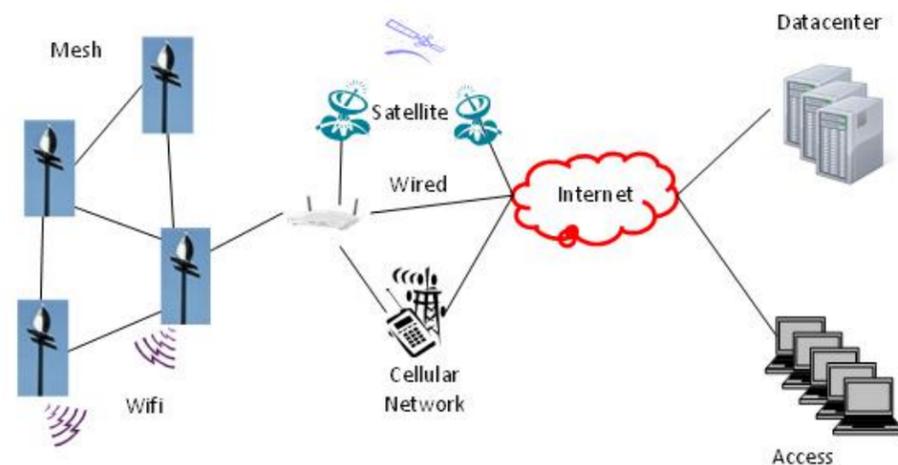
NETWORK SECURITY

Network communications is fully protected with highly secure encryption. A single station links the wireless network back to your local network infrastructure or to the internet where only you have access to the data.

ADDITIONAL POWER

The station is self-powered by two types of renewable energy, wind and solar. A bank of batteries situated within the structure stores the energy for use when there is no sunshine or wind. The standard configuration allows the system to function for over a 3 day period without any renewable energy being produced. Additional energy storage capacity can be configured to allow for more days of operation during these periods.

TOPOLOGY



INTEGRATION

Protect-IP offers a seamless integration with all of your security systems. Most importantly, we incorporate business processes and integrate with technologies.



WEB SOLUTIONS

No need to deploy costly and heavy software across a network. Protect-IP web solutions can be used on a multitude of platform: PC, Laptop, Apple and Android tablets, and smart phone.



EASY AS 123

You know how to use internet... You know the system.

