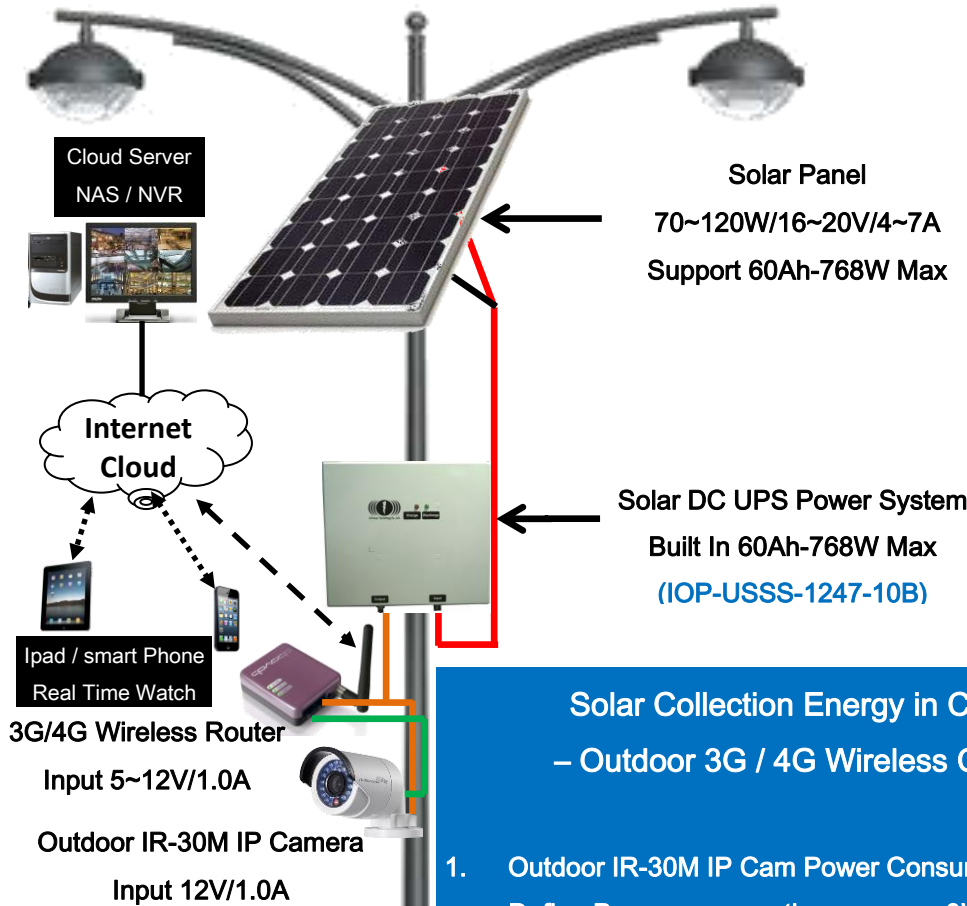




Outdoor 3G / 4G Wireless Cloud Surveillance System with 『Solar DC UPS Power System』



Solar Collection Energy in Cloudy & Rainy day model – Outdoor 3G / 4G Wireless Cloud Surveillance System

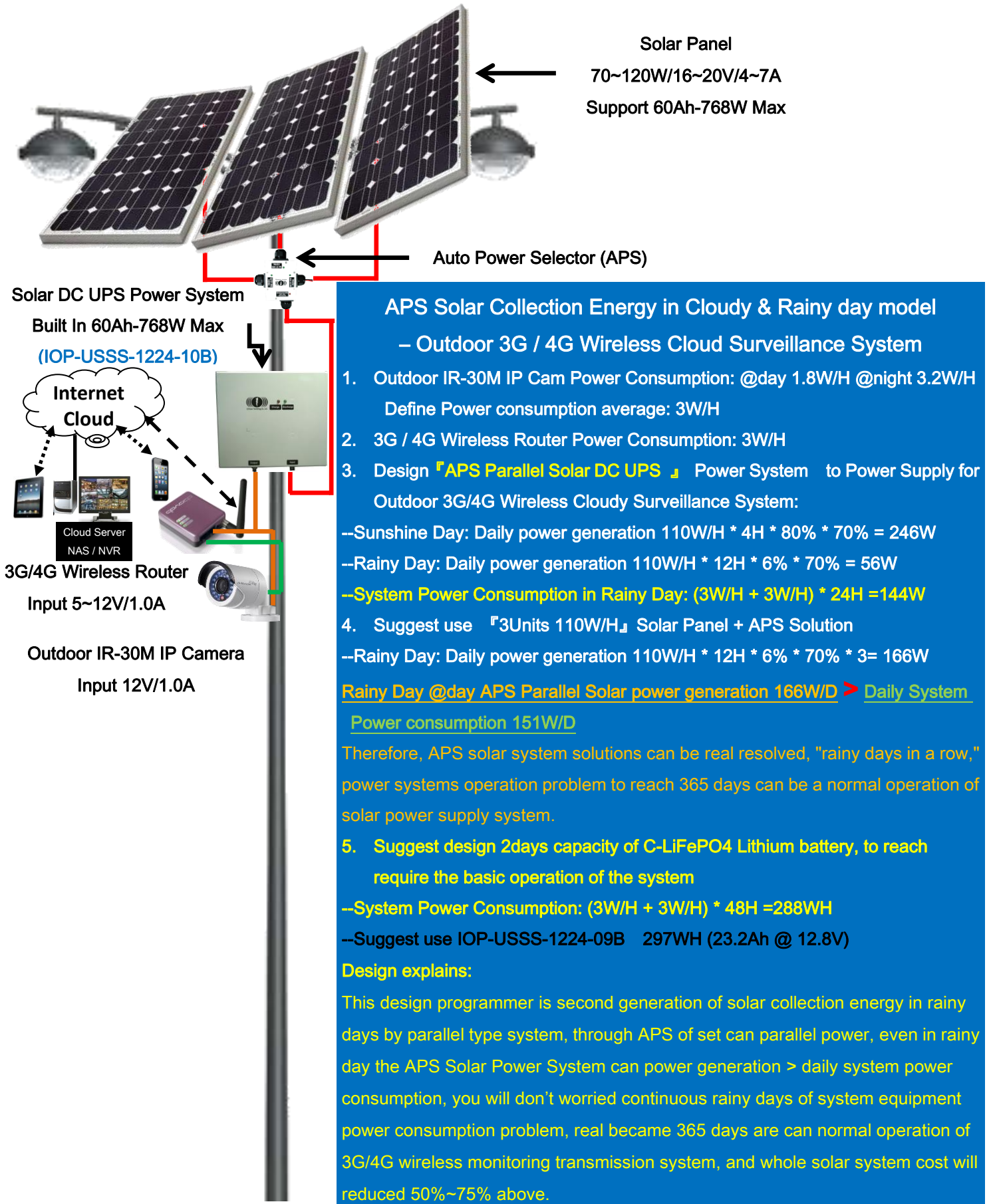
1. Outdoor IR-30M IP Cam Power Consumption: @day 1.8W/H @night 3.2W/H
Define Power consumption average: 3W/H
2. 3G / 4G Wireless Router Power Consumption: 3W/H
3. Design 『Rainy days 4 days in a row』 Solar DC UPS Power System to Power Supply for Outdoor 3G/4G Wireless Cloudy Surveillance System:
 - $(3W/H + 3W/H) * 24H * 4D = 576WH$
 - $576WH / 12.8V = 45Ah$
 Suggest use DC UPS IOP-USSS-1247-10B 594WH (46.4Ah @ 12.8V)
4. Set up Solar Panel Calculation (define sunshine in 5hrs and one day full charge)
 $594W / 5H = 119W/H$
 Suggest use Solar Panel IOP-OSPMC-110176401 110W/17.05V/6.46A

Design explains:

This design for rainy first generation solar collector system, has 30% more than the average solar system power efficiency, but only design "4 days for a rainy day" system that is required to use 46Ah C-LiFePO4 Lithium battery capacity, if the design is "continuous rainy days 10 days" system, the entire solar system costs would be staggering.



Outdoor 3G / 4G Wireless Cloud Surveillance System with 『APS Parallel Solar DC UPS Power System』

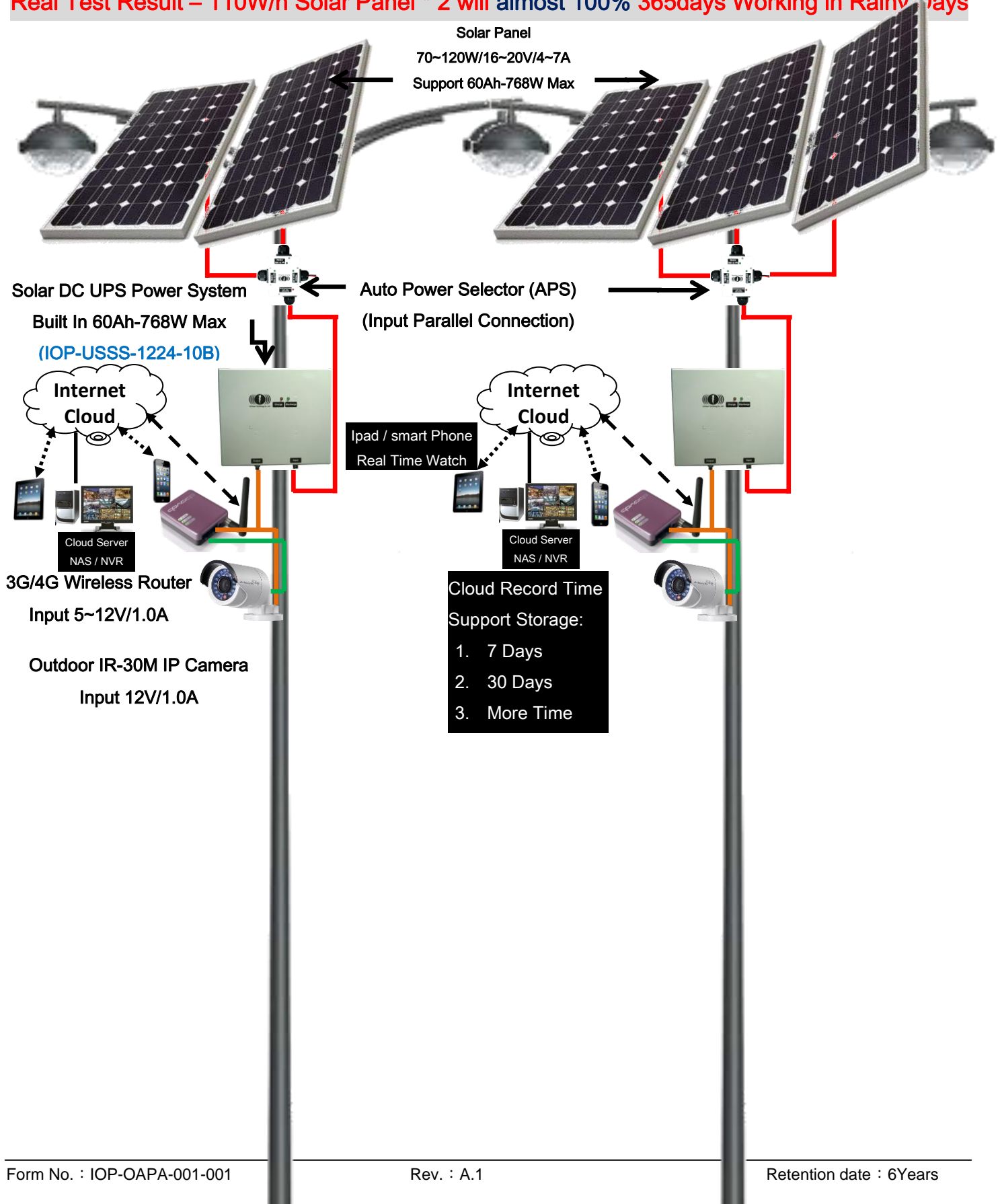




Outdoor 3G / 4G Wireless Cloud Surveillance System with 『APS Parallel Solar DC UPS Power System』



Real Test Result – 110W/h Solar Panel * 3 will 100% 365days Working in Rainy Days

Real Test Result – 110W/h Solar Panel * 2 will almost 100% 365days Working in Rainy Days





代理銷售 Skywatch (行品公司) 雲端錄影監控系統 銷售價格表

Product Line	Image	Product Model	Product Description ENG	Camera + Cloud	Cloud Storage / 月			7天 2年	Cloud Storage / 月			30天 2年
				只觀看 Only Watch	7天	年費	1年 合計	總費	30天	年費	1年 合計	總費
ToughCam 專業戶外槍型 網路攝影機		ToughCam 1.0	1.硬體: 影像元件 1.3 百萬畫素 1/3" CMOS Sensor 1280 × 960P 鏡頭視角: 73° (水平) 紅外線光源 30 顆, 有效距離約 10 至 30 公尺 電源 12V DC, 最大 7W / 乙太網路供電 (PoE 802.3af) 操作環境溫度: -30°C ~ 60°C (-22°F ~ 140°F) 防水等級: IP66 產品認證 CE, FCC 產品保固 24 個月 2.影像: 壓縮格式 H.264, MJPEG 影格速率 H.264: 最高可達 30 FPS at 1280 × 960 (60Hz) H.264: 最高可達 25 FPS at 1280 × 960 (50Hz) 3.網路功能: 連線 10/100 Mbps 乙太網路 4.軟體支援: Skywatch 雲端平台相容於 Skywatch 雲端服務免費收看即時影像 帳戶管理及遠端攝影機設定(即時影像若需伺服器橋接: 30 分鐘離線) 5.外觀: 60.4 × 79.6 × 139.3 mm (L × W × H) 6.重量: 淨重 500 g	8200	300	3060	11260	13960	800	8160	16360	23560
ToughDome 專業戶外半球型 網路攝影機		ToughDome 1.0	1~4 項與上列相同 5.外觀尺寸: 111 × 111 × 82 mm (L × W × H) 6.重量: 淨重 500 g	8200	300	3060	11260	13960	800	8160	16360	23560