Smart IOT lighting pole

Features

Smart city support

- Remotely, scheduling and digitally LED light brightness dimming
- Weather station functioning, PM2.5, PM10, temperature humidity measurement.
- 4G/5G NBIOT and WIFI communication support with cloud based backend management system.
- Support future expansion as WIFI or 5G hotspot
- LED/LCD Digital signage optional
- Panoramic IP camera optional
- Interactive Speaker and microphone optional
- Emergency push button optional

Simple, ruggedness design

- All industrial grade component implemented.
- Design for tough environment, IP 54 protection degree
- Cooling and ventilation for longer life time of components
- Easy Installation & Service, serviceable door allows easy access to components. DINRAIL grip design for quick MTTR.
- Build-in Battery back-up to prevent system failure from power outage so that the pole status can be monitored at always.

Highly integration

- Cloud based management helps to keep availability to manage and control at all time by PC or Mobile device.
- LAN, Fiber optics, 4G/5G or WIFI network connection are all available to connect so that no need special design for networking.

Datacenter Telecom Industrial Network Banking

Security Lab Medical Metro

DELTA

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Smart IOT lighting pole

Edge pro LED lighting

The Edge Pro Series mini size streetlight covers 25W to 60W with 2 programmable PSUs. The mini streetlight offers a unique ID and built-in tilt angle structure with wide range installation pole diameter, maximum ø75mm for post-up and ø60mm for side entry installation. Offers adjustable mounting angle (0 °, 5 °, 10 °) with side-entry and post-up installation. The Edge Pro series is suitable for parks and sidewalks.

Features & Benefits

- Modularized design in optics, thermal dissipation and electrical components for easy upgrade
- Selections of light distribution and color temperature to fulfill diverse requests
- Life span of LEDs used in the Luminaire is more than 50,000 hours at 70% light output
- Meets 3G vibration level per ANSI C136.31-2010 and 17 grade wind pressure test
- Die cast aluminum offers very low copper-content and high corrosive resistance
- The integrated rotating spigot takes a diameter of up to 60mm for side entry mounting and up to 76mm for post-top mounting
- Installation angle can be tilted by 0° and 5° with side entry mounting and -5°, 0°, 5°, and 10° with post-top mounting
- 10KV/10KV surge protection capability for luminaires
- DeltaGrid wireless streetlight control and APPs are available for installation, management and maintenance

Smart IOT lighting pole

Precision Weather Station

Features

- MWDA can measure temperature, moisture, PM2.5 and PM10.
- Compact size and easy for installation.
- Standard industrial RS485 output with Modbus command list.
- LSLink website available is available to show reading on graphic window below.

Application
- A mini weather station for smart city application
- Ratings
- Input voltage is 12~36Vdc and a AC-DC adapter include in package.
- Operating temperature is -10°C~60°C. / 0~95%RH
- Power consumption is less than 1W.
- SGS CE Certified

Construction and Material
- UV stabilized PC cover and aluminum base.
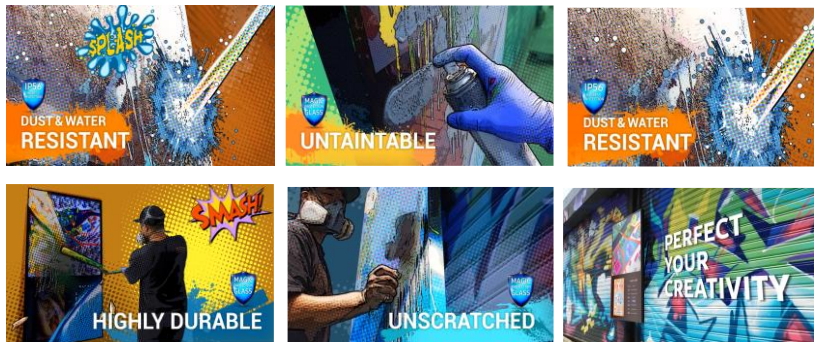- Meet 3G vibration level per ANSI C136.31-2010.

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Ultra Durable Outdoor Display

Features

- Ultra-high brightness (3,000 nit) with an auto brightness sensor for visibility in ambient light conditions
- Magic Protection Glass for protecting screen from reflection and scratches
- IP56-certified outdoor displays for high endurance against external impact such as heat, rain, snow and dust
- Reliable 24/7 operation in a wide range of temperatures from -30°C to 50°C through Steady Cooling System
- All-inclusive outdoor signage solutions that simplify installation and reduce Total Cost of Ownership (TCO)

Specification

Diagonal Size	46"
Type	S-VA
Resolution	1920*1080 (Full HD)
Pixel Pitch(mm)	1018.08 x 572.67
Active Display Area(mm)	1018.08(H) x 572.67(V)
Brightness(Typ.)	3000 nit
Contrast Ratio	5000:1
Viewing Angle(H/V)	178/178
Response Time(G-to-G)	6ms
Display Colors	8 bit - 16.7M
Color Gamut	72%
Operation Hour	24/7
Haze	0%

Smart IOT lighting pole

Panoramic Video Surveillance

S series

MA9321-EHTV

20MP, Adjustable Views, 3.7~7.7mm, Day/Night, SNV

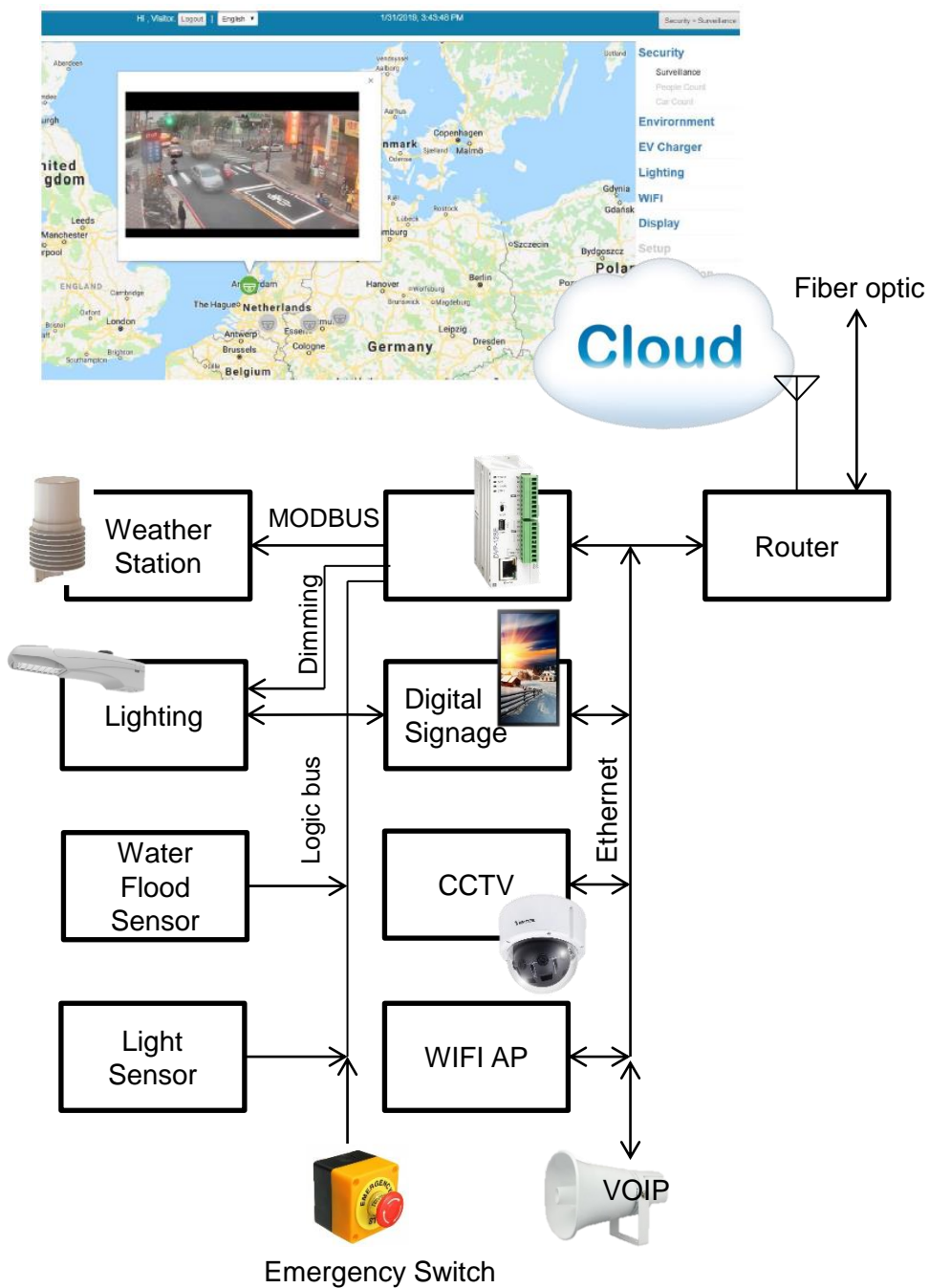| Remote Focus | SNV | WDR Pro | Smart Stream III | Vandal-proof | Extreme Weather Proof |

Features

- 20-Megapixel Total Resolution
- 4 Independent Sensors, Adjustable Views
- 30 fps (2688x1920) per Sensor
- Remote Focus
- H.265 Compression Technology
- Removable IR-cut Filter for Day & Night Function
- Smart Stream III to Optimize Bandwidth Efficiency
- SNV (Supreme Night Visibility) for Low Light Conditions
- WDR Pro for Optimal Image Quality in High Contrast Environments
- Weather-proof IP66-rated and Vandal-proof IK10-rated Housing
- Trend Micro IoT Security

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System Diagram

Delta Cloud Management system

Smart IOT lighting pole

Operational Specification

Parameter	Basic Configuration	Standard Configuration	Advance Configuration
Components	- LED Lighting 60W - Weather Station 4G router - Water Flood Check	- LED Lighting 60W - Weather Station 4G router - Water Flood Check - IP Camera - Digital Signage	- LED Lighting 60W - Weather Station 4G router - Water Flood Check - IP Camera - Digital Signage - WIFI Hotspot - VOIP Microphone and speaker - Emergency Button
Power Consumption (W)	98	595	630
Input Voltage Range	90Vac to 264Vac, Single Phase		
Input Frequency	45Hz to 65Hz		
Operating Temperature	0°C to 75°C	0°C to 50°C	0°C to 50°C
Operating Humidity	5%RH to 95% RH	5%RH to 95% RH	5%RH to 95% RH

Mechanical Dimension