# VIVOTEK

# Empower Your IP Surveillance with VIVOTEK's Comprehensive PoE Solution

**PoE Solution**
Long-range and smart delivery

**Outdoor Solution**
Reliable and easy to install

**Enclosure**
Unified design and multi-function

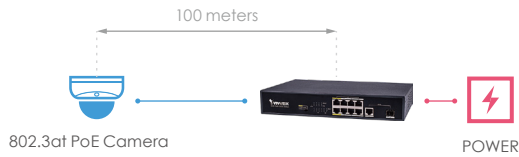**IR Illuminator**
Greater night vision and multiple FOV

## PoE Solution - Unmanaged PoE Switch

### AW-FET-060C-065/100C-120
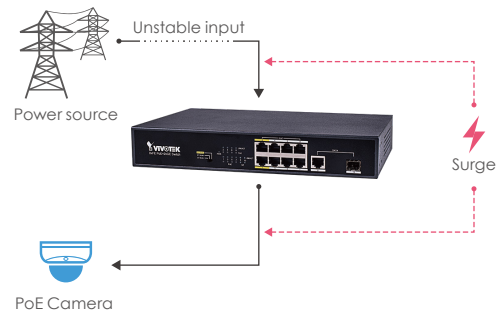### AW-FGT-100C-120/180C-250
### AW-FGT-260C-380

- PoE output Max. up to 30W
- Surge protection up to 12KV
- Extend PoE up to 200m on one single cable

• **ST Mode**

100 meters

802.3at PoE Camera

POWER

• **EX Mode**

200 meters

802.3at PoE Camera

POWER

• **Surge Protection**

Unstable input

Power source

Surge

PoE Camera
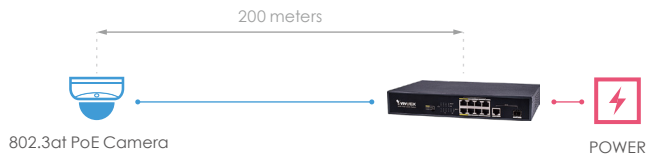
## PoE Solution - VivoCam L2+ PoE Switch

### AW-GEV-107A-130
### AW-GEV-267A-370

- Visualized topology view with smart IP surveillance management
- Seamless integration with all VivoCam switches and VIVOTEK cameras
- Trouble shooting and cable diagnostics
- PoE on/off remote control
- Discovery ONVIF supported IP cameras

• **Topology View for IP Surveillance**

• **Cable Diagnostics for Trouble Shooting**

# PoE Solution - PoE Extender

## AP-FXC-0110/0210
## AP-FXC-0160/0260

- Support to receive up to 95W PoE power from PSE
- Distance up to 300m with two devices cascaded
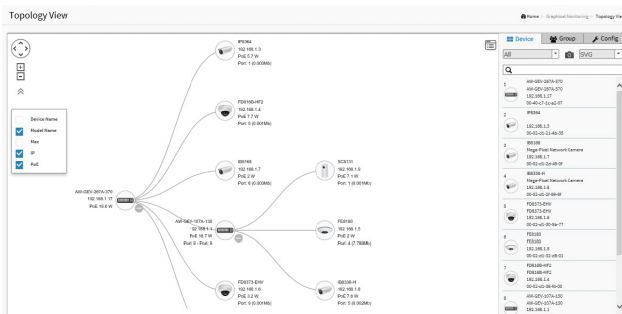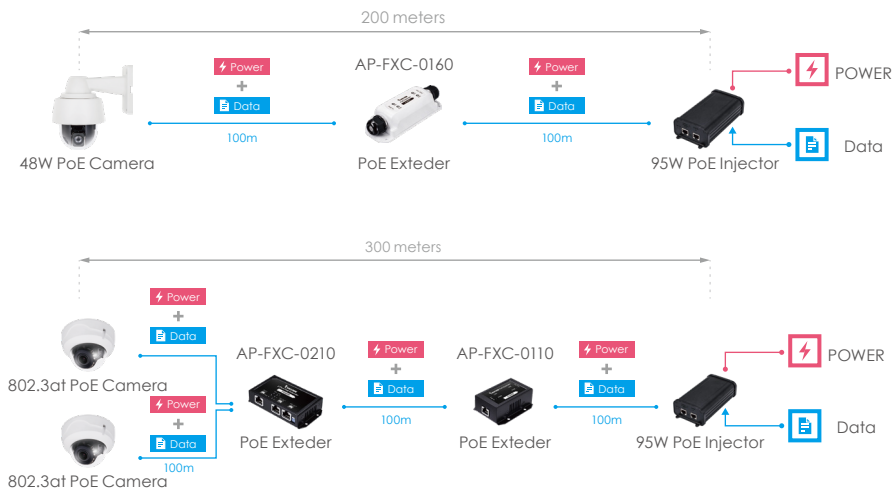- Water proof IP67 and vandal proof IK10 rated housing (outdoor models)
- Wide temerature support (outdoor models)
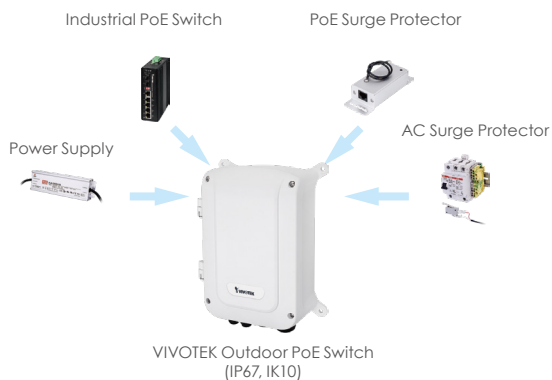
### • PoE Extender for Long Range Solution

```
                         200 meters
  ┌──────────────────────────────────────────────────┐
                  ⚡Power          AP-FXC-0160    ⚡Power
                     +                              +
                  📄Data                         📄Data        ┌── ⚡ POWER
                   100m                            100m        │
  48W PoE Camera           PoE Exteder                95W PoE Injector
                                                              └── 📄 Data
```

```
                         300 meters
  ┌──────────────────────────────────────────────────┐
        ⚡Power
           +
        📄Data
                    AP-FXC-0210    ⚡Power   AP-FXC-0110   ⚡Power
  802.3at PoE Camera                  +                      +
                                   📄Data                 📄Data      ┌── ⚡ POWER
        ⚡Power                      100m                   100m       │
           +
        📄Data         PoE Exteder          PoE Exteder      95W PoE Injector
         100m                                                        └── 📄 Data
  802.3at PoE Camera
```

# Outdoor Solution - Outdoor Unmanaged PoE Switch

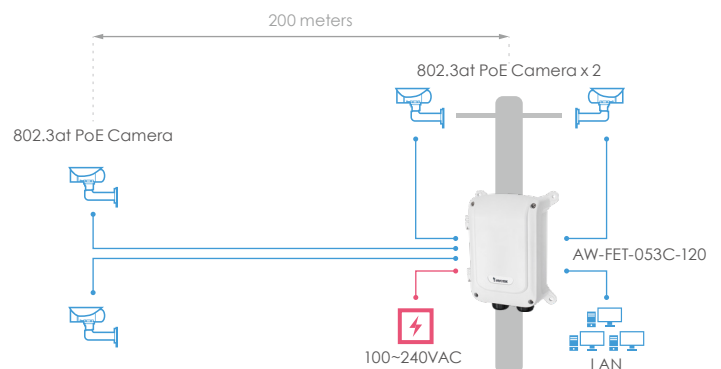## AW-FET-053C-120
## AW-FGT-103C-250

- Water proof IP67 and vandal proof IK10 rated housing
- AC surge protection up to 10KV/40KV
- PoE Port surge protection up to 12KV
- Extend Mode up to 200m on one single cable

### • Plug-n-Play Installation with All-in-One Device

```
  Industrial PoE Switch      PoE Surge Protector

                              AC Surge Protector
  Power Supply

              VIVOTEK Outdoor PoE Switch
                    (IP67, IK10)
```

### • EX Mode for Long Range Solution

```
                    200 meters
  ┌──────────────────────────────────────┐
                              802.3at PoE Camera x 2

  802.3at PoE Camera
                                                AW-FET-053C-120

                              ⚡
                         100~240VAC            LAN
```
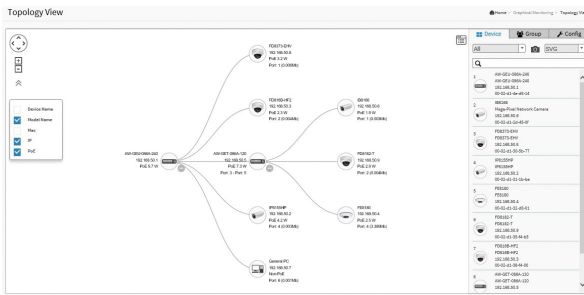
# Outdoor Solution - Outdoor VivoCam L2+ PoE Switch
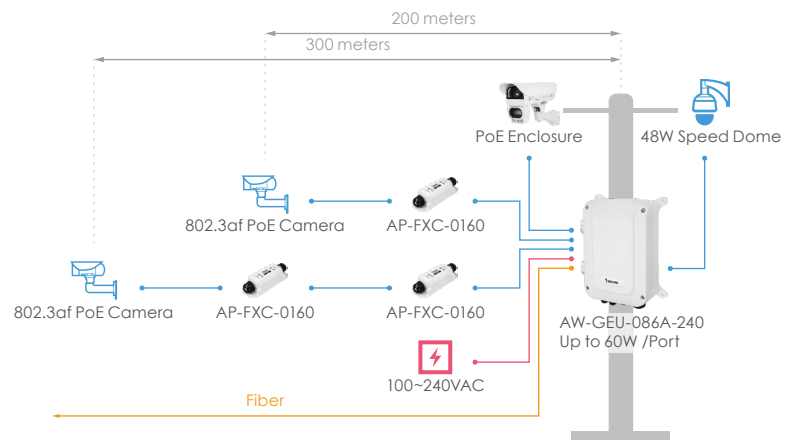
## AW-GET-086A-120/126A-240
## AW-GEU-086A-240

- Water proof IP67 and vandal proof IK10 rated housing
- Visualized topology views with smart IP surveillance management
- Seamless integration with all VivoCam switches and VIVOTEK cameras
- Trouble shooting and cable diagnostics
- PoE on/off remote control
- Discovery ONVIF supported IP cameras

**• Topology View for IP Surveillance**

**• Outdoor Long Range PoE Solution**



200 meters
300 meters

PoE Enclosure          48W Speed Dome

802.3af PoE Camera          AP-FXC-0160

802.3af PoE Camera     AP-FXC-0160     AP-FXC-0160

AW-GEU-086A-240
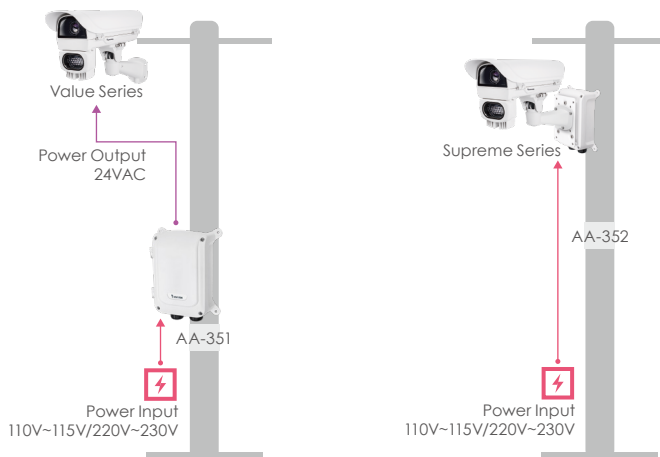Up to 60W /Port

100~240VAC

Fiber

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# Outdoor Solution - Power Box

## AA-351
## AA-352

- 24VAC/6A power output
- Water proof IP67 and vandal proof IK10 rated housing
- Wide temperature support

**• Power Supply for Outdoor Solution**



Value Series

Power Output
24VAC

AA-351

Power Input
110V~115V/220V~230V

Supreme Series

AA-352

Power Input
110V~115V/220V~230V

| Support Model |
|---|
| Enclosure |
| **Value Series: AE-238, AE-243**<br>**Supreme Series: AE-23A, AE-23B, AE-23C, AE-23D** |
| Cameras |
| **SD9361-EHL, SD9362-EH(L), SD9365-EHL, SD9366-EH(L),**<br>**IP816A-LPC-v2 Kit** |

# AE-23A/23B/23C
# AE-23D/23E/23F

- Water proof IP66/IP68 and vandal proof IK10 rated housing
- Wide temperature support (AE-23C/D)
- Power input for AC & PoE
- Snap in IR illuminator with variable field of view from 10° ~ 40° and viewing range up to 250m
- Adjustable beam angle by RS485 remotely via camera web UI

- **Unified Design and Multi-function Outdoor Enclosure for All Applcations**

**Window heater and wiper to remove snow, ice or rain**

120m    30°

250m    10°

**VAIR remotely via web UI**

**Snap-in IR LED**

**Opening alarm**

**Aluminum housing with water and vandal proof**

**Heater and blower for wide temperature**

**Safety wire**

City

Campus

Factory

Traffic Monitoring

# IR Illuminator - CaMate

## CM48 Series
## CA80 Series

- Variable field of view 10° ~ 180°
- Adjustable beam angle up to 350m
- Adjustable light sensitivity via RS485 command
- Water proof IP68 and vandal proof IK10 rated housing
- Control beam angle and IR power via RS485 command
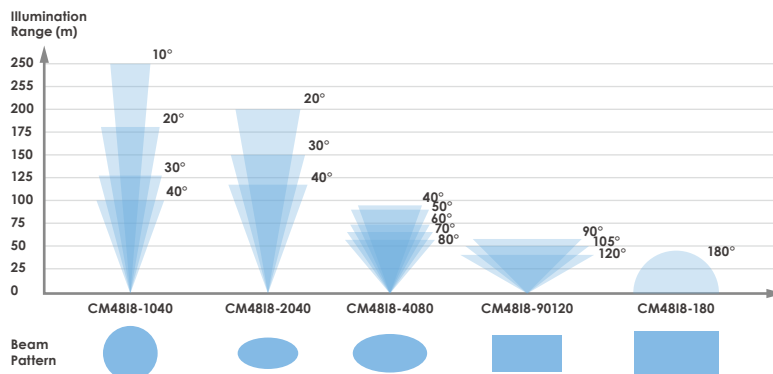- Extreme weather support
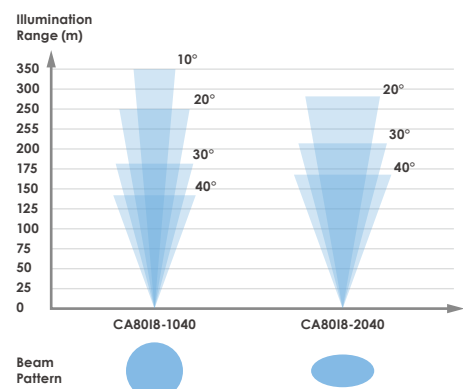
**• High Intensity and Uniform IR Illumination**

Greater image quality

Energy efficiency

IP68, IK10

Flexible installation

CVA Tech (Continuous Variable Angle Technology)

| Support Model |
| --- |
| Cameras |
| IP816A-LPC-v2 Kit |

**• Illumination Map - CM48 Series**

Illumination Range (m)

250
255
200
175
150
125
100
75
50
25
0

10°
20°
20°
30°
30°
40°
40°
40°
50°
60°
70°
80°
90°
105°
120°
180°

CM48I8-1040    CM48I8-2040    CM48I8-4080    CM48I8-90120    CM48I8-180

Beam Pattern

**• Illumination Map - CA80 Series**

Illumination Range (m)

350
300
250
255
200
175
150
125
100
75
50
25
0

10°
20°
20°
30°
30°
40°
40°

CA80I8-1040    CA80I8-2040

Beam Pattern

5

## Recommend Products

| | Unmanaged PoE Switch | |
| --- | --- | --- |
| | **Model Name** | **Product Description** |
|  | AW-FET-060C-065 | 4x FE PoE+ & 2x FE UTP PoE Switch |
|  | AW-FET-100C-120 | 8x FE PoE+ & 2x FE UTP PoE Switch |
|  | AW-FGT-100C-120 | 8xFE PoE+ & 1x GE UTP & 1xGE SFP PoE Switch |
|  | AW-FGT-180C-250 | 16x FE PoE+ & 2x GE Combo port PoE Switch |
|  | AW-FGT-260C-380 | 24x FE PoE+ & 2x GE Combo port PoE Switch |
| | **VivoCam L2+ PoE Switch** | |
|  | AW-GEV-107A-130 | 8x GE PoE+ & 2x GE Combo & 1xRJ45 Console PoE Switch |
|  | AW-GEV-267A-370 | 24x GE PoE+ & 2x GE Combo & 1xRJ45 Console PoE Switch |
| | **PoE Extender** | |
|  | AP-FXC-0110 | Indoor 1x FE PoE Extender, Power Input up to 95W |
|  | AP-FXC-0210 | Indoor 2x FE PoE Extender, Power Input up to 95W |
|  | AP-FXC-0160 | Outdoor 1x FE PoE Extender, Power Input up to 95W |
|  | AP-FXC-0260 | Outdoor 2x FE PoE Extender, Power Input up to 95W |
| | **Outdoor Unmanaged PoE Switch** | |
|  | AW-FET-053C-120 | 4x FE PoE+ & 1x FE UTP PoE Switch |
|  | AW-FGT-103C-250 | 8x FE PoE+ & 2x GE Combo PoE Switch |
| | **Outdoor VivoCam L2+ PoE Switch** | |
|  | AW-GET-086A-120 | Outdoor Industrial 4x GE PoE & 2x GE UTP & 2x GE SFP L2+ Managed Switch, 120W, -40°C ~ 65°C |
| | AW-GEU-086A-240 | Outdoor Industrial 4x GE UPoE & 2x GE UTP & 2x GE SFP L2+ Managed Switch, 240W, -40°C ~ 65°C |
| | AW-GET-126A-240 | Outdoor Industrial 8x GE PoE & 4xGE SFP L2+ Managed Switch, 240W, -40°C ~ 65°C |

## Recommend Products

| Power Box | | |
|---|---|---|
| | **Model Name** | **Product Description** |
| | AA-351 | IP67, IK10, 110/230VAC input, 24V output Power Box |
| | AA-352 | IP67, IK10, 110/230VAC input, 24V output Power Box with wall bracket mountable |
| **Enclosure - Supreme Series** | | |
| | AE-23A | Aluminum camera housing with optional IR LED, 24VAC input, IP68, IK10, Wall mount bracket and sun shield included |
| | AE-23B* | Aluminum camera housing with optional IR LED, 24VAC input, IP66, IK10, wiper |
| | AE-23C* | Aluminum camera housing with optional IR LED, 24VAC input, IP68, IK10, -50˚C ~ 60˚C |
| | AE-23D* | Aluminum camera housing with optional IR LED, 24VAC input, IP66, IK10, wiper, -50˚C ~ 60˚C |
| | AE-23E | Aluminum camera housing with optional IR LED, PoE input, IP68, IK10, Wall mount bracket and sun shield included |
| | AE-23F* | Aluminum camera housing with optional IR LED, PoE input, IP66, IK10, wiper |
| | AI-106 | 6 W IR LED with VAIR, 850nm, beam angle from 10° ~ 40°, up to 100m |
| | AI-108 | 24 W IR LED with VAIR, 850nm, beam angle from 10° ~ 30°, up to 160m |
| | AI-109 | 48 W IR LED with VAIR, 850nm, beam angle from 10° ~ 30°, up to 250m |
| **CaMate Illuminators** | | |
| | CM48 Series | 48W CaMate with VAIR, 850nm, beam angle from 10° ~ 180°, up to 250m |
| | CA80 Series | 80W CaMate with VAIR, 850nm, beam angle from 10° ~ 40° remoted by control & RS485, up to 350m |

* Available by project request.

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